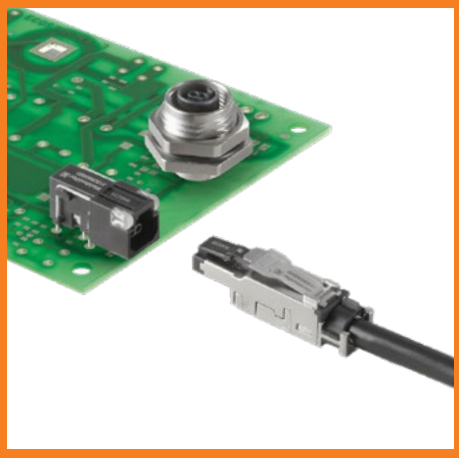
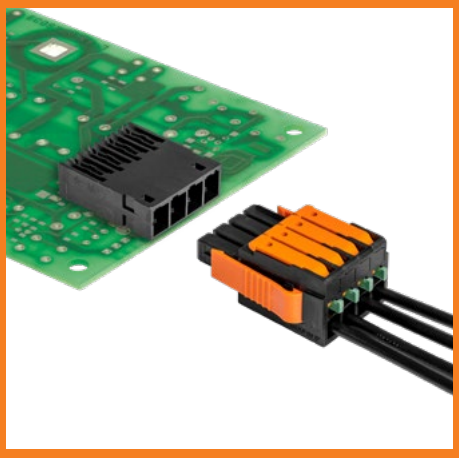
Version 2026



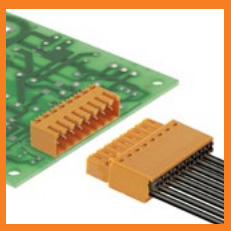


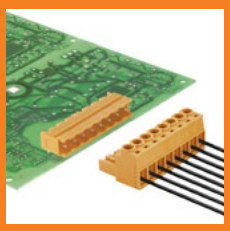
OMNIMATE®
PCB terminals and connectors

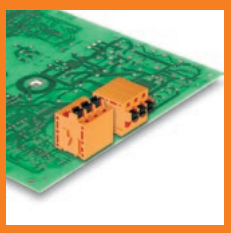


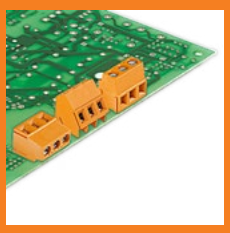


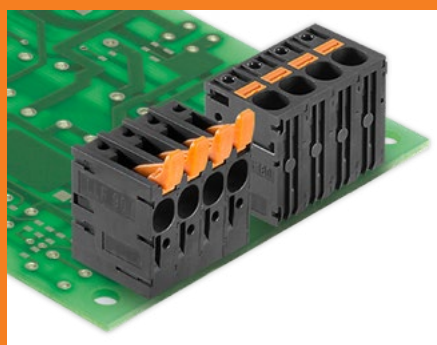












Weidmüller

PCB terminals and connectors OMNIMATE®

Catalogue 2

PCB terminals and connectors OMNIMATE®	Services & products in use	
	OMNIMATE® 4.0	OMNIMATE® 4.0
	OMINMATE® Data	OMNIMATE® Data – SPE
		OMNIMATE® Data – RJ45
		OMNIMATE® Data – USB
		OMNIMATE® Data – Ethernet-APL
	OMINMATE® Signal	PCB terminals
		PCB connectors in 2.50 mm pitch
		PCB connectors in 3.50 mm pitch
		PCB connectors in 3.81 mm pitch
		PCB connectors in 5.00 mm and 5.08 mm pitch
		PCB connectors Series RSV
		Accessories

PCB terminals and connectors OMNIMATE®

Catalogue 2

PCB terminals and connectors OMNIMATE®	**OMINMATE® Power**	PCB terminals
		PCB connectors
		BUS connection system
		Through-Panel Terminals
		Accessories
	OMINMATE® Housings	Electronic housings
Annex	**Service and Support**	
	Technical appendix	
	Index	Search according to type or order number

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Water & Wastewater Treatment
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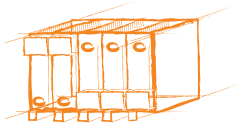
Rely on the quality and leading edge of the pioneer in connectivity

With each new generation, device designs are becoming smaller, more economical and offer greater performance Accordingly, the connection system for more compact sizes must, for example, transfer high currents to the printed circuit board reliably and with minimum losses and also ensure a mechanically stable connection. At the same time, handling should be made safer and more convenient.

Do not leave the success of your device developments to chance. Trust the original OMNIMATE® PCB connection technology. As the inventor of the PCB terminal block and technological leader in device connectivity, Weidmüller offers high-quality components and unique design-in services that promise real added value for your device design.

1962

Pioneering accomplishment
Weidmüller launches the world's first PCB terminal on the market.



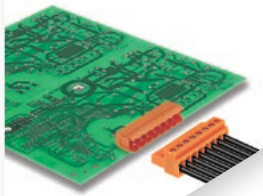
1978

Progressive
For the first time, PUSH IN connection technology is used in a PCB terminal.

PUSH IN

1980

Groundbreaking
The first connector for PCB connection defines a mating face standard to this day.



1999

Efficient
The first pin header for processing in the SMT reflow soldering process is launched.



2003

Innovative
Weidmüller launches the BL-I/O, the first smart connector.



ConnectorGuide
for device developers

Are you looking for the right product?

With our innovative approaches, tailor-made solutions offering high performance and efficiency levels, and our comprehensive range of PCB terminals and PCB connectors, we can fulfil all of your requirements. Use our ConnectorGuide for device developers to select products according to pictures or your individual application.

We'll provide you with the specific products you need to increase your efficiency and hold your own against your competitors in the market. Whether you are a device developer, product manager or buyer, at Weidmüller you'll find the PCB connectors and terminals that meet your specific requirements.

2023

Individuell
Der Konfigurator erzeugt hybride Steckverbinder aus Power-, Signal & Datenanschluss in wenigen Klicks



2019

Digital
The digital twin of all components as the key to Industry 4.0.



2021

Fast. Flexible.Digital.
OMNIMATE® 4.0 impresses with super-fast SNAP IN technology, modular product design and the fastest possible delivery.



2026

Next Generation
Miniaturisierter Single Pair Ethernet Steckverbinder entsprechend IEC 63171-7 Edition 2.



2013

Unique
ConnectorGuide, 72h sample service and configurators are just some of the many planning and support tools.



Your ideas need the right connections
Ours are simply brilliant



OMNIMATE® 4.0
SNAP IN connection solutions

SNAP IN
Invented by Weidmüller.

- Unique SNAP IN connection for particularly fast, safe and tool-free wiring
- Maximum flexibility with digital configuration for transmitting power, signals and data in one connector
- Future-proof platform connector with integrated functions, such as Single Pair Ethernet
- All products are ready for shipment within a few days – including individually configured products“



OMNIMATE® Data
Single Pair Ethernet Connectors

- Devices can become significantly smaller - Most compact design for implementing IIoT devices (saving of > 33 %)
- Vibration-proof and insensitive to electromagnetic influences - Particularly robust, industry-compatible construction
- The colour-coded two-wire connection technology saves installation time and avoids connection errors - Userfriendly structure for safe and quick installation
- Suitable for IIoT, corresponds to the latest IEEE / IEC standards for data rates from 10Mbit/s to 1Gbit/s. - High future security through compliance with international standards
- Safe locking - Even in the smallest installation space, a robust locking mechanism up to 50N is ensured (acoustic feedback during the mating process)
- Reliable process – Troublefree assembly due to sharpened pin geometry, guide posts and Tape on Reel packaging



OMNIMATE® Data
RJ45 modular and transformer jacks

- Future-proof transmission characteristics up to Cat 6 standard for a data rate of up to 10 Gbit/s
- Electromagnetic compatibility and protection through 360° shielding
- RJ45 transformer jacks with integrated "magnetics" actively counteract faults and save space on the board
- Reinforced gold layer improves corrosion protection, reduces contact problems and guarantees a long service life



OMNIMATE® Data
USB PCB jacks

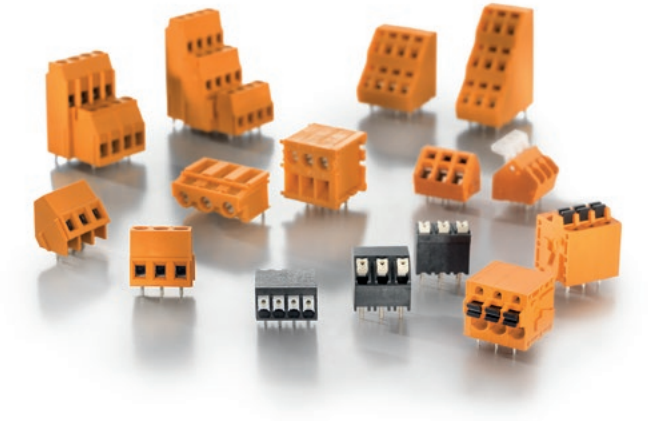
- Robust plug & play operation - connect and disconnect without shutting down or restarting the system
- Reinforced gold surface - up to 10,000 plugging cycles meet the requirements for high resistance
- USB 3.1 sockets support data rates of 10 Gbits/s for fast data transfer
- Available with an outlet angle 180° (standing) or 90° (lying) for ideal adaptation to various housing formats
- USB-C sockets enable error-free plugging due to a symmetrical design
- Suitable for SMT, THR or THT soldering processes



OMNIMATE® Data
Ethernet-APL components

- Compliant with Ethernet-APL
- Space- and weight-saving design
- Cost-effective alternative to RJ45 and M12 connections Available with PUSH IN, SNAP IN, tension clamp or spring clamp connection
- Suitable for THT and THR soldering processes
- 10 Mbit/s communication for long distances (1,000 m) according to IEEE 802.3cg-2019
- PoDL remote power supply according to IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry.

Your ideas need the right connections
Ours are simply brilliant



OMNIMATE® Signal
PCB terminals

PUSH IN

- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections in all relevant cross-section ranges up to 6 mm²
- Can be used universally in all standard pitches from 3.50 mm to 7.62 mm
- A wide range of reflow-compatible products for automated SMT processes
- Compact, multi-layer designs up to 72-pole



OMNIMATE® Signal
PCB plug-in connectors

PUSH IN

- Compact at 2.50 mm pitch
  36 connections at 3.50 mm pitch, highest level of power reserves at 3.81 mm pitch and largest application area at 5.08 mm pitch
- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections.
- A wide range of reflow-compatible products for automated SMT processes
- Multi-row and multi-layer designs up to 48-pole



OMNIMATE® Power PCB terminals

PUSH IN

600V

- High-power to 150 A / 1000 V (IEC) or 127 A / 600 V (UL)
- Application-oriented scalability with connection cross-sections from 16 mm² to 50 mm²
- Simple UL device approval up to 600 V
- PUSH IN wire connection up to 16 mm²
- Maintenance-free steel clamping yoke for vibration-resistant screw connections

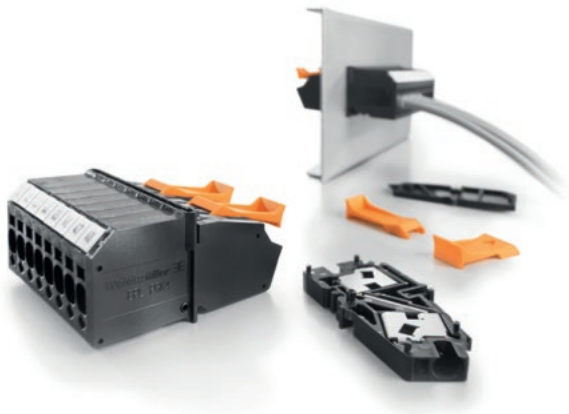


OMNIMATE® Power PCB plug-in connectors

PUSH IN

600V

- Application-oriented scalability: from the compact 4 mm² connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm² connector for 76 A (IEC) or 60 A (UL)
- Unlimited usage up to 1000 V (IEC) or 600 V (UL)
- A variety of application-optimised mounting options



OMNIMATE® Power Panel feedthrough terminal blocks

PUSH IN

- Clamping yoke screw connection
- PUSH IN wire connection
- Wall and housing feedthrough
- Simple, flexible and cost-saving assembly and connection of conductors
- Cable lug
- Solder connection

Your ideas need the right connections
Ours are simply brilliant



OMNIMATE® Housings

PUSH IN

- Scalability to meet requirements: from extruded profile to compact housing to modular housing
- Customisable
- Installation housing IP20
- Female plug with mismating protection
- PUSH IN wire connection
- Clamping yoke screw connection
- Suitable for an automated soldering process with THT & THR Solderable male connectors with high-temperature LCP material and optional tape-on-reel packing

Webcode: the hashtag for easy product searching

#01234

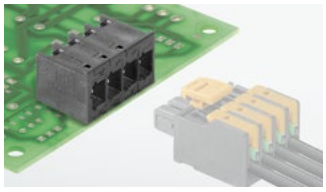
Webcode selection

For an application, you need certain specifications for certain products. Our new webcode allows you to go directly to the relevant products: simply choose the required product from the following pages and enter the hashtag with five-digit code on our website, and you'll be directed to the relevant details.

www.weidmueller.com

OMNIMATE® 4.0– SNAP IN Connection solutions

PCB connectors Pitch 5.00 mm

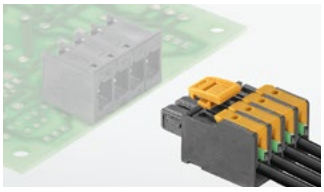


Webcode #11530

MHS 5

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2 –12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



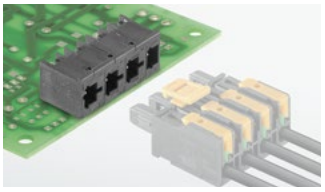
Webcode #11531

MPS 5

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2 –12
- IEC: 400 V / 26.8 A / 0.5–4 mm²
- UL: 300 V / 18.5 A / AWG 20–12/7/9

PCB connectors Pitch 7.50 mm

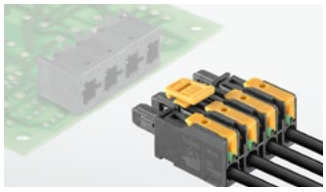


Webcode #11539

MHS 7S

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male connector
- Grid: 7.50 mm
- Number of poles: 2 –12
- IEC: 630 V / 34.6 A
- UL: 300 V / 18.5 A"



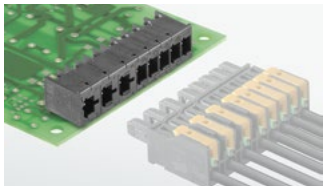
Webcode #11540

MPS 7S

Female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm
- Number of poles: 2 –12
- IEC: 1000 V / 34.6 A / 0.5–4 mm²
- UL: 600 V / 18.5 A / AWG 20–12/7/9

PCB connectors Pitch 7.50 mm + pitch 5.00 mm (Hybrid)

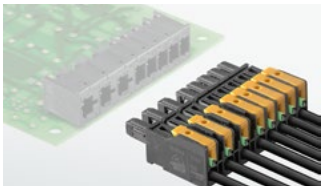


Webcode #11541

MHS 7S/.. 5

Hybrid male connector consisting of power and signal interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2 –12
- IEC: 630 V / 30.4 A
- UL: 300 V / 18.5 A



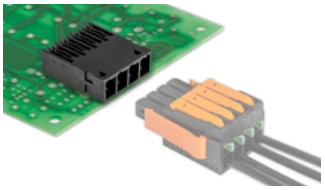
Webcode #11542

MPS 7S/.. 5

Hybrid female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2 –12
- IEC: 1000 V / 34.6 A / 0.5–4 mm²
- UL: 600 V / 18.5 A / AWG 20–12/7/9"

PCB terminals Pitch 6.35 mm

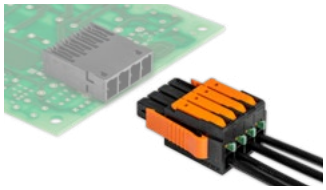


Webcode #11585

MHS 6

Male connector with 90° and 180° outlet direction for wave and reflow processes.

- Male header
- Pitch: 6.35 mm
- Number of poles: 2 –9
- IEC: 1000 V / 47.2 A
- UL: 300 V / 26.5 A



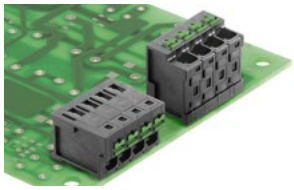
Webcode #11584

MPS 6

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking side flange.

- SNAP IN connection
- Pitch: 6.35 mm
- Number of poles: 2 –9
- IEC: 1000 V / 47.2 A / 0.5–6 mm²
- UL: 300 V / 26.5 A / AWG 20–10

PCB terminals Pitch 5.00 mm



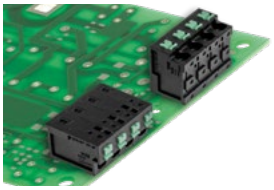
Webcode #11571

MTS 5/..T4 B T

PCB terminal block with SNAP IN connection system for wave and reflow processes.

- SNAP IN connection system
- Grid: 5.00 mm
- Number of poles: 2 –12
- IEC: 400 V / 32 A / 0.5 – 4.0 mm²
- UL: 300 V / 18.5 A

PCB terminals Pitch 7.50 mm



Webcode #11581

MTS 7S/..T4 B T

PCB terminal block with SNAP IN connection system for wave and reflow processes.

- SNAP IN connection system
- Grid: 7.50 mm
- Number of poles: 2 –8
- IEC: 1000 V / 32 A / 0.5 – 4.0 mm²
- UL: 300 V / 20 A

OMNIMATE® Data – Single Pair Ethernet connector

SPE Connector, IP20



Webcode #11573

SPE P20 R1H 2.1 6 N/N TU
Angled (90°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reenforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



Webcode #11574

SPE P20 R1H 2.1 6 YG/YG TU
Angled (90°) Single-Pair PCB male header for IP20 incl. LED

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reenforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR"

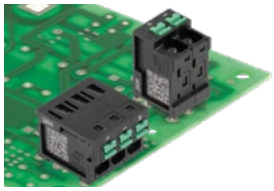


Webcode #11575

IE-PS-SP0-S-FH-2-180
Single Pair female plug

- Field-attachable female plug
- Shielded and reinforced contacts
- Performance class: up to 1 Gbit/s
- Mating cycles: 750
- Bag packaging"

Single Pair Ethernet PCB terminals



Webcode #11576

SPE PCB terminals
Simple and efficient SPE solutions for PCBs

- Reliable data transmission at 10 Mbit/s up to 1,000 m
- Suitable for IIoT devices and simple field device integration
- Cost-effective alternative to standardized SPE connectors
- Available with PUSH IN, SNAP IN or screw connection
- Two- or three-pole versions for shielded and unshielded applications
- PoDL enables up to 50 W according to IEEE 802.3bu

SPE circular connectors, IP67



Webcode #11577

SPE M12F DC FPM16 RV
Dome, straight (180°)

- Reflow soldering (THR)
- Suitable for front and rear panel mounting
- Performance class: up to 1 Gbit/s
- Tray packaging



Webcode #11578

SPE M12F DC BPM16 RV
Rear panel mounting, straight (180°)

- M12 circular connector
- Reflow soldering (THR)
- Performance class: up to 1 Gbit/s
- Tray packaging



Webcode #11579

SPE M12F DC FPM16 RV
Front panel mounting, straight (180°)

- M12 circular connector
- Reflow soldering (THR)
- Performance class: up to 1 Gbit/s
- Tray packaging



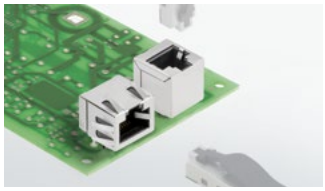
Webcode #11580

IE-PS-MSPE-P-FH

- Field-attachable female plug connector
- Shielded and reinforced contacts
- Performance class: up to 1 Gbit/s
- Mating cycles: 750
- Bag packaging

OMNIMATE® Data – PCB jacks and plug-in connectors

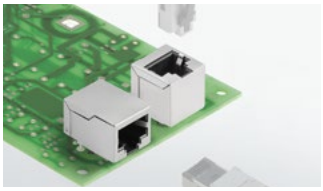
RJ45 modular jack



Webcode #11413

RJ45 solder connection for (THT)
PCB jack for wave soldering process

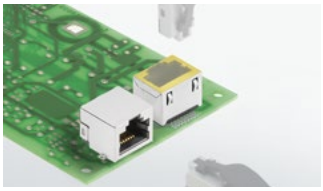
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



Webcode #11414

RJ45 solder connection (THR)
PCB jack for reflow and wave soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs

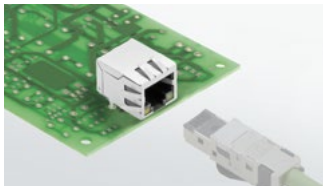


Webcode #11415

RJ45 solder connection for (SMT)
PCB jack for reflow soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 5
- Plugging cycles: 750
- With / without LEDs

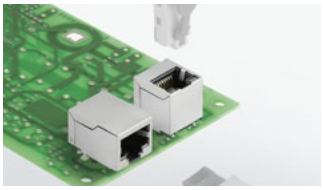
RJ45 transformer jacks



Webcode #11416

RJ45 solder connection for (THT)
PCB jack for wave soldering process

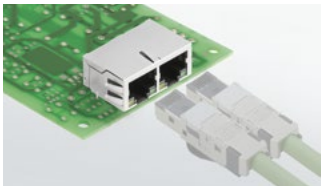
- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750



Webcode #11417

RJ45 solder connection (THR)
PCB jack for reflow and wave soldering process

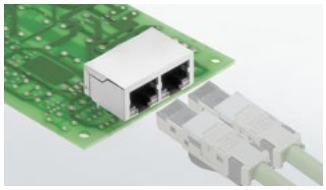
- Integrated magnetics
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



Webcode #11418

RJ45 solder connection (THT) multiport
PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs

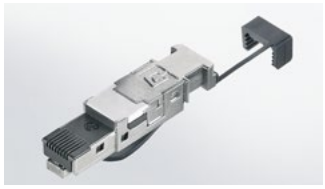


Webcode #11419

RJ45 solder connection (THR) multiport
PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs

Plug-in connectors



Webcode #11312

RJ45 connector „steadytec"
Tool-free and field-attachable plug for Industrial Ethernet

- IDC connection, 4-8-core
- Outlet direction: 180°
- Category: Cat.5 and Cat.6A
- AWG 26...AWG 22 / 0.48...0.76 mm²

Patch cable

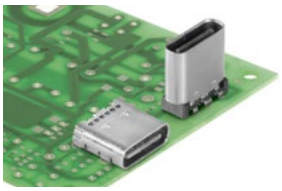


Webcode #11313

RJ45 patch cable
Freely configurable RJ45 cable in a wide range of colours

- Protected latching hook, 8-core
- Outlet direction: 90°, 180° and 270°
- Category: Cat.6A

USB jacks



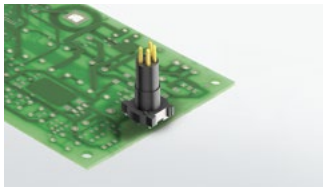
Webcode #11562

USB 3.1 solder connection for (SMT)
PCB jack for reflow process (SMT)

- Outlet direction: 90° and 180°
- Performance Category: up to 10 Gbit/s
- Plugging cycles: ≥10.000
- Packed in ToR

OMNIMATE® Data – M8 and M12 PCB jacks

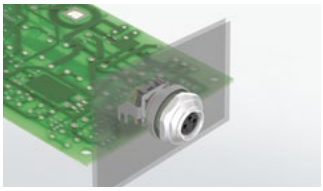
M8



Webcode #11364

M8 Dome (individual part)
PCB circular connector for automatic assembly and M8 threads.

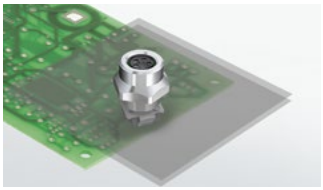
- Number of poles: 3, 4, 8
- Female and male contact
- SMT, THR
- Shielded and unshielded



Webcode #11366

M8 Front mounting
PCB circular connector with M8 thread for front mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 180°
- Shielded and unshielded

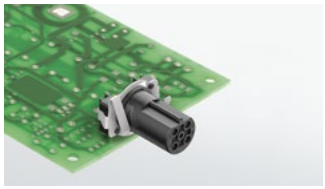


Webcode #11368

M8 Rear panel mounting
PCB circular connector with M8 thread for rear panel mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded

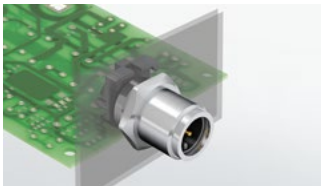
M12



Webcode #11352

M12 Dome (individual part)
PCB circular connector for automatic assembly and M12 threads.

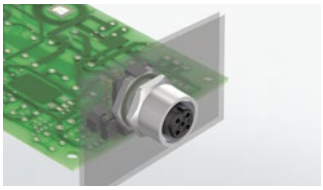
- Number of poles: 4, 5, 8
- Female and male contact
- SMT
- Shielded and unshielded
- Coding: A, B, D



Webcode #11354

M12 Front mounting
PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X



Webcode #11356

M12 Front mounting
PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X

SAI plugs and cables



Webcode #11529

SAI round plug-in connectors and cables
High IP rated connectivity range of M5, M8, M12, M16 and M23

- Different codings like A, B and D
- Up to protection degree IP 69K
- For mechanically and chemically stressed applications

OMNIMATE® Data – Ethernet components

Ethernet-APL PCB terminals

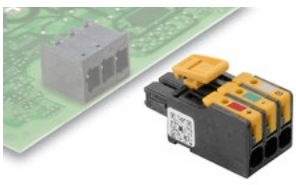


Webcode #11572

LMF APL 5.00
PCB terminal for Ethernet APL-compliant data transmission

- PUSH IN spring connection
- Outlet direction: 90° and 180°
- Number of poles: 3
- Pitch 5.00 mm
- Ethernet-APL compliant

Ethernet-APL connectors

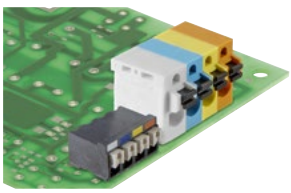


Webcode #11583

MPS APL 5
PCB plug-in connector for Ethernet APL-compliant data transmission

- SNAP IN connection
- Outlet direction: 180°
- Number of poles: 3
- Pitch 5.00 mm
- Ethernet-APL compliant

Ethernet PCB terminals



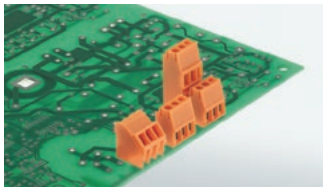
Webcode #11527

LSF-SMT and LMF
PCB terminal for Ethernet-compliant data transmssion e.g. for PROFINET (up to 100Mbps)

- PUSH IN spring connection
- Pitch: 3.50, 3.81 and 5.08 mm
- Number of poles: 4
- For all IIoT devices

OMNIMATE® Signal – PCB terminals

Clamping yoke screw connection

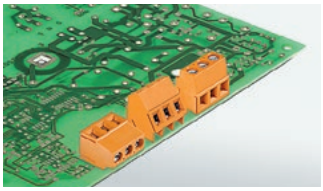


Webcode #01010

LM 3.50 / LM1N / LM2N

Small, compact PCB terminal with conductor outlet direction of 90° or 135°.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2–12
- IEC: 320 V / 16 A / 0.2–1.5 mm²
- UL: 300 V / 10 A / AWG 28–14

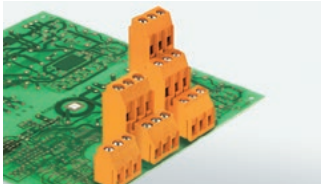


Webcode #01012

LM 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90°, 135° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–24
- IEC: 630 V / 17.5 A / 0.2–2.5 mm²
- UL: 300 V / 15 A / AWG 24–14

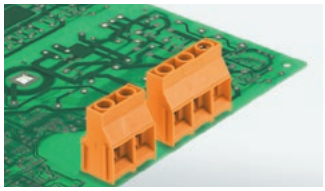


Webcode #01016

LL 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–24
- IEC: 500 V / 32.5 A / 0.5–6 mm²
- UL: 300 V / 20 A / AWG 28–12



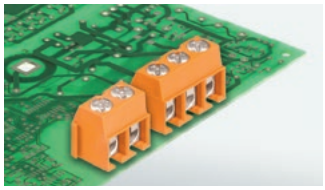
Webcode #01018

LL 9.52

Single-row PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 9.52 mm
- Number of poles: 2–3
- IEC: 1,000 V / 32 A / 0.18–6 mm²
- UL: 300 V / 30 A / AWG 26–10

Leaf - spring screw connection



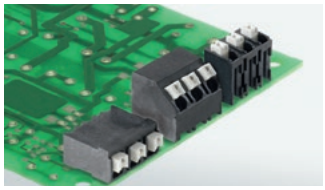
Webcode #01022

PM 5.00/5.08

PCB terminal with conductor inlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–12
- IEC: 600 V / 24 A / 0.13–2.5 mm²
- UL: 300 V / 15 A / AWG 26–14

PUSH IN - spring connection

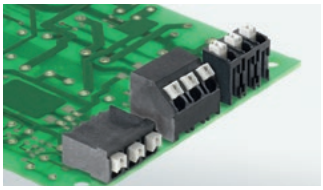


Webcode #01028

LSF-SMT 3.5 / 3.81

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 3.50 mm / 3.81 mm
- Number of poles: 2–24
- IEC: 320 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16

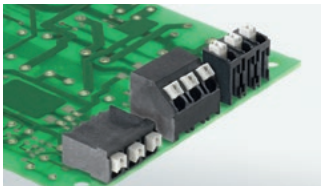


Webcode #01030

LSF-SMT 5.00 / 5.08

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–8
- IEC: 500 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16

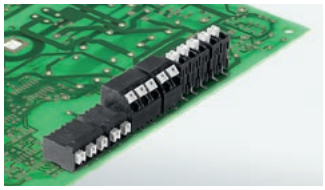


Webcode #01032

LSF-SMT 7.50 / 7.62

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 7.50 mm / 7.62 mm
- Number of poles: 2–8
- IEC: 800 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16



Webcode #01034

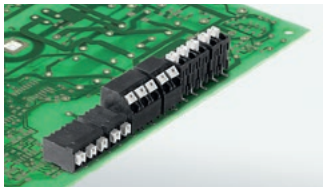
LSF-SMD 3.5

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2–12
- IEC: 320 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16

OMNIMATE® Signal – PCB terminals

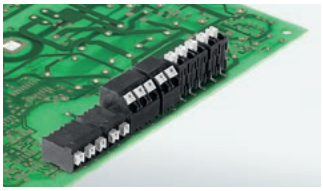
PUSH IN - spring connection



Webcode #01036

LSF-SMD 5.00
PCB terminal for fully automatic assembly for reflow soldering (SMT).

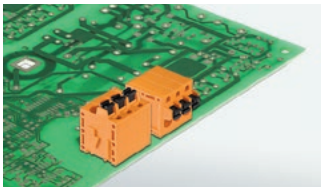
- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2–8
- IEC: 500 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16



Webcode #01038

LSF-SMD 7.50
PCB terminal for fully automatic assembly for reflow soldering (SMT).

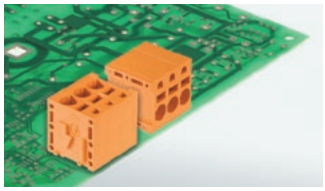
- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2–6
- IEC: 800 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24–16



Webcode #01040

LMF 5.00/5.08
PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 10 A / AWG 26–12

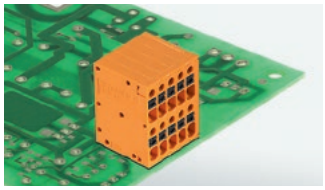


Webcode #01042

LMFS 5.00/5.08
PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 10 A / AWG 26–12

PUSH IN - spring connection



Webcode #01026

LS2HF 3.50
Double-storey PCB terminal for wave soldering processes, with conductor insertion and slider operation from the same direction (TOP).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4–24
- IEC: 400 V / 10 A / 0.14–1.5 mm²
- UL: 150 V / 12.5 A / AWG 26–16



Webcode #11514

LMF 7.50
PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2–24
- IEC: 1000 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 20 A / AWG 26–12



Webcode #11515

LMFS 7.50
PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2–24
- IEC: 1000 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 20 A / AWG 26–12

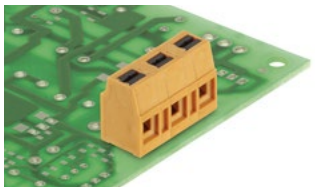


Webcode #11547

LMFV 5.00/90
PCB terminal with pusher, identical to the tried-and-tested LM 5.00 with clamping yoke connection

- PUSH IN spring connection
- Grid 5.00
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
- UL: 300 V / 15 A / AWG 24 - AWG 14

PUSH IN - spring connection

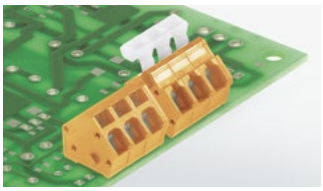


Webcode #11548

LMFV 7.50/90
PCB terminal with pusher

- PUSH IN spring connection
- Grid 7.50
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
- UL: 300 V / 15 A / AWG 24 - AWG 14

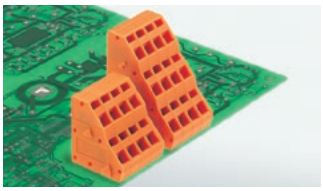
Tension clamp connection



Webcode #11448

LMZF
Single-row PCB terminal with maintenance-free tension clamp connection and with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5, 7 & 10 mm
- Number of poles: 2–24
- IEC: 630 V/24 A / 0.13 – 2.5 mm²
- UL: 300 V/15 A / AWG 26-AWG 14



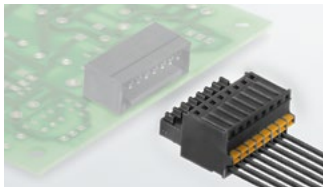
Webcode #11447

LM2NZF & LM3RZF
Multi-level PCB terminal with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 630 V/24 A / 0.13 – 2.5 mm²
- UL: 300 V/15 A / AWG 26-AWG 14

OMNIMATE® Signal – PCB connectors

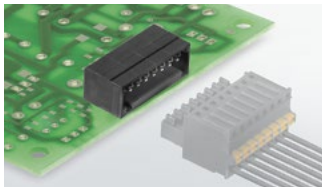
Pitch 2.50 mm



Webcode #11323

BLF 2.50
Female plug for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 2.50 mm
- Number of poles: 2–12
- IEC: 320 V / 6 A / 0.08 – 0.5 mm²
- UL: 150 V / 5 A / AWG 28 - 20

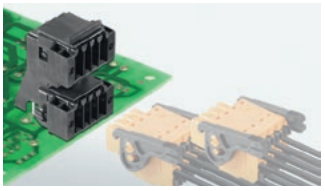


Webcode #11324

SL 2.50
Male header for wave soldering methods for 2.50 mm pitch.

- Male header
- Pitch: 2.50 mm
- Number of poles: 2–12
- IEC: 320 V / 6 A
- UL: 320 V / 6 A

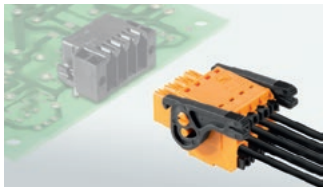
Pitch 3.50 mm double - row design



Webcode #01060

S2C 3.50
High-temperature-resistant, double-row male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 4–36
- IEC: 200 V / 13.4 A
- UL: 150 V / 10 A

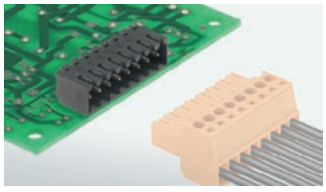


Webcode #01058

B2CF 3.50
Compact double-row female plug with maximum connection density within an extremely small space.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4–46
- IEC: 320 V / 13.4 A / 0.14–1.5 mm²
- UL: 300 V / 9.5 A / AWG 26–16

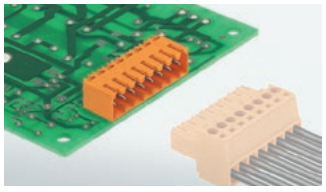
Pitch 3.50 mm



Webcode #01068

SL-SMT 3.50
High-temperature-resistant male header for reflow and wave soldering methods.

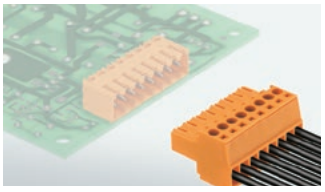
- Male header
- Pitch: 3.50 mm
- Number of poles: 2–24
- IEC: 320 V / 15 A
- UL: 300 V / 10 A



Webcode #01072

SL 3.50
Male header for wave soldering methods.

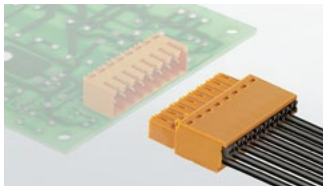
- Male header
- Pitch: 3.50 mm
- Number of poles: 2–24
- IEC: 320 V / 17 A
- UL: 300 V / 10 A



Webcode #01066

BL 3.50
Female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2–24
- IEC: 320 V / 17 A / 0.2–1.5 mm²
- UL: 300 V / 10 A / AWG 28–14

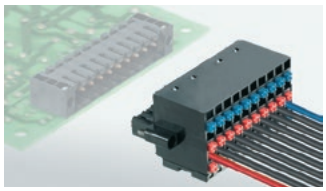


Webcode #11410

BLF 3.5
Female plug with PUSH IN spring connection

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2–24
- IEC: 320 V / 14.5 A / 0.2 – 1.5 mm²
- UL: 300 V / 9.5 A / AWG 28–16

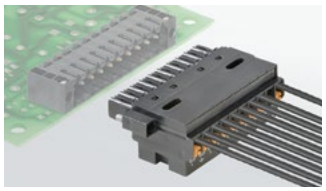
Pitch 3.50 mm



Webcode #01064

BL-I/O 3.5
Extremely compact female plug in one or three-row design and with an integrated LED display.

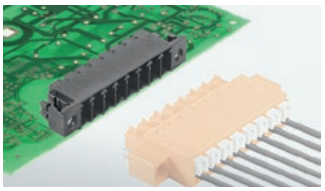
- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10 & 30
- IEC: 200 V / 2.2 A / 0.2–1 mm²
- UL: 50 V / 5 A / AWG 24–16



Webcode #11445

BL I/O CJC
Compact female plug with integrated cold junction compensation.

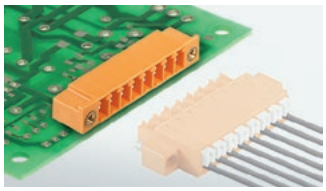
- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10
- IEC: 50 -V / 2.2 A / 0.2 – 1.5 mm²
- UL: 50 V / 5 A / AWG 24 – 16



Webcode #01076

SC-SMT 3.81
High-temperature-resistant male header with a very low profile for reflow and wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2–16
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A



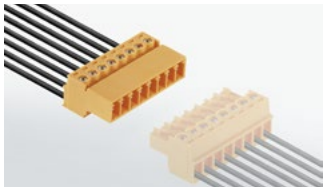
Webcode #01080

SC 3.81
Male header with a very low profile for wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2–20
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

OMNIMATE® Signal – PCB connectors

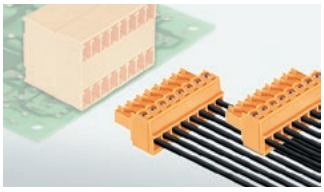
Pitch 3.81 mm



Webcode #11316

SCZ 3.81
Compact male plug for conductor connection with clamping yoke screw connection.

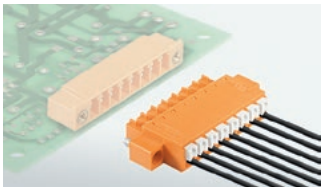
- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2–12
- IEC: 320 V / 17.5 A / 0.14–1.5 mm²
- UL: 300 V / 10 A / AWG 28–16



Webcode #01074

BCZ 3.81
Compact female plug for conductor connection with clamping yoke screw connection.

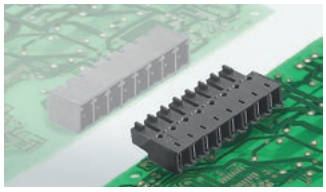
- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2–20
- IEC: 320 V / 17.5 A / 0.14–1.5 mm²
- UL: 300 V / 10 A / AWG 28–16



Webcode #01078

BCF 3.81
Female plug with very low profile for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 3.81 mm
- Number of poles: 2–18
- IEC: 320 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 10 A / AWG 28–16

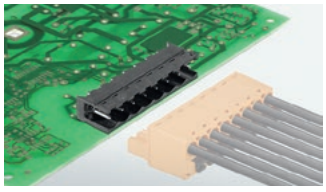


Webcode #01082

BCL-SMT 3.81
High-temperature-resistant female header with a very low profile for reflow soldering methods.

- Female header
- Pitch: 3.81 mm
- Number of poles: 2–12
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

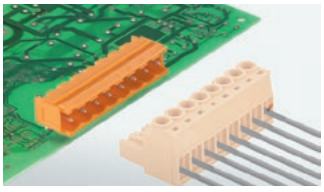
Pitch 5.00 mm



Webcode #11444

SL-SMT 5.00HC
High-temperature-resistant, bent pin header, optimized for automatic assembly and reflow and wave soldering.

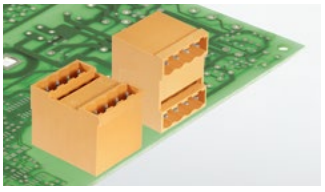
- Male header
- Pitch: 5.00 mm
- Number of poles: 2–24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A



Webcode #01095

SL 5.00
Pin headers with solder pin length optimized for wave flow soldering.

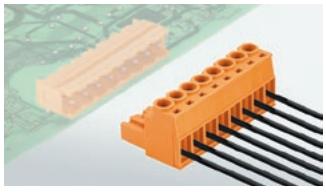
- Male header
- Pitch: 5.00 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode #11461

SLD 5.00
2-tier male header with parallel pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header
- Pitch:5.00 mm
- Number of poles: 4–48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

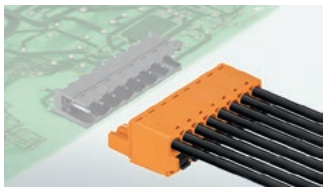


Webcode #01165

BLZP 5.00HC
High-current-female-plug for outlet direction of 90°, 180° or 270°.

- Clamping yoke screw connection
- Pitch: 5.00 mm
- Number of poles: 2–24
- IEC: 400 V / 23 A / 0.2–4 mm²
- UL: 300 V / 20 A / AWG 30–12

Pitch 5.00 mm



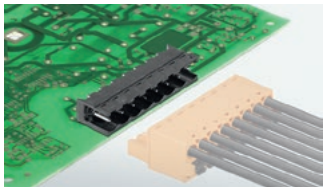
Webcode #11442

BLF 5.00HC
Compact high-current-female-plug for outlet direction of 90°, 180° or 270°.

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 18.5 A / AWG 26–12

OMNIMATE® Signal – PCB connectors

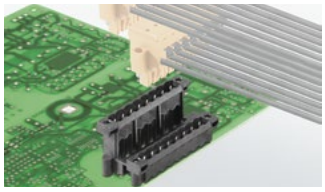
Pitch 5.08 mm



Webcode #01090

SL-SMT 5.08HC
Highly temperature-resistant angled male header optimised for automatic assembly and for reflow and wave soldering methods.

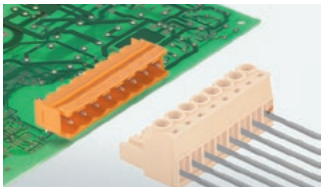
- Male header
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A



Webcode #11441

SLDV-THR 5.08
High-temperature resistant, double level, laterally offset, male connector with flange or solder flange.

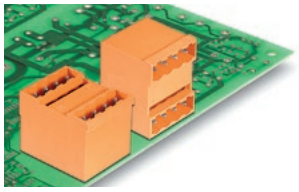
- Male header
- Pitch: 5.08 mm
- Number of poles: 4–48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A



Webcode #01094

SL 5.08HC
Male headers in glass-fibre-reinforced plastic, optimised for wave soldering methods.

- Male header
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A

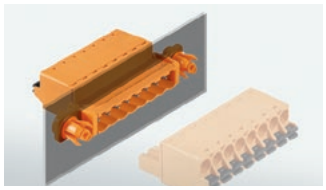


Webcode #11440

SLD 5.08
2-tier male header with parallel or laterally offset pin arrangement with with outlet direction of 90° & 180°, optimized for wave solvering methods.

- Male header, parallel or laterally offset
- Pitch: 5.08 mm
- Number of poles: 4–48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

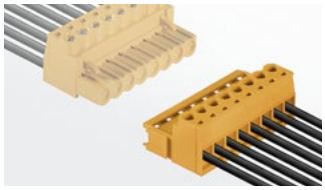
Pitch 5.08 mm



Webcode #01098

SLF 5.08
Male plugs with straight outlet direction provide space for labelling and can be coded.

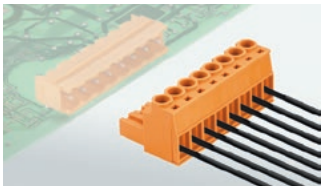
- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2–12
- IEC: 400 V / 25.9 A / 0.2–2.5 mm²
- UL: 300 V / 14 A / AWG 26–12



Webcode #01087

SLS 5.08
Male plug with clamping-yoke screw wire-connect system.Clamping yoke screw connection

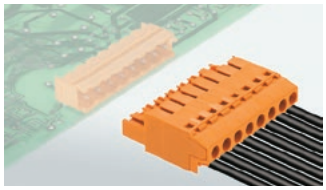
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V/21.5 A / 0.2–2.5 mm²
- UL: 300 V/14 A / AWG 26-AWG 12



Webcode #01084

BLZP 5.08HC
High-current female plug for conductor connection with 90°, 180° to 225° and 270° outlet direction.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 23 A / 0.2–4 mm²
- UL: 300 V / 20 A / AWG 30–12

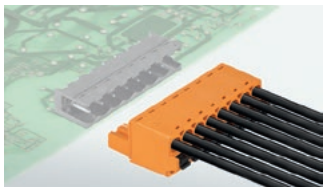


Webcode #01092

BLT 5.08HC
High-current female plug for conductor connection with a straight 180° outlet direction and space for labelling.

- TOP screw connection
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 27 A / 0.2–2.5 mm²
- UL: 300 V / 17 A / AWG 26–14

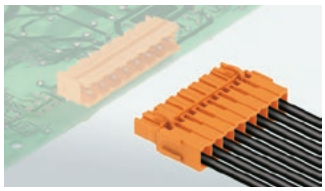
Pitch 5.08 mm



Webcode #01088

BLF 5.08HC
Compact high-current female plug for conductor outlet directions of 90° to 180° and 270°.

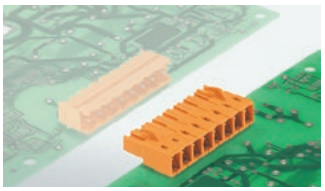
- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 24 A / 0.2–2.5 mm²
- UL: 300 V / 18.5 A / AWG 26–12



Webcode #01096

BLC 5.08
Female plug to allow for the pre-assembly of wiring harnesses in large quantities.

- Crimp connection system
- Pitch: 5.08 mm
- Number of poles: 2–16
- IEC: 400 V / 21 A
- UL: 300 V / 10 A / AWG 26–14



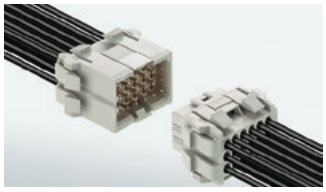
Webcode #01100

BLL 5.08
Female header for PCB assembly with 90° and 180° outlet direction and optimised solder pin length for wave soldering methods.

- Female header
- Pitch: 5.08 mm
- Number of poles: 2–24
- IEC: 400 V / 23 A
- UL: 300 V / 15 A

OMNIMATE® Signal – PCB connectors

Rectangular connector

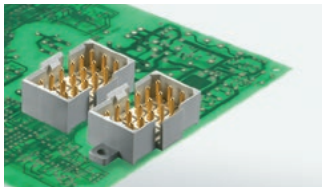


Webcode #11360

RSV 1.6 C

Rectangular connector for a high component density, for use as a free coupling or a PCB variant.

- Crimp connection system
- Pitch: 5.00 mm
- Number of poles: 4–36
- IEC: 630 V / 17 A
- UL: 600 V / 10 A / AWG 26–12



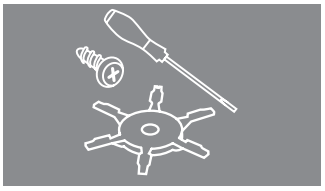
Webcode #01106

RSV 1.6 L

Rectangular connector with solder pin and solder jack contacts for PCB applications.

- Solder pin contacts
- Pitch: 5.00 mm
- Number of poles: 4–36
- IEC: 500 V / 14 A
- UL: 300 V / 10 A

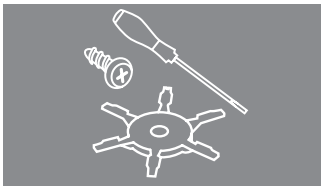
Accessories



Webcode #11439

Accessories

For signal PCB terminals



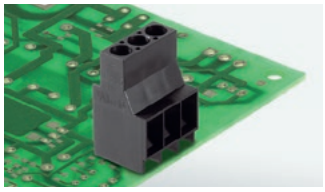
Webcode #11438

Accessories

For signal PCB connectors

OMNIMATE® Power – PCB terminals

Clamping yoke screw connection

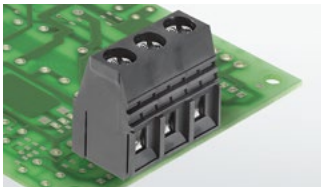


Webcode #01044

LL 6.35

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 6.35 mm
- Number of poles: 2–12
- IEC: 1.000 V / 32 A / 0.18–6 mm²
- UL: 600 V / 30 A / AWG 26–10

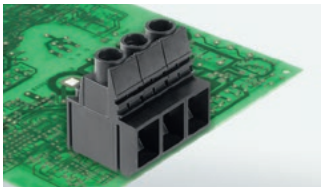


Webcode #01048

LU 10.16

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2–10
- IEC: 1.000 V / 76 A / 0.5–16 mm²
- UL: 300 V / 65 A / AWG 26–6

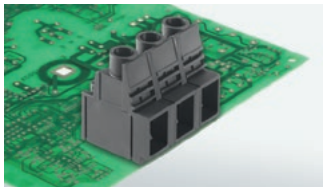


Webcode #01050

LUP 10.16 V with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2–9
- IEC: 1.000 V / 76 A / 0.5–16 mm²
- UL: 600 V / 51 A / AWG 26–6



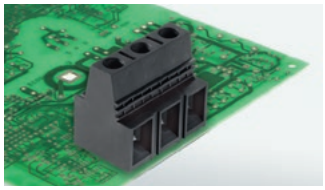
Webcode #01052

LUP 12.70 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 12.70 mm
- Number of poles: 2–9
- IEC: 1.000 V / 76 A / 0.5–16 mm²
- UL: 600 V / 58 A / AWG 26–6

Clamping yoke screw connection

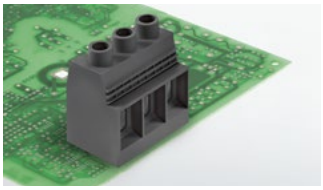


Webcode #01054

LX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1–9
- IEC: 1.000 V / 101 A / 1.5–25 mm²
- UL: 600 V / 85 A / AWG 16–4



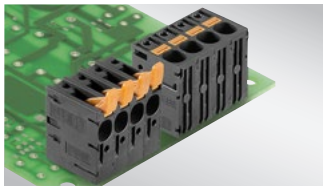
Webcode #01056

LXXX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1–9
- IEC: 1.000 V / 150 A / 0.5–50 mm²
- UL: 600 V / 127 A / AWG 20–1

PUSH IN spring connection

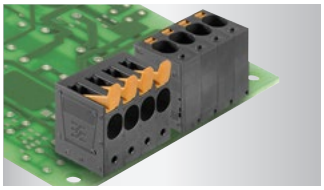


Webcode #11408

LLF / LLFS 7.5

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LLF 7.50)
- Pitch: 7.5 mm
- Number of poles: 1–12
- IEC: 1.000 V / 41 A / 0.5–6 mm²
- UL: 600 V / 35 A /AWG 24–8

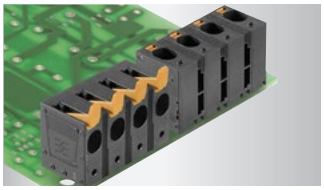


Webcode #01046

LUF / LUFS 10

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF10)
- Pitch: 10.00 mm
- Number of poles: 1–12
- IEC: 1.000 V / 76 A / 0.5–16 mm²
- UL: 600 V / 61 A / AWG 18–6



Webcode #11409

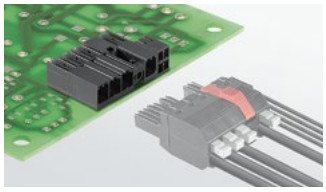
LUF / LUFS 15

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF 15)
- Pitch: 15.00 mm
- Number of poles: 2–8
- IEC: 1.000 V / 76 A / 0.5–16 mm²
- UL: 1.000 V / 57 A / AWG 18–6

OMNIMATE® Power – PCB connectors

OMNIMATE® Power Hybrid

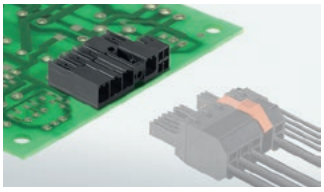


Webcode #11437

SV-SMT 7.62 hybrid

High-temperature-resistant hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4–5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

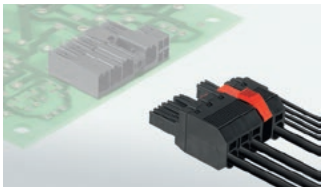


Webcode #01112

SV 7.62 hybrid

Hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4–5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

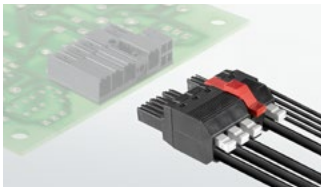


Webcode #11465

BVF 7.62HP hybrid

Hybrid female plug - the perfect 2-in-1 solution for the simultaneous combination of energy and signals. Available with plug-in EMC shield support on request.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 2/4–5/8
- IEC: 1.000 V / 38 A / 0.5–10 mm²
- UL: 600 V / 35 A / AWG 24–8



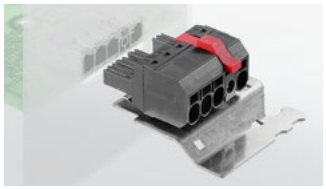
Webcode #11466

BVFL 7.62 hybrid

Hybrid female plug with Wire-Ready PUSH IN the perfect 2-in-1 solution for the simultaneous combination of energy and signals.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Pole count: 2 / 4–5 / 8
- IEC: 1.000 V / 38 A / 0.5–6 mm
- UL: 600 V / 35 A / AWG 24–8

OMNIMATE® Power Hybrid

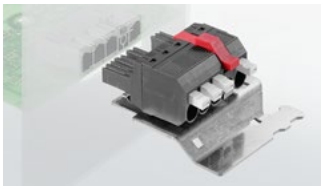


Webcode #11467

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to printed circuit board.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4–4
- IEC: 1.000 V / 38 A / 0.5–10 mm
- UL: 600 V / 35 A / AWG 24–8



Webcode #11468

BVLF 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH IN and pluggable shield connection to printed circuit board.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4–4
- IEC: 1.000 V / 38 A / 0.5–6 mm
- UL: 600 V / 35 A / AWG 24–8

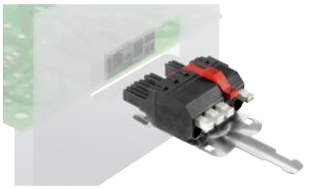


Webcode #11481

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4–4
- IEC: 1.000 V / 38 A / 0.5–10 mm
- UL: 600 V / 35 A / AWG 24–8



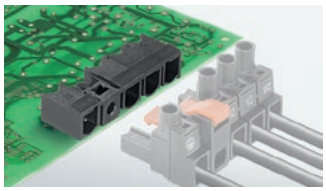
Webcode #11480

BVFL 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH-IN and pluggable shield connection to the device metall housing.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4–4
- IEC: 1.000 V / 38 A / 0.5–6 mm
- UL: 600 V / 35 A / AWG 24–8

OMNIMATE® Power IT

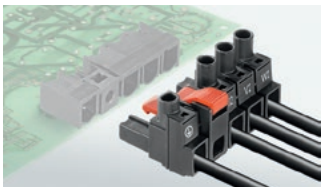


Webcode #01116

SL 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–6
- IEC: 630 V / 29 A
- UL: 300 V / 20 A

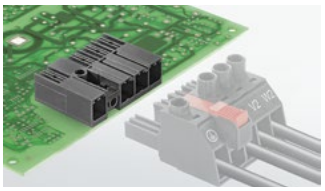


Webcode #01114

BLZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2–6
- IEC: 1,000 V / 41 A / 0.2–6 mm²
- UL: 600 V / 40.5 A / AWG 24–8

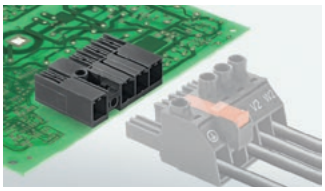


Webcode #11469

SV-SMT 7.62IT

High temperature-resistant male haeder with leading contact for IT-networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–5
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A



Webcode #01120

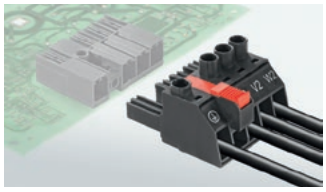
SV 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–4
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A

OMNIMATE® Power – PCB connectors

OMNIMATE® Power IT

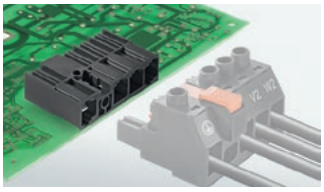


Webcode #01118

BVZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2–4
- IEC: 1,000 V / 41 A / 0.2–6 mm²
- UL: 600 V / 40.5 A / AWG 24–8

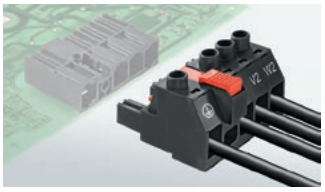


Webcode #01124

SU 10.16IT

Male header with optional solder flange attachment and with leading contact for computer networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2–4
- IEC: 1,000 V / 76 A
- UL: 300 V / 60 A



Webcode #01122

BUZ 10.16IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2–4
- IEC: 1,000 V / 78 A / 0.2–16 mm²
- UL: 300 V / 60 A / AWG 22–4



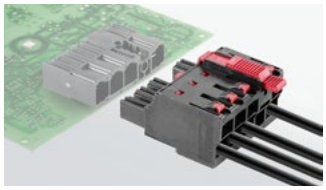
Webcode #11479

BUZ 10.16IT SH

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 3–4
- IEC: 1,000 V / 76 A / 2.5–16 mm²
- UL: 600 V / 55 A / AWG 22–4

OMNIMATE® Power IT



Webcode #11407

BUF 10.16IT

Female plug with 180° outlet direction for IT networks with self-locking centre flange.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 2–5
- IEC: 1,000 V / 76 A / 2,5 – 16 mm²
- UL: 600 V / 55 A / AWG 12 – AWG 4



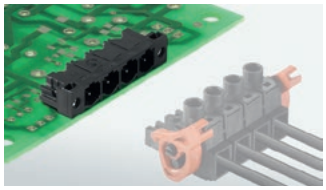
Webcode #11471

BUF 10.16IT SH

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 3–4
- IEC: 1,000 V / 76 A / 2.5–16 mm²
- UL: 600 V / 55 A / AWG 12–4

OMNIMATE® Power HP pitch 4 mm²

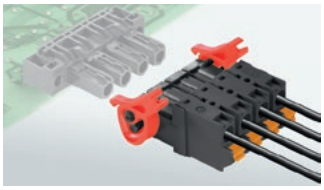


Webcode #01130

SL 7.62HP

Male header with single compartment mating profile and touch protection.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–12
- IEC: 630 V / 29 A
- UL: 300 V / 20 A



Webcode #01134

SLF 7.62HP

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–5
- IEC: 1,000 V / 24 A / 0.5–2.5 mm²
- UL: 600 V / 20 A / AWG 20–12

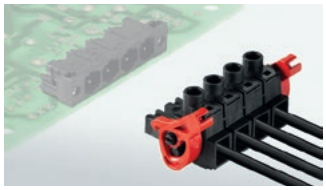


Webcode #11472

SLF 7.62HP SH

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks, with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 4
- IEC: 1,000 V / 24 A / 0.5–2,5 mm²
- UL: 600 V / 20 A / AWG 20–12



Webcode #01126

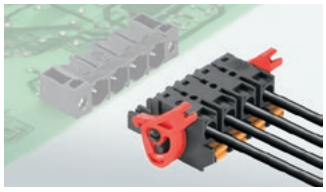
BLZ 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2–12
- IEC: 630 V / 29 A / 0.2–4 mm²
- UL: 600 V / 20 A / AWG 20–12

OMNIMATE® Power – PCB connectors

OMNIMATE® Power HP pitch 4 mm²

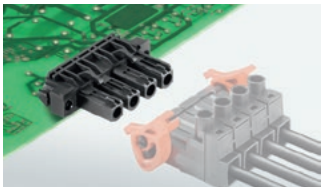


Webcode #01128

BLF 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–12
- IEC: 1,000 V / 24 A / 0.5–2.5 mm²
- UL: 600 V / 20 A / AWG 20–12



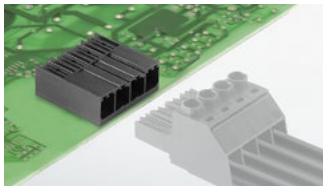
Webcode #01136

BLL 7.62HP

Touch-safe female header with single compartment mating profile for the PCB with one-hand safety interlock.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2–5
- IEC: 630 V / 24 A
- UL: 300 V / 20 A

OMNIMATE® Power HP pitch 10 mm²

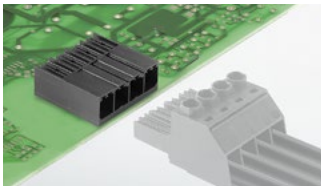


Webcode #11473

SV-SMT 7.62HP

High temperature-resistant single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–5
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A

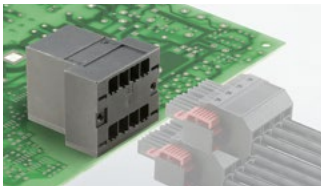


Webcode #01142

SV 7.62HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2–12
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A

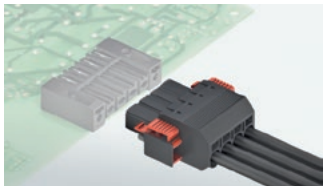


Webcode#11474

SVD 7.62HP

Double-row high-current, high-performance pin headers for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 4–12
- IEC: 1,000 V / 47 A
- UL: 300 V / 30 A



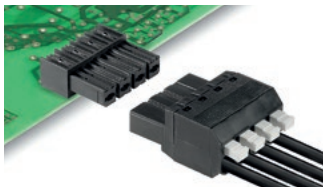
Webcode #11475

SVF 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–6
- IEC: 1,000 V / 41 A / 0.5–10 mm²
- UL: 600 V / 35 A / AWG 24–10

OMNIMATE® Power HP pitch 10 mm²

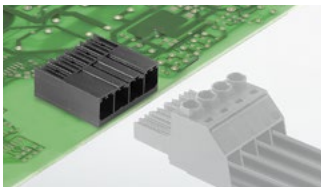


Webcode #11476

SVFL 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–6
- IEC: 1,000 V / 41 A / 0.5–6 mm²
- UL: 600 V / 35 A / AWG 24–10



Webcode #01138

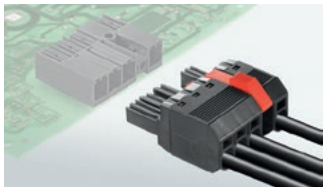
BVZ 7.62HP

High-performance female plug for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2–12
- IEC: 1,000 V / 41 A / 0.2–6 mm²
- UL: 600 V / 40.5 A / AWG 24–8

OMNIMATE® Power – PCB connectors

OMNIMATE® Power HP pitch 10 mm²

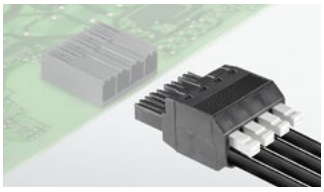


Webcode #11477

BVF 7.62HP

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–7
- IEC: 1.000 V / 41 A / 0.5–10 mm²
- UL: 600 V / 35 A / AWG 24–8

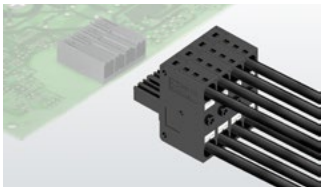


Webcode #11478

BVFL 7.62HP

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2–5
- IEC: 1.000 V / 41 A / 0.5–6 mm²
- UL: 600 V / 35 A / AWG 24–8

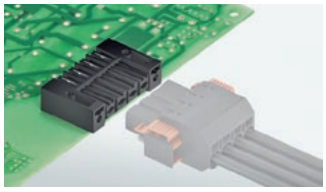


Webcode #11512

BVDF 7.62HP

Bus connector with two connections per pole with the time-saving 6mm² PUSH IN connection system

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2–8
- IEC: 600 V / 46 A / 0.5 - 10 mm²
- UL: 600 V / 35 A / AWG 24 – AWG 8



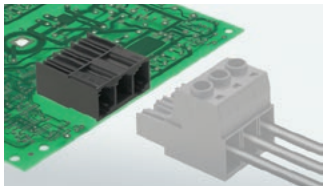
Webcode #01148

BVL 7.62HP

High-performance female header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2–7
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

OMNIMATE® Power HP pitch 10.16 mm²

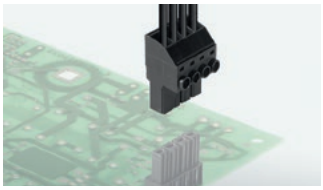


Webcode #01152

SU 10.16HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2–9
- IEC: 1.000 V / 76 A
- UL: 300 V / 60 A

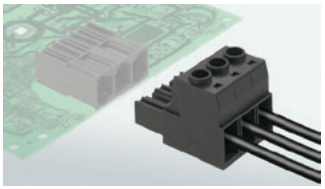


Webcode #01154

SUZ 10.16HP

High-performance male plug with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2–9
- IEC: 1.000 V / 78 A / 0.2–16 mm²
- UL: 600 V / 54 A / AWG 24–6

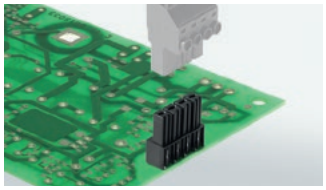


Webcode #01150

BUZ 10.16HP

High-performance female plug with 180° outlet direction for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2–9
- IEC: 1.000 V / 78 A / 0.2–16 mm²
- UL: 600 V / 60 A / AWG 22–4



Webcode #01156

BUL 10.16HP

High-performance female header with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Female header
- Pitch: 10.16 mm
- Number of poles: 2–4
- IEC: 1.000 V / 76 A
- UL: 300 V / 57 A

PUSH IN spring connection



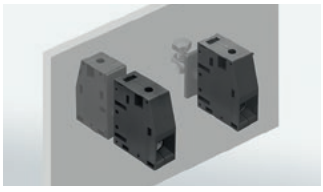
Webcode #01158

PGK

Device feedthrough terminal blocks with disc design and intuitive locking for a quick and compact solution.

- PUSH IN spring connection
- Connection cross-section: up to 4 mm²
- IEC: 500 V / 32 A / 0.5–4 mm²
- UL: 300 V / 30 A / AWG 24–10

Clamping yoke screw connection



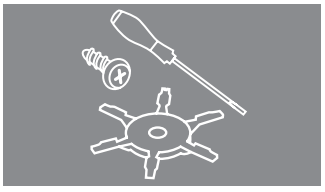
Webcode #01160

WGK

High-current feed-through terminals as a universal solution to guide currents of various scales through the device wall.

- Clamping yoke screw connection
- Connection cross-section: 6 to 95 mm²
- IEC: 1.000 V / 232 A / 0.5–95 mm²
- UL: 600 V / 230 A / AWG 24–4/0

Accessories



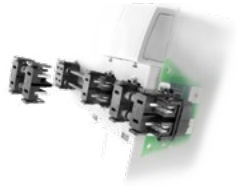
Webcode #11463

Accessories

For Power feed-through terminals

OMNIMATE® Power – PCB- connector cross connection

OMNIMATE® Power bus and T-connector

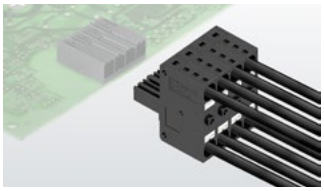


Webcode #11513

PB 160

Modular current bar solution, for multi-axis servo amplifiers intermediate circuit and 24 V control voltage supply.

- Modular SNAP-IN bus system
- Tool less connection
- Number of poles: 2
- IEC: 1000 V / 160 A
- UL: 750 V DC / 160 A



Webcode #11512

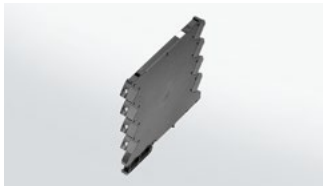
BVDF 7.62HP

T-connector with two connections per pole with the time-saving 6 mm² PUSH IN connection system.

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2–8
- IEC: 600 V / 46 A / 0.5 –10 mm²
- UL: 600 V / 35 A / AWG 24 – AWG 8

OMNIMATE® Housings

CH20M



Webcode #11334

CH20M6

The tailor-made solution for a wide application spectrum. Fits in any terminal strip.

- Housing width: 6.1 mm
- Connection levels on each side: 4
- Connectable conductors: 8
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: no



Webcode #11335

CH20M12

The "small" option amongst the "large" housing solutions for compact electronics applications.

- Housing width: 12.5 mm
- Connection levels on each side: 3
- Connectable conductors: 12
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes



Webcode #11336

CH20M17

Ideal housing solution for compact standard electronics applications.

- Housing width: 17.5 mm
- Connection levels on each side: 3
- Connectable conductors: 18
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes



Webcode #11337

CH20M22

Standard format with optimal width for most typical electronics applications.

- Housing width: 22.5 mm
- Connection levels on each side: 3
- Connectable conductors: 24
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes

CH20M



Webcode #11338

CH20M45

Extra-large size for electronics applications that require more space, such as compact controllers and power supplies.

- Housing width: 45 mm
- Connection levels on each side: 3
- Connectable conductors: 48
- Connection technology reflow-compatible: yes
- Circuit board capacity: 2
- Variable circuit board positions: yes

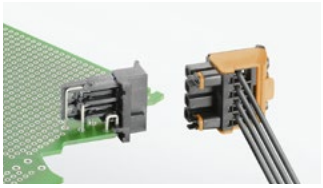


Webcode #11339

CH20M67

XXL size for those electronics applications that require lots of space, such as compact controllers and power supplies.

- Housing width: 67.5 mm
- Connection levels on each side: 3
- Connectable conductors: 72
- Connection technology reflow-compatible: yes
- Circuit board capacity: 3
- Variable circuit board positions: yes



Webcode #11436

Connection system CH20M

PCB terminal or male header and plug-in connectors for the CH20M housing.

- PUSH IN spring connection
- Clamping yoke screw connection
- Protection against mismating of connections
- Grid: 5.00 mm
- Number of poles 1–4
- IEC: 400 V / 10 A / 0.25–2.5 mm²
- UL: 300 V / 10 A / AWG 26-12



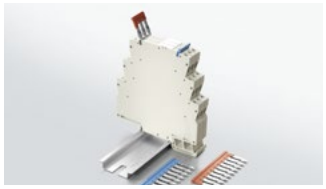
Webcode #11435

Tragschienenbus-System CH20M

Der durchgängige Tragschienenbus für das modulare Elektronikgehäuse-System

- für alle Gehäusebreiten durchgängig verwendbar
- einfache Integration in die TS35 Tragschiene
- Reflow - lötfähige BUS-Kontakte

MICROBOX



Webcode #11434

Small enclosure with 6 screw and tension clamp connections

- Clamping yoke screw connection for conductors up to 2.5 mm²
- Tension clamp connection for conductors up to 1.5 mm²
- Vibration-resistant contacts
- Vibration-free terminal rail mounting
- Enclosure wall clipped on securely

TERMINALBOX



Webcode #11433

Small housing with 4 to 6 connection, in screw-connection and tension-clamp versions

- Versatile arrangements of circuit boards and transparent top plate for clear, permanent labelling
- Cover plates for sealing the enclosure
- Compatible with terminal rails TS32 and TS35

Modular housings of profile form series RS



Webcode #11432

Modular housings of profile form

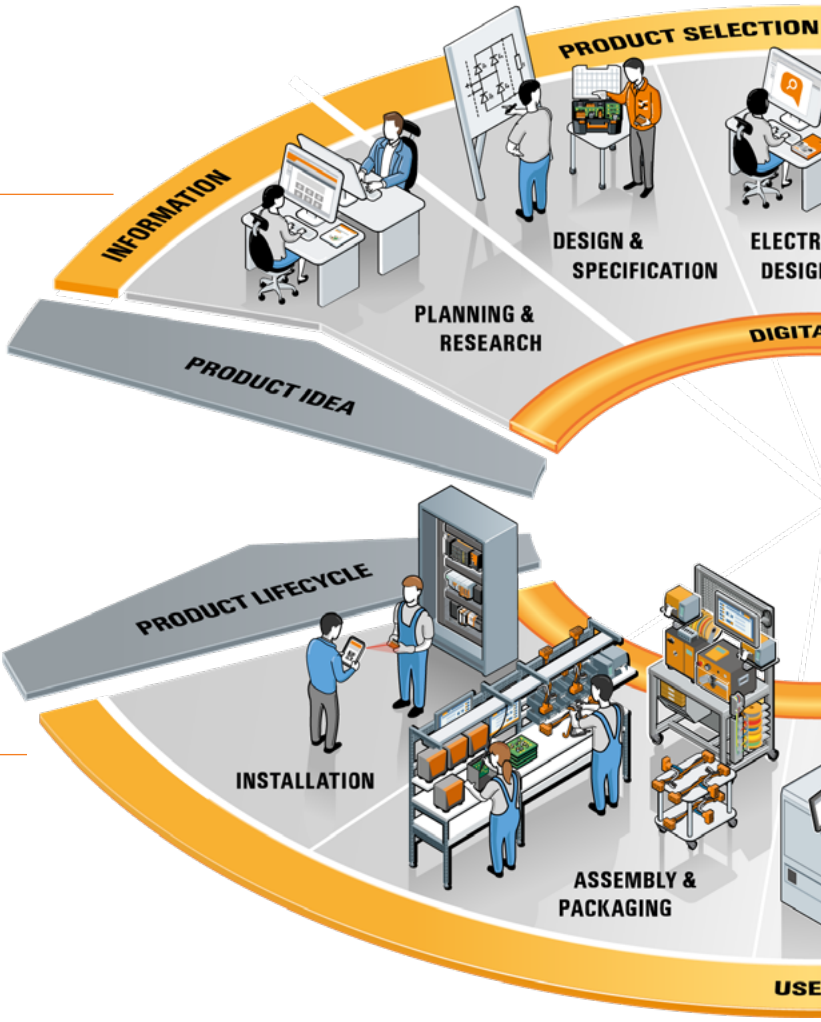
- PCB width 45 mm – 122 mm
- Variable heights
- Different installation variations
- Solid hoods
- Can be individually cut to length

Services & products in use

Services & products in use	Service	A.2
	ConnectorGuide - Products in use	A.8

Device developments designed with unique efficiency
OMNIMATE® during a typical device development phase

Efficient planning and design-in processes save you valuable time in product development. In addition to our PCB components, we offer a wide range of support tools and services.



Introductory video
We offer customised services for every step of your device development process, from obtaining initial information to plug-in connector installation in the field. OMNIMATE® services help you to reduce your project costs and time to market in a targeted way.

Webcode #11555

Installation videos
A handling video is available for each of our articles – scan a QR code on the product or its packaging to open them. The videos provide you with useful handling information step by step, making installation even easier, safer, and more convenient for you.

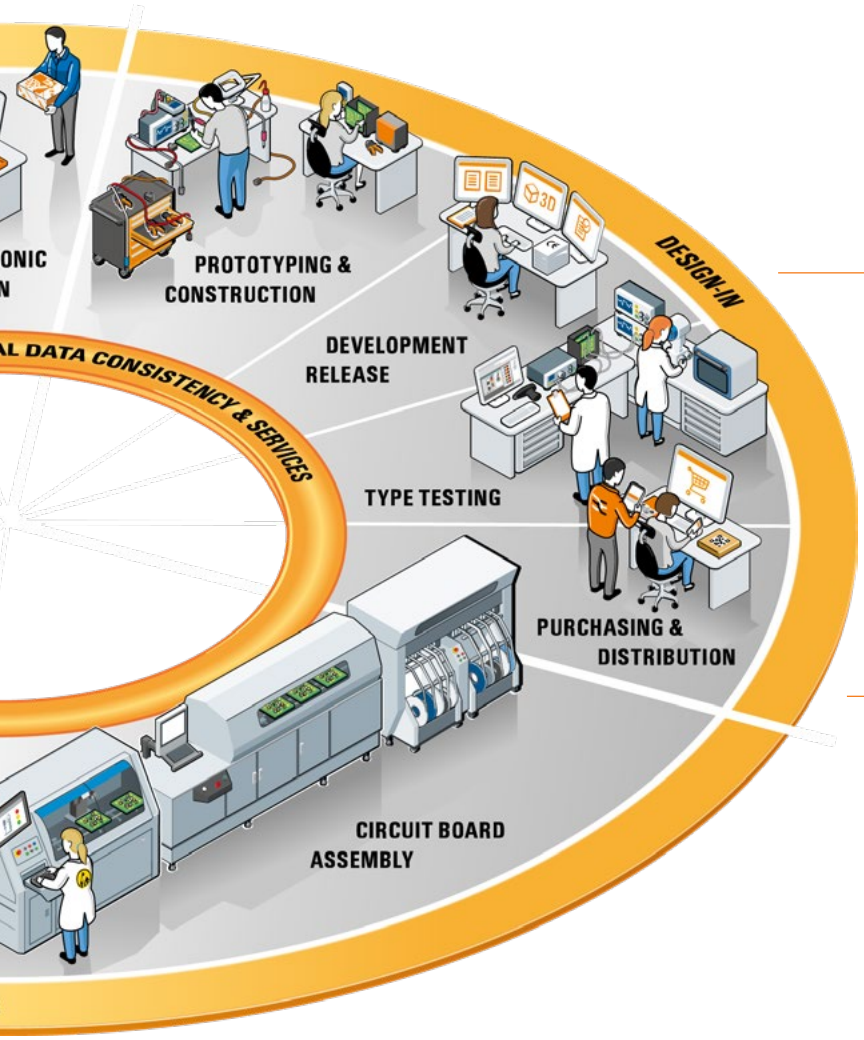
Webcode #11556

eShop
Our eShop helps you to quickly find the right products for your projects and easily place orders. View individual pricing calculations with corresponding agreements, and receive delivery information in real-time.

Webcode #11557

24/7 Online-Services

The right know-how at any time, helpful support and reliable services for your device development.
www.weidmueller.com/omnimate-services



ConnectorGuide
This online tool allows us to offer precise product recommendations with just a few clicks. There are two ways to use the tool: simply select
a.) "Search by Application" or
b.) "Search by Product", and the ConnectorGuide recommends custom-tailored connection solutions to you.

Webcode #01171

72h sample service
With the sample service, you receive your personal design-in sample within just 72 hours. The service is available for free worldwide, and without prior registration.

Webcode #01162

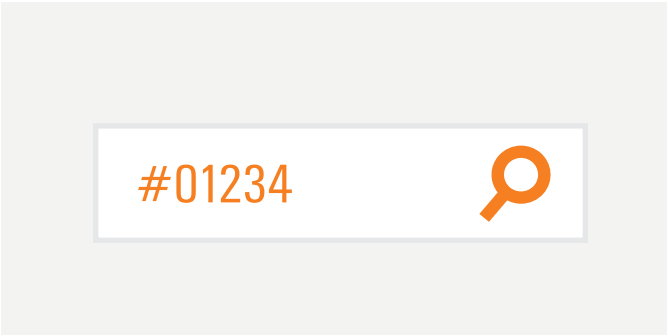
Product configurator
The configurator allows you to easily configure our modular SNAP IN products. You can mark them with symbols & colours or generate hybrid plug-in connectors by combining power, signal & data connections from individual modules. All necessary engineering and free product samples are also available in just a few clicks.

Webcode #11558

Many ways lead to the right product
Our online services as process-optimisation tools

There is more than one route to the final layout. Our support concept will assist you in all of your search and selection options.

Weidmüller has fundamentally re-designed the selection and ordering process for device connectivity in a way that better suits your application. In the future, there'll no longer be just the one path to the right product; there'll just be the right path: yours.



Webcode selection

For an application, you need certain specifications for certain products. Our new webcode allows you to go directly to the relevant products: simply choose the required product from the following pages and enter the hashtag with five-digit code on our website, and you'll be directed to the relevant details.

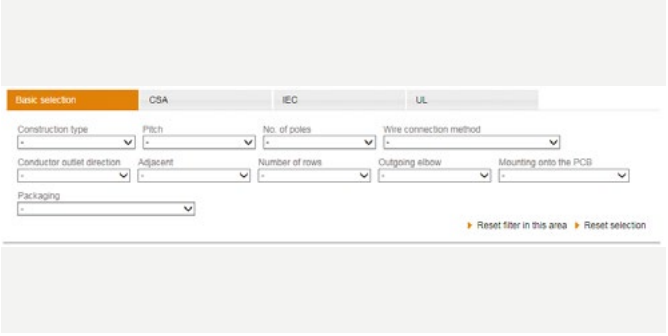
www.weidmueller.com



The ConnectorGuide

When working with applications, you'll need to find ways of successfully implementing your ideas.
Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.

Webcode #01171



Specification filters

In our online shop in the area of device connectivity, you filter the right product in seconds using your product and application requirements.

Webcode #11534



Webcode: the hashtag for easy product searching

A hashtag followed by five digits – that's all you need to find out detailed information about the products in our wide-ranging portfolio. Entering the sequence of characters activates certain product groups or an individual product.

Where can I find the webcode?
Next to the product, either in this brochure or online.

Where do I enter the webcode?
Just enter the code into the search screen on our website (ww.weidmueller.com). *

Where will I be directed to once I've entered the webcode?
You'll be taken to the product specifications and technical details, as well as additional info and downloads.

* Note: Make sure that the pop-up blocker settings are disabled

From concept to prototype in just 72 hours

You prefer to implement your ideas for PCB and device designs directly. We share your passion. Try our free, on-demand, 72-hour sample service and see how great it is.

When designing PCBs and devices, development engineers eventually reach the point when they have to find the ideal connectivity components for their applications.

With Weidmüller's sample service, you won't lose any time; within 72 hours, Weidmüller delivers samples of your device connection components and electronics housing to you, wherever you are located.
The path from our sample stock to your designers workplace is simple and begins with Weidmüller's online catalogue. Here, searchers will find around 3,000 products in the area of device connectivity and can select up to 25 samples.

Just a click of the mouse on the new "Order sample" button initiates the delivery process – from Weidmüller's warehouse to you, anywhere in the world.

Available for order online
Select your sample directly from the OMNIMATE® online shop.
www.weidmueller.com/sample-service



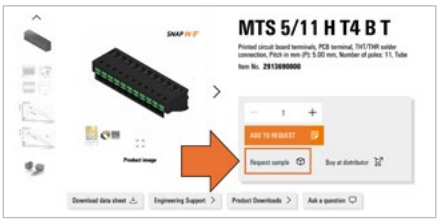
Best-in-class service
Our service team is ready to respond to any enquiry. You benefit from our best-in-class customer service.



This is how to get your design-in sample:
Simply go to the Weidmüller online shop or **www.weidmueller.com/sample-service.**
Find the ideal OMNIMATE® component there, enter your contact information and send in your order. Done!
We'll deliver your design-in sample to any location.

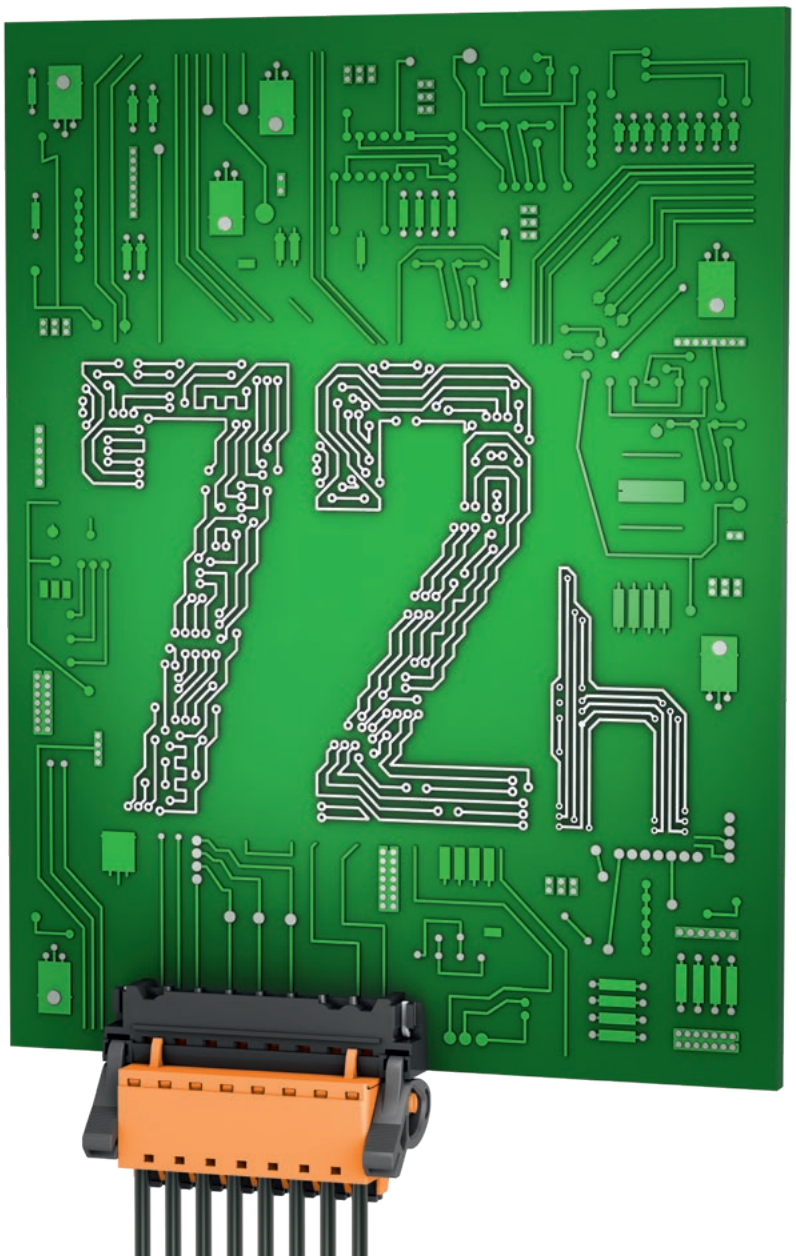
At your workplace in 72 hours
You will receive your samples no later than 72 hours after placing the order. Track your samples using your individual tracking number.





Large selection of products
Choose your samples from around 3,000 items in the OMNIMATE® product portfolio.





Your device application
Our ConnectorGuide for device developers

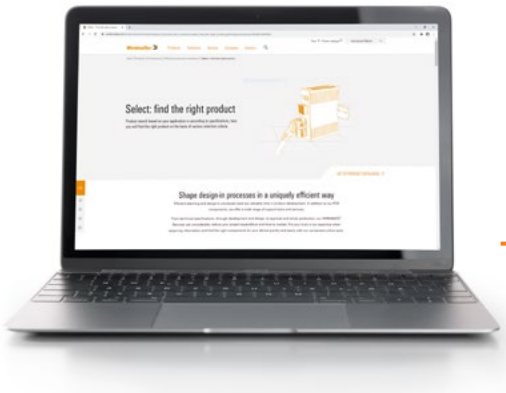
Based on your application, the ConnectorGuide will show you a representative range of products for the different functions of your device.

The overview will show you the application as you know it. Move the cursor over the markings to find out information on the connection technology for sub-assemblies and components. And it's just a few more clicks from here to your desired product.

ConnectorGuide
for device developers

Webcode #01170

ConnectorGuide
Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.
www.weidmueller.com/connectorguide





1. Open the ConnectorGuide
Go to: www.weidmueller.com/appguide or use the **Webcode #01171**

2. Select the application
Hotspots will show you the way to our recommended products

Go directly to your application with the webcode



Industrial controls



Drive controllers and regulators



Devices of machine safety



Analogue signal converter



Photovoltaic inverter



Power supply



Radio base stations



Heating electronics



Building security equipment



LED lighting systems



Elevator electronics devices



Smart Meter



Industrial IoT Network



Charging infrastructure for e-mobility



Energy Storage





3. Select product group

Use the hotspots to find the perfect products for your applications

4. Receive the product

Configure your selection and use the available functions of our online catalogue

An example of the OMNIMATE® Signal device connection method used in an industrial control application.

The trend in industrial automation technology is towards space-saving, cost-effective design. This results in higher density in the controls and individual components. At the same time, cost pressure and the demands of plant safety also increase. Furthermore, standards across all industries have to be complied with and automation know-how must be kept in tip-top shape.

We have been closely monitoring developments in electrical engineering and processing through all their stages and our range of products meets the trends and in many cases anticipates them. One example is our pin headers, which were optimised for the automated assembly and reflow soldering processes in advance. We are specialists in industrial connectivity. With an eye on practical application, we can support you in all your needs for automation and systems technology (measurement, industrial process and control technology), particularly in the areas of sensor actuator interfaces and power supplies.

We think you will be very pleased with our broad spectrum of products, particularly those in the OMNIMATE® family. You have a choice of device connectivity products which you can trust to be perfectly suited to your application needs. Our customer service staff is on hand to advise you in the selection process. In addition, our online configurator, located on our website, can help you put together your own entire product from the comfort of your computer. You can also find a 3D CAD tool for your product development free of charge under our Downloads section online. To round off our service, we offer our unique, on-demand 72-hour sample service, which ensures that you get the sample you request directly on site within three days.



Power supply & peripherals
PCB terminals and connectors, in 5.08 pitch, with PUSH IN or screw wire connections

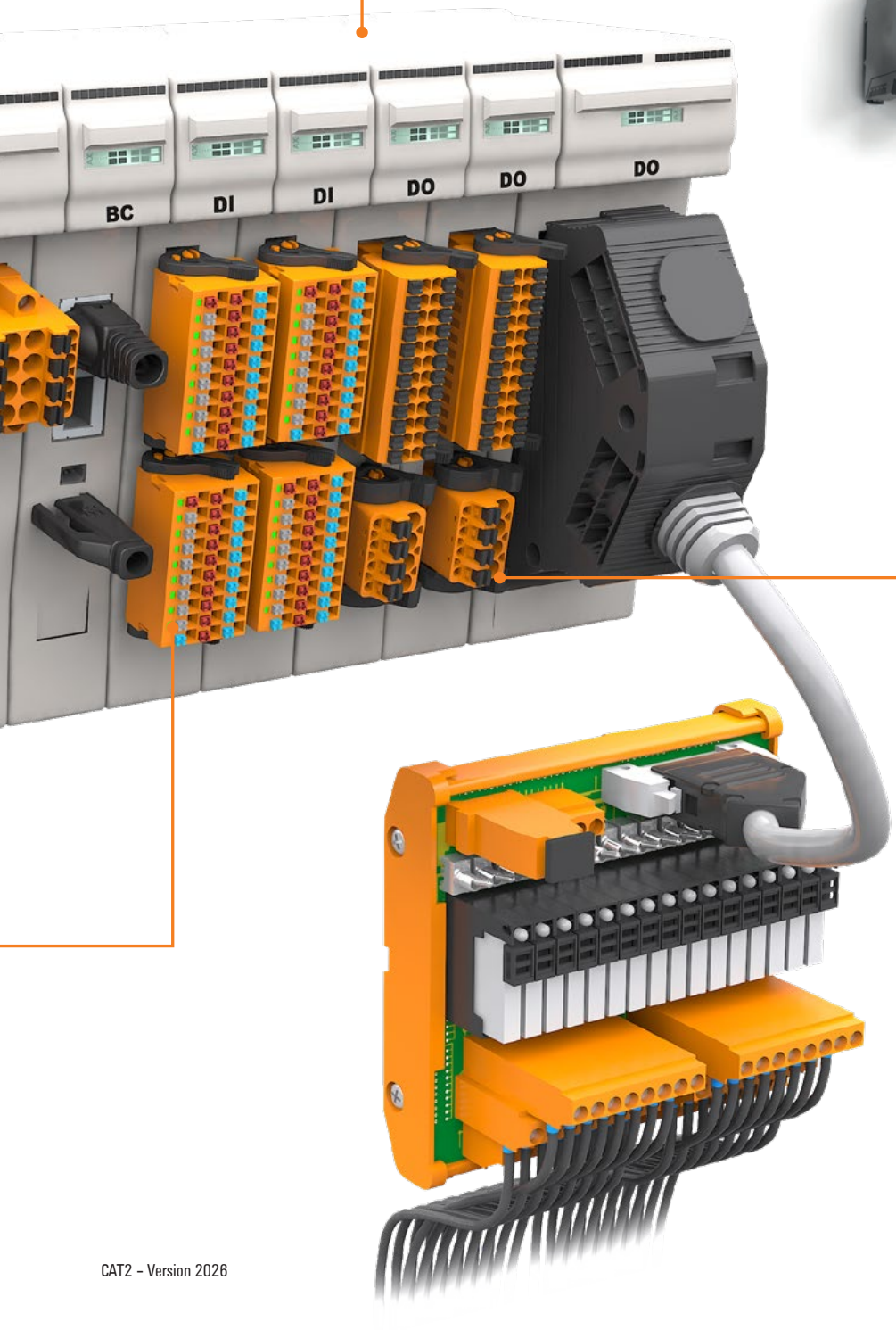


Input card
PCB BL-I/O plug-in connectors with PUSH IN connections for the most compact solution



Housings
CH20M electronic component housing in module widths of 6 mm to 67.5 mm





Output card
Compact B2CF 3.5 mm PCB plug-in connectors in two rows of PUSH IN connection



An example of the OMNIMATE® Power device connection method in a frequency converter application.

Webcode #11560

Semiconductor technology for power electronics has progressed at a steady pace in the last few years enabling more complex drive controllers to be manufactured, e.g. for rotational speed controllers or for precise positioning systems. So it's more important than ever to take advantage of connection technology that you can trust now and in the future.

We specialise in industrial connectivity; our connectivity solutions for the power electronics sector are backed by our comprehensive, real-world expertise. We understand the extremely demanding requirements for the servo-controllers and frequency inverters that are common in this business. Voltages of 400 to 690 V (according to IEC) and 600 V (according to UL), and up to 1,000 V in DC circuits, are not uncommon for such equipment. That is why you require high current-carrying capacity implemented in the most compact space possible. We can provide superior connectivity solutions to meet these challenging requirements.

You will be impressed with the vast range of our OMNIMATE® product line. Our OMNIMATE® Signal, OMNIMATE® Power, OMNIMATE® Housings and FieldPower® series offer you a choice range of products and the ideal connectivity solution for your application. We also support you with free 3D CAD files, which can be downloaded from the Weidmüller Online Configurator. In addition our unique, convenient and quick 72-hour OMNIMATE® sample service guarantees your design project stays on schedule. This service is convenient and quick to use – you receive the requested samples within 72 hours.

Network connection
Industry compliant plugs and sockets with the innovative Single Pair Ethernet technology.



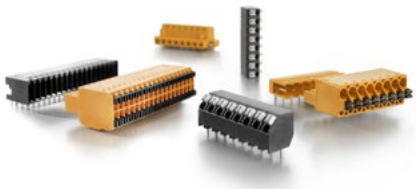




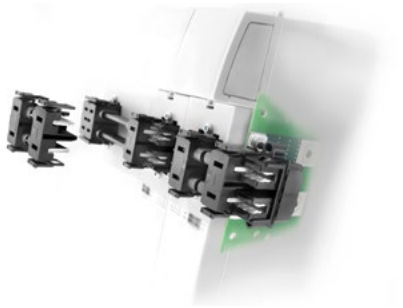
Motor connection compact
Modular and hybrid system for the construction of connectors for data, signals and power. Fast, secure and tool-free wiring thanks to the unique SNAP IN connection.

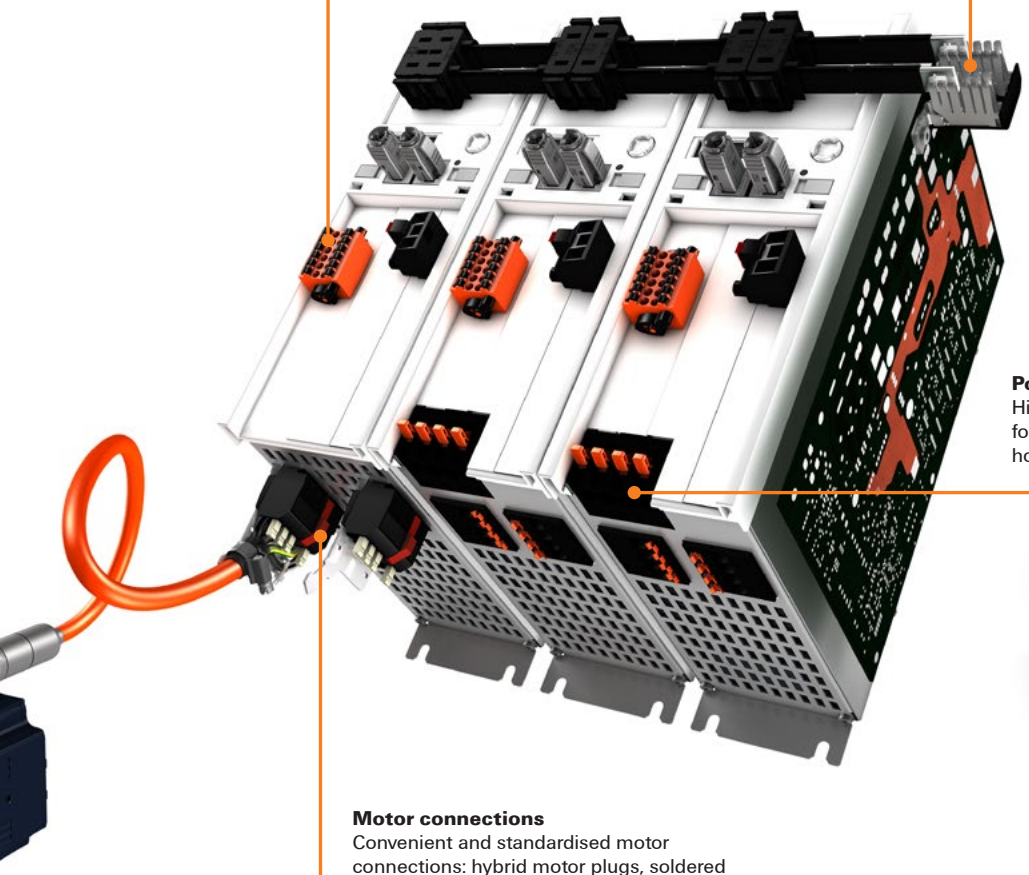


Safety circuit / External I/Os
PCB terminals and connectors with PUSH IN or screw connection



Intermediate circuits (DC-Link)
Device feedthrough terminals for direct connections, PCB terminals, connectors carrying high voltages safely





Power supply
High-performance connectors and terminals for circuit boards; terminals for feeding through housing walls



Motor connections
Convenient and standardised motor connections: hybrid motor plugs, soldered feedthrough terminals and PCB terminals blocks



Industrial IoT network as a reference for OMNIMATE® Data device connection technology

Ethernet devices such as switches, safety routers or IoT gateways are perfect communication components within an industrial network. For simple to complex real-time networks in plant and machine construction, different categories of devices are used. They form a perfect platform in the industrial environment and its connection to superordinate office networks and cloud services. In order for the communication between Ethernet-capable devices to function smoothly, high-performance connectors are required that can withstand the high requirements in terms of EMC and temperature resistance.

Webcode #01171

Service Interface
Standardised connector such as USB (type A, B or C) for serial interfaces.





Ethernet-Ports
High-performance connectors for data transmission including a wide range of Single Pair Ethernet products for miniaturization and future security.



Input and output signals
PCB terminal blocks and connectors with a pitch of 3.50 to 5.08 mm with PUSH IN connection and high packing density



Power Supply
Intuitive connectors with visual connection indicators or supply of neighbouring components by means of cross-connections.





OMNIMATE® 4.0

OMNIMATE® 4.0	Explanation	B.2
	Quick selection	B.14
	Connectors in 5.00 mm pitch Series MHS / MPS 5 – SNAP IN connection up to 2.50 mm²	B.16
	Connectors in 7.50 mm pitch Series MHS / MPS 7S – SNAP IN connection up to 4 mm²	B.21
	Connectors in 6.35 mm pitch Series MHS / MPS 6 – SNAP IN connection up to 6 mm²	B.26
	Hybrid connectors with 7.50 mm and 5.00 mm pitch Series MHS / MPS 7S/..-5/.. – SNAP IN connection up to 4 mm²	B.30
	PCB terminals with 5.00 mm pitch Series MTS 5 – SNAP IN connection up to 2.50 mm²	B.32
	PCB terminals with 7.50 mm pitch Series MTS 7S – SNAP IN connection up to 2.50 mm²	B.34

The next generation of device connectivity
with innovative SNAP IN connection technology

The requirements for modern devices are continuously increasing. Shorter development cycles, growing product variety and the demand for more efficient manufacturing processes present developers and manufacturers with ever greater challenges.

With OMNIMATE® 4.0, Weidmüller provides a comprehensive concept for next-generation device connectivity. The innovative portfolio combines high-performance PCB connectors and PCB terminals with a modular product architecture, digital engineering services and the pioneering SNAP IN connection technology.

The result is faster development processes, greater flexibility in device design and significantly more efficient assembly and wiring operations. From the initial concept and engineering phase through to serial production, OMNIMATE® 4.0 helps device manufacturers reduce complexity and bring innovations to market faster.

Thanks to its modular system approach, products can be configured individually and realized within the shortest possible time. At the same time, SNAP IN technology enables fast, safe and tool-free wiring while creating the foundation for the automated manufacturing processes of tomorrow.



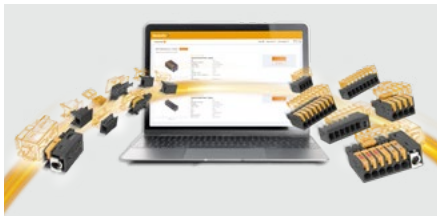
Faster time-to-market
Accelerate development, procurement and time-to-market with a scalable platform for an end-to-end digital development process



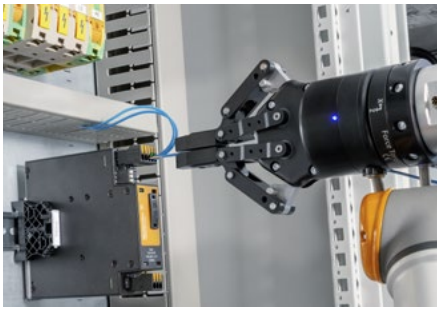
SNAP IN connection



Highest flexibility for your application
The modular portfolio enables tailor-made solutions for signal, power and hybrid applications – from standard products to customised configurations



Future-proof platform
The steadily growing modular platform with SNAP IN creates the foundation for efficient, automated wiring and manufacturing processes

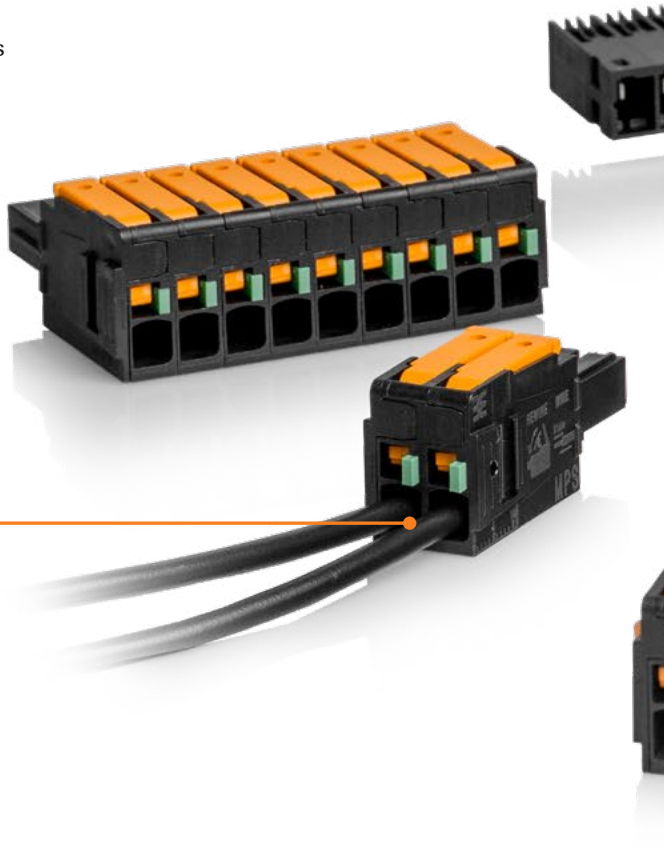


SNAP IN products for maximum efficiency in development, production and wiring

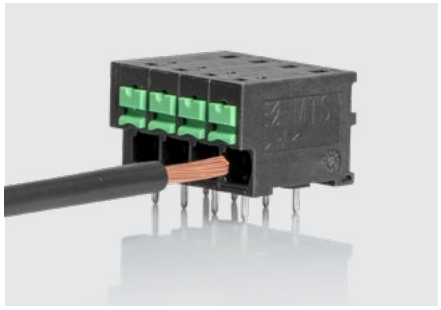
OMNIMATE® 4.0 – Fast. Flexible. Digital.

OMNIMATE® 4.0 stands for a new generation of PCB connectors and PCB terminals with integrated SNAP IN connection technology. The modular product portfolio includes solutions for signal, power and hybrid applications and enables the uniform implementation of modern device interfaces. Optimized product properties for development, production and installation ensure a high level of process reliability along the entire value chain.

From consistent product design to use in automated manufacturing processes to tool-free wiring thanks to SNAP IN, OMNIMATE® 4.0 supports the efficient implementation of individual device concepts. This results in solutions that not only optimize the device connection, but also make a measurable contribution to the efficiency of the entire process.



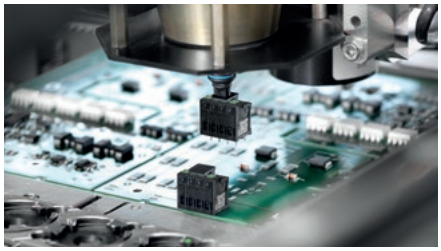
Fastest wiring
Thanks to the innovative SNAP IN connection technology, conductors can be connected directly without the need for tools, even without wire-end ferrules



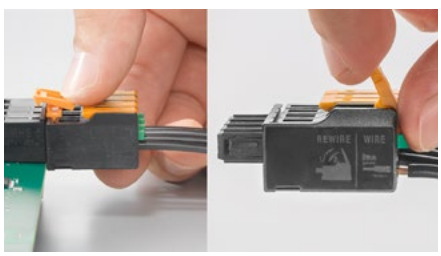
Acoustic and visual feedback
Correct wiring is confirmed by an audible "click" and a visible green indicator



Process- and automation-ready
High-performance material for various soldering processes such as THT or THR with precise pin tolerances and automation-suitable packaging



Operation optimized for the application
Optimized operation in different installation situations with lever and pusher actuation and flexible fixation systems



The efficient solution for a digitized device development process

OMNIMATE® 4.0 – Fast. Flexible. Digital.

Modern device developments require individual solutions. Rising performance requirements, more interfaces, compact designs, and consistent design specifications often increase engineering effort and product variety.

With OMNIMATE® 4.0 and the web-based PCB configurator, custom device connections can be implemented quickly and easily. The modular product portfolio enables the flexible combination of different functions and interfaces to create a tailor-made solution for your applications.

From the initial idea to the order, OMNIMATE® 4.0 provides support of the digital development process with extensive engineering data, intuitive configuration options and rapid availability of the first product samples. This reduces development efforts, accelerates decision-making processes and enables suitable solutions to be implemented within the shortest possible time.



Modular interfaces for tailor-made device concepts
The modular platform concept enables individual combinations of energy, signal and data transmission in one system

Individual products in just a few clicks
Configure markings, codings, and other product individualizations to match your application and design requirements



Engineering data available at any time
Access technical data, 3D models, CAD data, PCB footprints and product information directly for your development process



From selection to sample in record time
Order standard and customer-specific variants directly online and speed up your development process with our 72h sample service



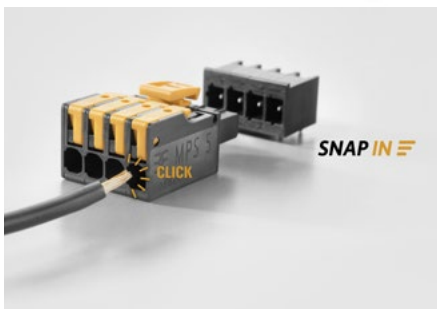
Flexible SNAP IN PCB connectors for signal and power applications

MPS/MHS 5 and MPS/MHS 7S for fast wiring, flexible device concepts and efficient manufacturing processes

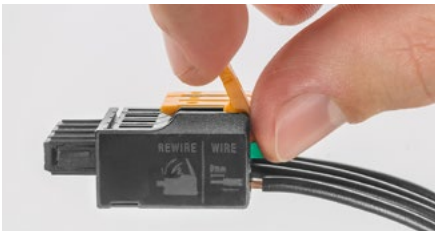
The MPS/MHS 5 and MPS/MHS 7S connector series combine the innovative SNAP IN connection technology with a modular product concept for modern device connectivity. From controllers and automation systems to demanding energy and drive applications, both product families offer a powerful and flexible interface between the PCB and conductor wiring. Consistent operating concepts, flexible outlet directions, tool-free locking options and a high level of process capability support device manufacturers throughout the entire product life cycle. At the same time, the modular OMNIMATE® 4.0 platform concept enables the realization of individual variants and future hybrid solutions for power, signal and data transmission



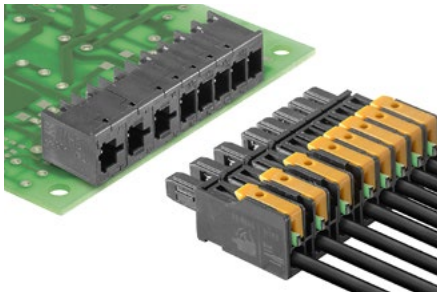
Maximum wiring speed
Tool-free direct wiring with acoustic and visual feedback reduces wiring times and increases process reliability

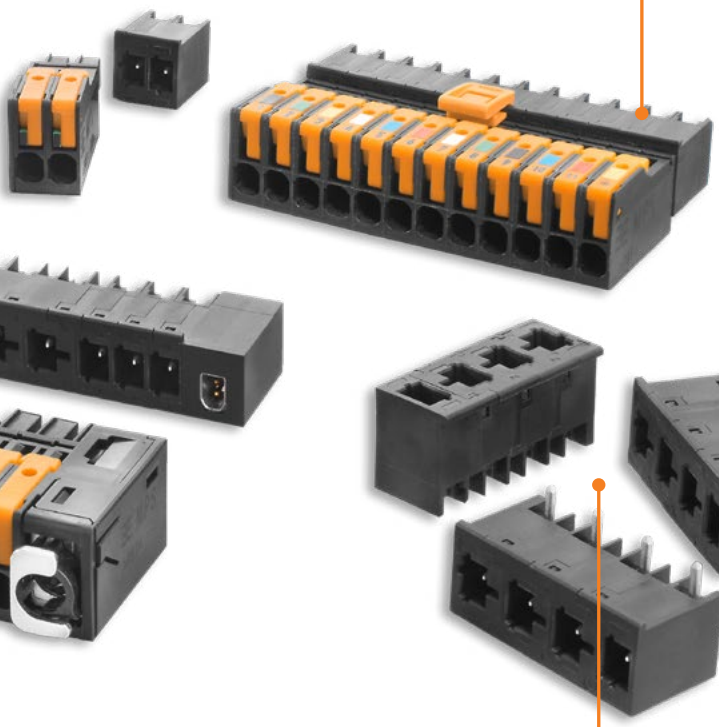


Convenient connection and rewiring
The integrated lever operation allows easy disconnection and reconnection of the wire without additional tools

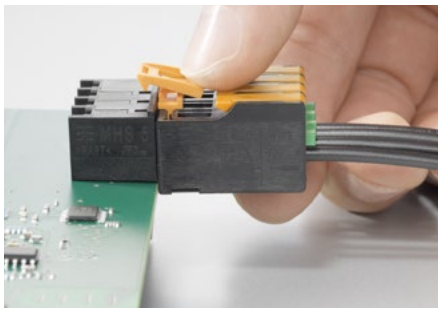


Flexible combination of signal, energy and data transmission
The modular OMNIMATE® 4.0 concept enables hybrid solutions and supports future device generations with a high degree of design flexibility





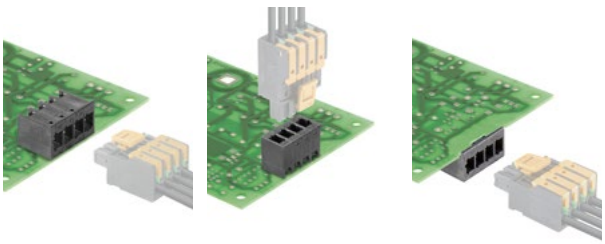
Flexible locking without redesign
Optional top fixation can be inserted without changing the header and the PCB design



Process reliability from assembly to soldering
Automation-ready packaging as well as THT- and THR-capable product variants support efficient and reliable production processes



One layout for different applications
Three outgoing directions, common layout and optional fixation support flexible device concepts without redesign

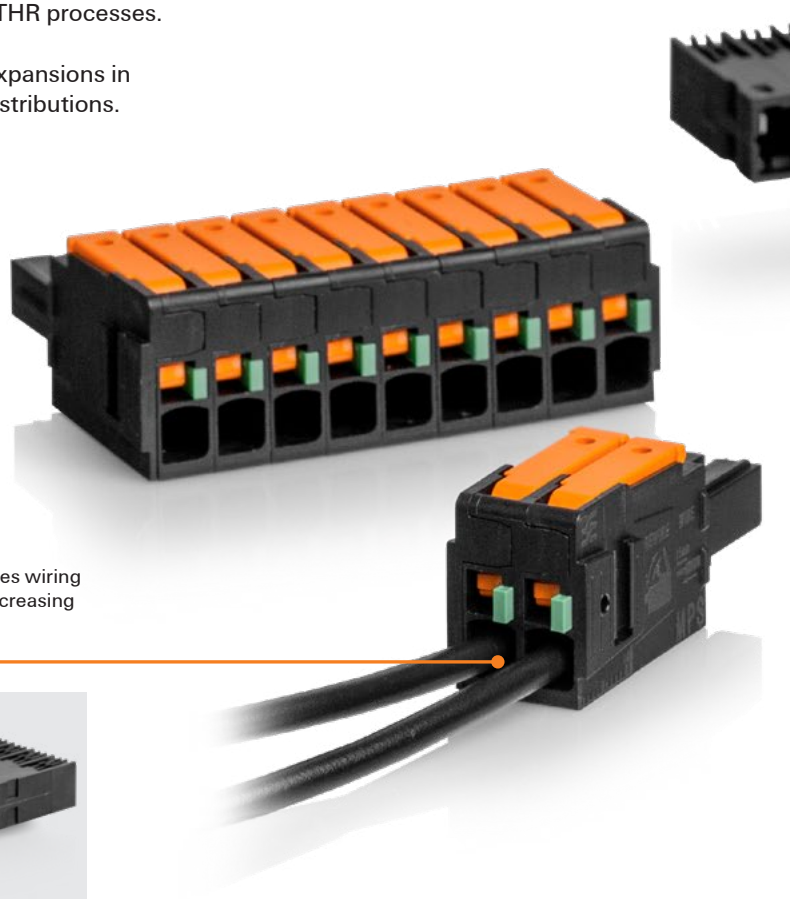


SNAP IN PCB connectors for compact power electronics

MPS/MHS 6 in 6.35 mm pitch for use up to 600 V according to UL-1059

The MPS/MHS 6 PCB connectors of the OMNIMATE® 4.0 product family can transmit currents exceeding 40 A, enable fast wiring thanks to the SNAP IN connection technology and meet high voltage requirements up to 1,000 V according to IEC or 600 V according to UL-1059. The 6.35 mm pitch saves space for miniaturization of the devices, the 4 mm² connection supports high currents, and the lever makes it easier to operate in the case of service or incorrect wiring. The space-saving side fixation supports flexible layouts without having to change the male header. The male header is suitable for both THT and THR processes.

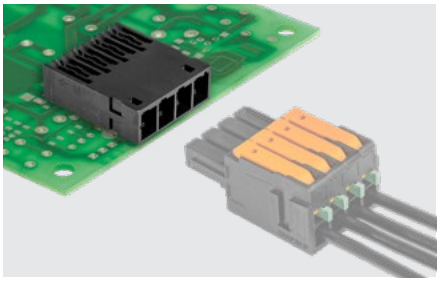
The modular design creates a future-proof platform for future expansions in power electronics, such as drives, power supplies and power distributions.



Maximum wiring speed
SNAP IN connection technology reduces wiring time and wiring errors and therefore increasing efficiency

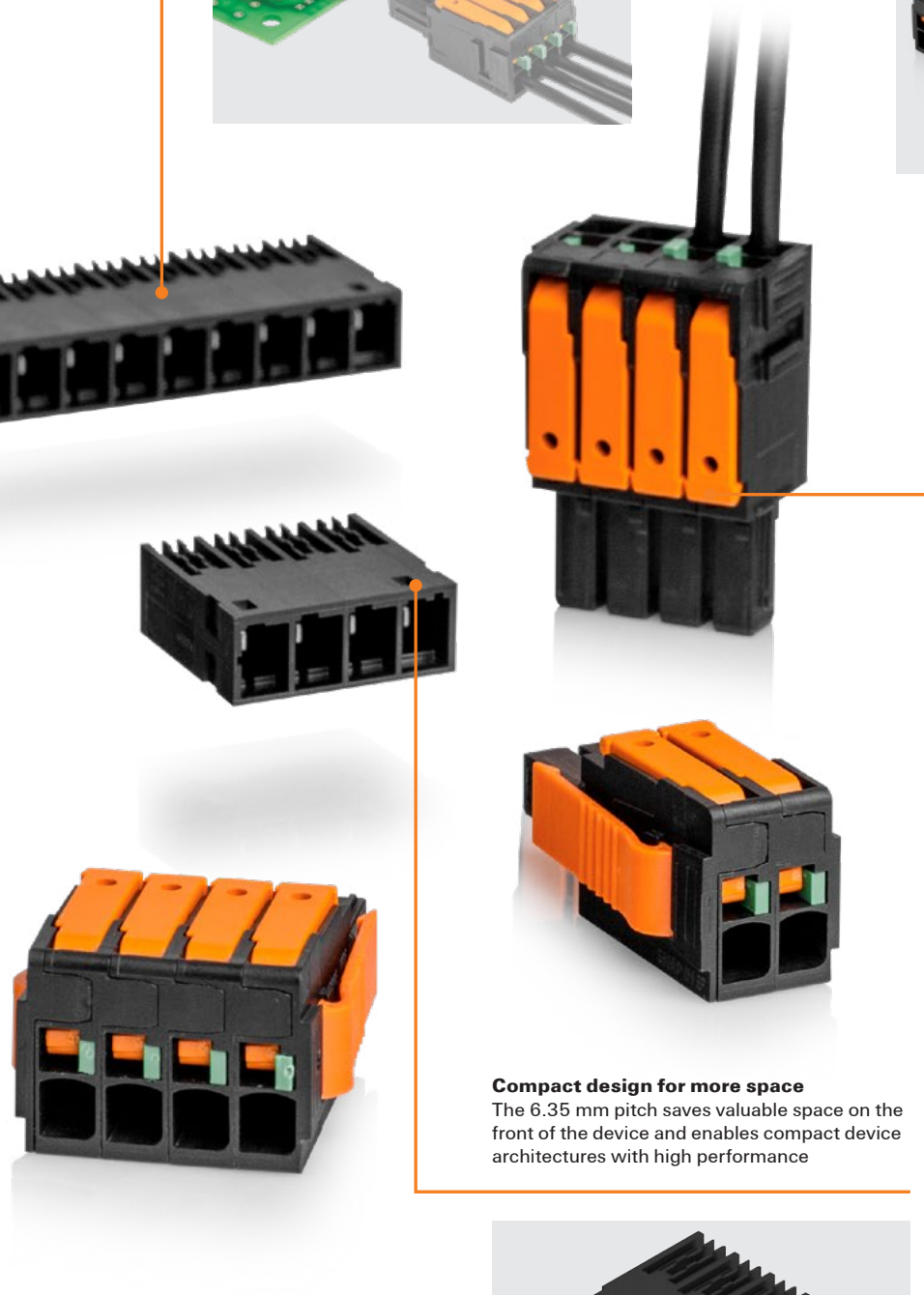


Optimized for automated production
MHS 6 connectors are suitable for automated manufacturing processes with automatization-ready packaging, MSL-1 materials and support for THT and THR soldering processes

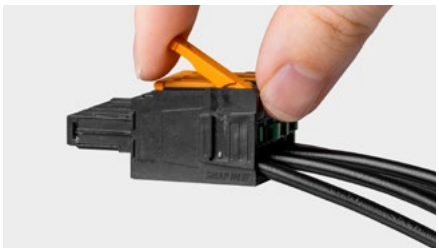


Plan flexibly, scale securely
The header of the MHS 6 can be used without or with the side fixation, as well as for THT and THR soldering processes, without changing the male header and PCB layout

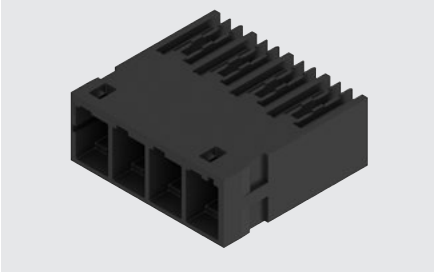




Easy operation for service and installation
The integrated lever operation enables convenient rewiring without additional tools. Even in term of service operations, handling remains fast, safe and convenient



Compact design for more space
The 6.35 mm pitch saves valuable space on the front of the device and enables compact device architectures with high performance

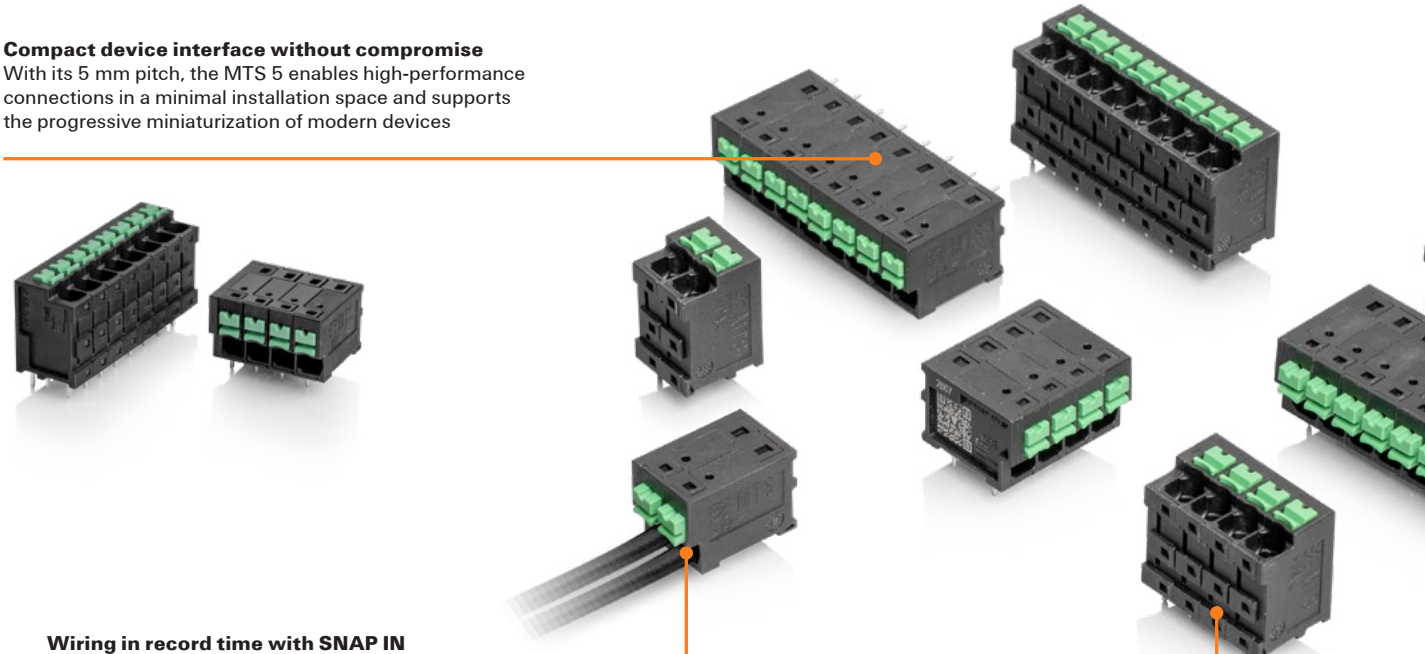


Compact SNAP IN PCB terminals for signal and power applications

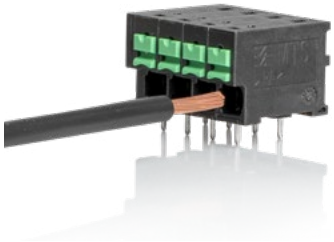
MTS product series in 5.00 mm and 7.50 mm pitches – compact, fast wiring and reflowable

The MTS 5 and MTS 7S PCB terminal blocks combine a compact design with innovative SNAP IN connection technology for fast, safe and tool-free wiring processes. As high-performance interfaces for signal and energy applications, they support modern device concepts from control and automation technology to demanding power applications, such as drive controllers or heat pumps. The MTS products can be used both for internal wiring and on the front of the device. Thanks to high current-carrying capacity and THR capability, both product series combine maximum wiring speed with reliable and future-proof connection systems.

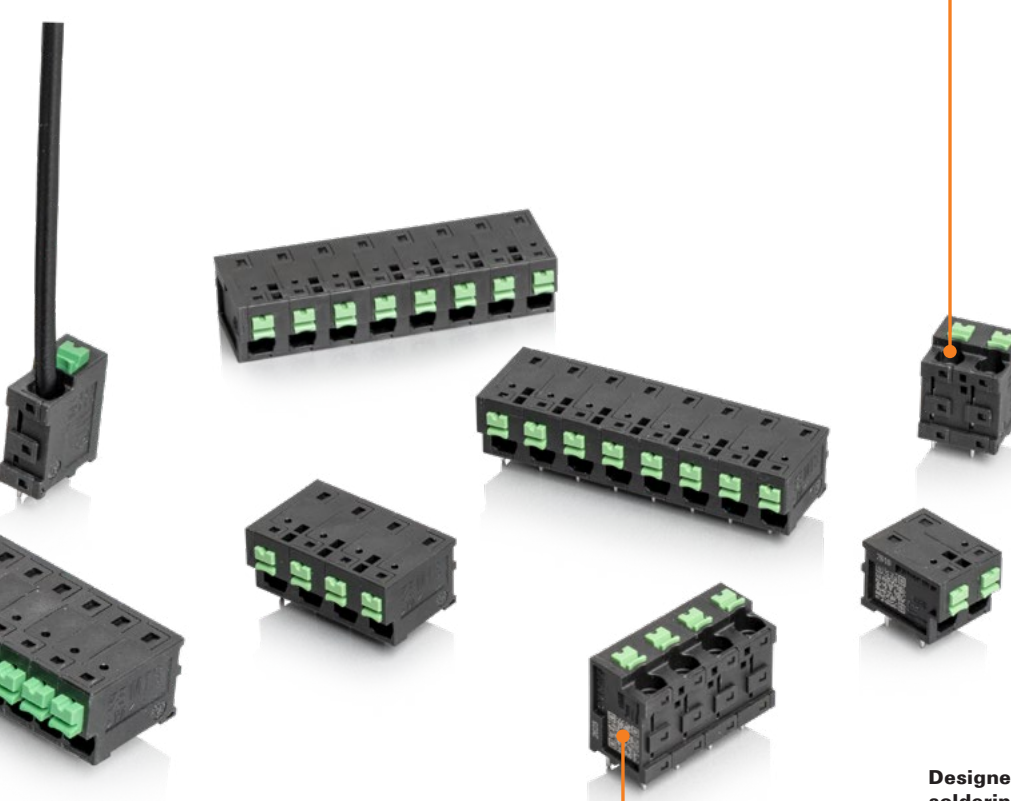
Compact device interface without compromise
With its 5 mm pitch, the MTS 5 enables high-performance connections in a minimal installation space and supports the progressive miniaturization of modern devices

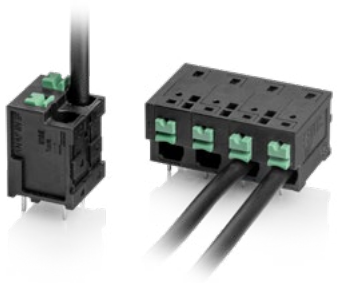


Wiring in record time with SNAP IN
SNAP IN connection technology reduces installation time and wiring errors. Audible and visual feedback from the actuator button confirms secure connection

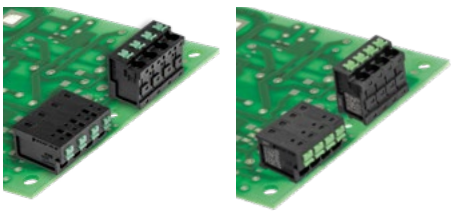


Compact power connections up to 1000 V
With its pitch of 7.50 mm, the MTS 7S is suitable for applications with higher voltage requirements such as drive controllers, heat pumps or power supplies

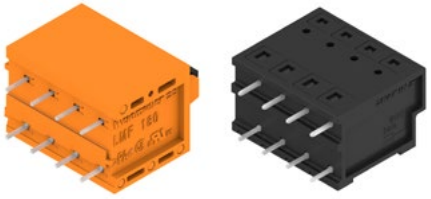




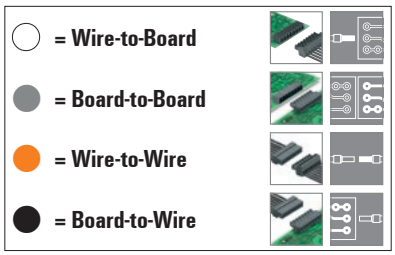
Designed for automated assembly and soldering processes
MTS products support THR and THT soldering processes with automatization-ready packaging and reduce manufacturing costs

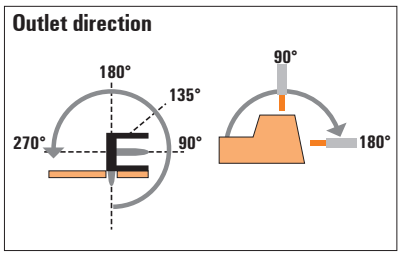


Easy upgrade without redesign
The MTS products support existing PCB layouts and enable an easy switch to SNAP IN technology



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MPS/MHS series

		Type	Pitch	Outlet direction	Fixation options	IEC / UL
Female plug	Spring SNAP IN		**MPS 5/.. S..**	**5.00 mm**	180°	Optional top fixation (F)	IEC: 400 V / 26.8 A / 0.34 - 4 mm² UL: 300 V / 18.5 A / AWG 20 - AWG 12
			**MPS 7S - S**	**7.50 mm**	180°	Optional top fixation (F)	IEC: 1000 V / 34.6 A / 0.34 - 4 mm² UL: 600 V / 18.5 A / AWG 20 - AWG 12
			**MPS 7S/.. -5/.. S**	**Hybrid 7.50 mm + 5.00 mm**	180°	Optional top fixation (LF)	IEC: 1000 V / 34.6 A / 0.34 - 4 mm² UL: 600 V / 26.5 A / AWG 20 - AWG 10
			**MPS 6/.. S**	**6.35 mm**	180°	Optional side fixation (F)	IEC: 1000 V / 47.2 A / 0.5 - 6 mm² UL: 300 V / 18.5 A / AWG 20 - AWG 12

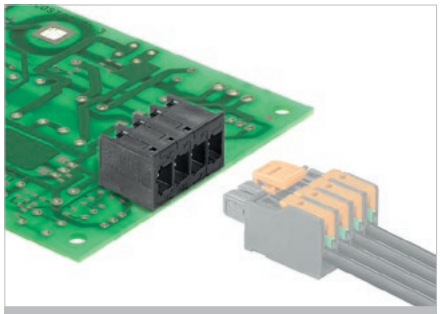
Plug

Reflow solder connection



	MHS 5/.. H	MHS 5/.. V	MHS 5/.. W	MHS 7S/.. H	MHS 7S/.. V	MHS 7S/.. W	MHS 7S/.. -5/.. H	MHS 6/.. H	MHS 6/.. V
	5.00 mm	**5.00 mm**	**5.00 mm**	**7.50 mm**	**7.50 mm**	**7.50 mm**	**Hybrid 7.50 mm + 5.00 mm**	**6.35 mm**	**6.35 mm**
	90°	180°	270°	90°	180°	270°	90°	90°	180°
	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with side fixation	Compatible with side fixation
	IEC: 400 V / 26.8 A UL: 300 V / 18.5 A	IEC: 400 V / 25.3 A UL: 300 V / 18.5 A	IEC: 400 V / 26.8 A UL: 300 V / 18.5 A	IEC: 630 V / 30.4 A UL: 300 V / 18.5 A	IEC: 630 V / 34.6 A UL: 300 V / 18.5 A	IEC: 630 V / 30.4 A UL: 300 V / 18.5 A	IEC: 630 V / 30.4 A UL: 300 V / 18.5 A	IEC: 1000 V / 47.2 A UL: 300 V / 26.5 A	IEC: 1000 V / 47.2 A UL: 300 V / 26.5 A
	○	○	○						
				○	○	○			
							○		
								○	○

MHS 5 - horizontal



Modular male headers in 5.00 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

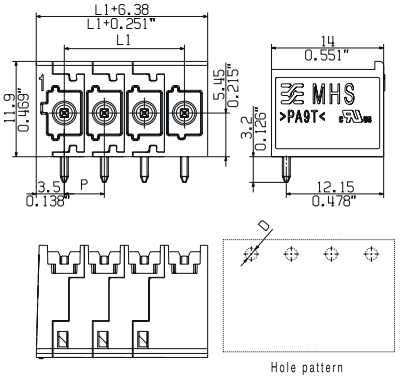
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 5/.. H T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**26.8**		**23.1**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

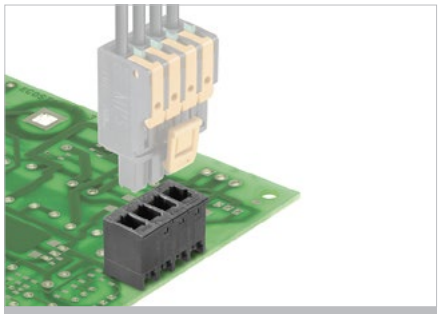
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	2741400000
3	10.00	0.394	33	2741420000
4	15.00	0.591	25	2741430000
5	20.00	0.787	20	2741440000
6	25.00	0.984	17	2741450000
7	30.00	1.181	15	2741460000
8	35.00	1.378	13	2741470000
9	40.00	1.575	11	2741480000
10	45.00	1.772	10	2741490000
11	50.00	1.969	9	2741500000
12	55.00	2.165	8	2741510000

MHS 5 - vertical



Modular male headers in 5.00 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 25.3 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

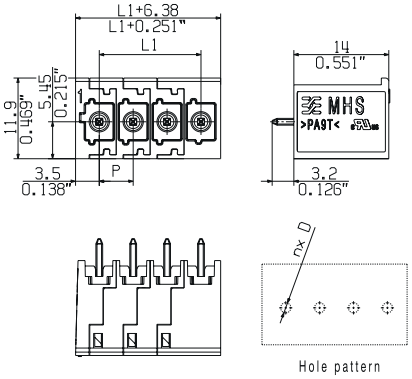
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 5/.. V T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**25.3**		**21.8**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

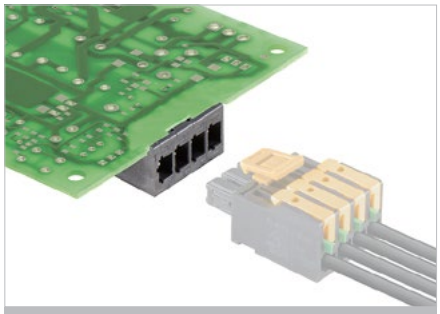
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	48	**8000072425**
3	10.00	0.394	33	**8000072430**
4	15.00	0.591	25	**8000072431**
5	20.00	0.787	20	**8000072435**
6	25.00	0.984	17	**8000072438**
7	30.00	1.181	15	**8000072450**
8	35.00	1.378	13	**8000072453**
9	40.00	1.575	11	**8000072454**
10	45.00	1.772	10	**8000072456**
11	50.00	1.969	9	**8000072461**
12	55.00	2.165	8	**8000072470**

MHS 5 - horizontal inverted



Modular male headers in 5.00 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

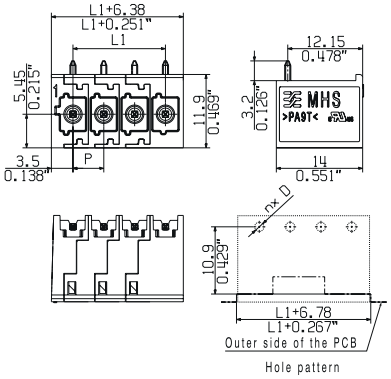
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 5/.. W T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**26.8**		**23.1**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

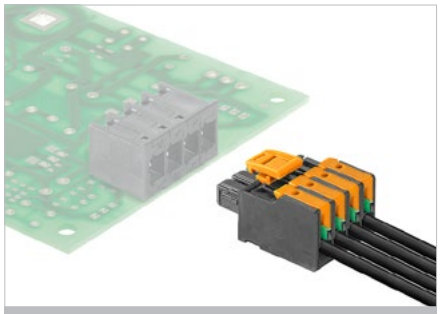
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.00	0.197	48	8000072497
3	10.00	0.394	33	8000072503
4	15.00	0.591	25	8000072506
5	20.00	0.787	20	8000072508
6	25.00	0.984	17	8000072509
7	30.00	1.181	15	8000072510
8	35.00	1.378	13	8000072511
9	40.00	1.575	11	8000072512
10	45.00	1.772	10	8000072513
11	50.00	1.969	9	8000072514
12	55.00	2.165	8	8000072515

MPS 5 - straight



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 18.5 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

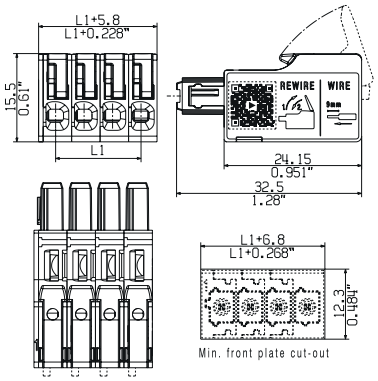
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 5/.. S TN B

Box packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.34...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**26.8**		**23.1**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**18.5**	**18.5**	**18.5**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

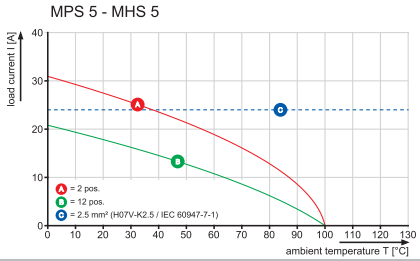
Solder pin length

Colour black

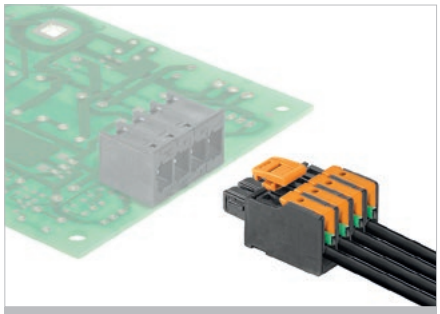
Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741560000
3	10.00	0.394	114	2741570000
4	15.00	0.591	84	2741580000
5	20.00	0.787	72	2741590000
6	25.00	0.984	60	2741600000
7	30.00	1.181	48	2741610000
8	35.00	1.378	42	2741620000
9	40.00	1.575	36	2741630000
10	45.00	1.772	36	2741640000
11	50.00	1.969	30	2741650000
12	55.00	2.165	30	2741660000

Representative deratings curve



MPS 5 - straight, top flange



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 18.5 A / AWG 20 - 12

72h

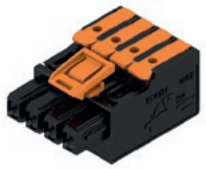
For additional articles and information, refer to eshop.weidmueller.com

Note:

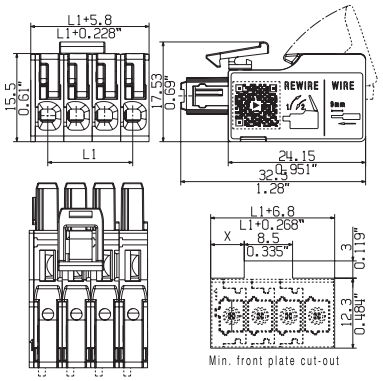
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 5/.. S F.. TN B

Box packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.34...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**26.8**		**23.1**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**18.5**	**18.5**	**18.5**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

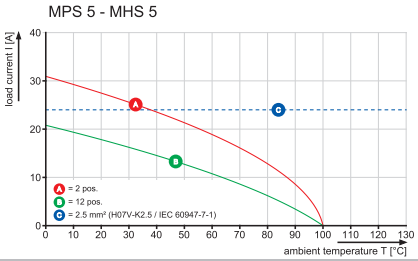
Solder pin length

Colour black

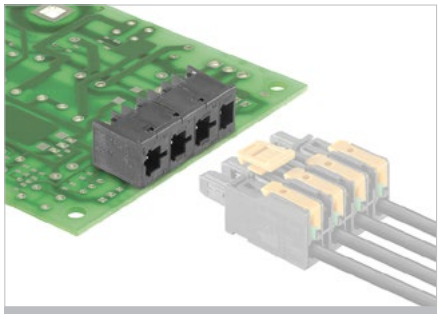
Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741670000
3	10.00	0.394	114	2741680000
4	15.00	0.591	84	2741690000
5	20.00	0.787	72	2741700000
6	25.00	0.984	60	2741710000
7	30.00	1.181	48	2741720000
8	35.00	1.378	42	2741730000
9	40.00	1.575	36	2741740000
10	45.00	1.772	36	2741750000
11	50.00	1.969	30	2741760000
12	55.00	2.165	30	2741770000

Representative deratings curve



MHS 7S - horizontal



Modular male headers in 7.50 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 30.4 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

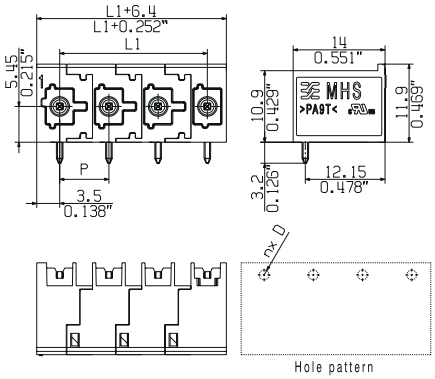
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 7S/.. H T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**30.4**		**27**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**1000**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**18.5**	**18.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

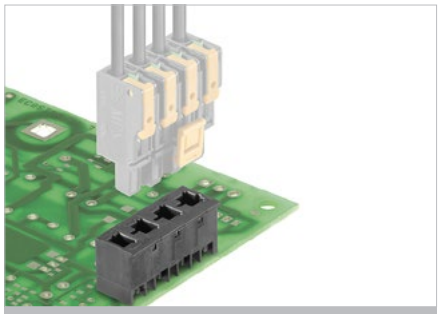
Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078306
3	15.00	0.591	25	8000078308
4	22.50	0.886	19	8000078309
5	30.00	1.181	15	8000078310
6	37.50	1.476	12	8000078311
7	45.00	1.772	10	8000078312
8	52.50	2.067	9	8000078313

Connectors in 7.50 mm pitch
Series MHS / MPS 7S - SNAP IN connection up to 4 mm²

MHS 7S - vertical



Modular male headers in 7.50 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 34.6 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

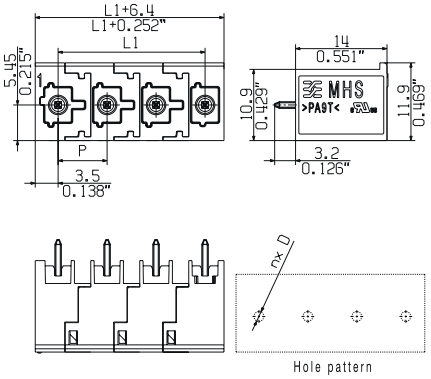
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 7S/.. V T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**34.6**		**30.7**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**1000**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**18.5**	**18.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

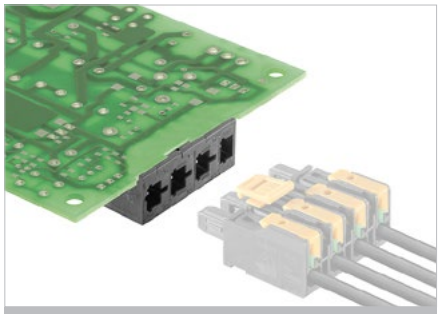
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078314
3	15.00	0.591	25	8000078315
4	22.50	0.886	19	8000078316
5	30.00	1.181	15	8000078317
6	37.50	1.476	12	8000078318
7	45.00	1.772	10	8000078319
8	52.50	2.067	9	8000078320

MHS 7S - horizontal inverted



Modular male headers in 7.50 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 30.4 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

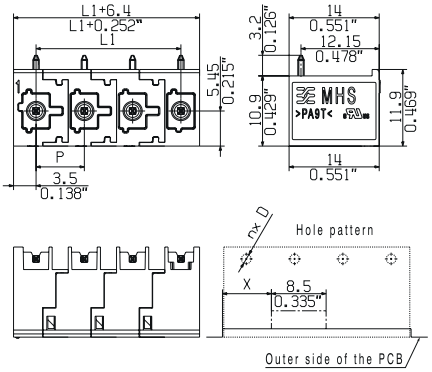
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 7S/.. W T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**30.4**		**27**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**1000**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**18.5**	**18.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

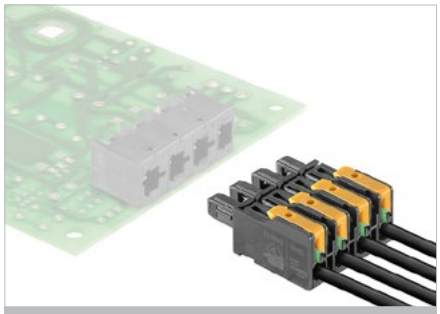
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078321
3	15.00	0.591	25	8000078322
4	22.50	0.886	19	8000078323
5	30.00	1.181	15	8000078324
6	37.50	1.476	12	8000078325
7	45.00	1.772	10	8000078326
8	52.50	2.067	9	8000078327

MPS 7S - straight



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm²
UL: 600 V / 18.5 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

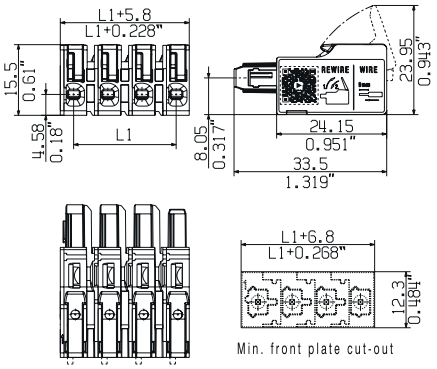
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. S TN B B

Box packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.34...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**34.6**		**30.7**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**1000**	**1000**
Rated impulse voltage	kV		8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**18.5**	**18.5**	**10**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

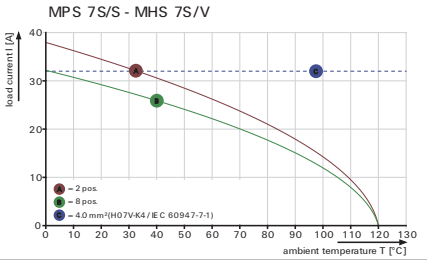
Solder pin length

Colour black

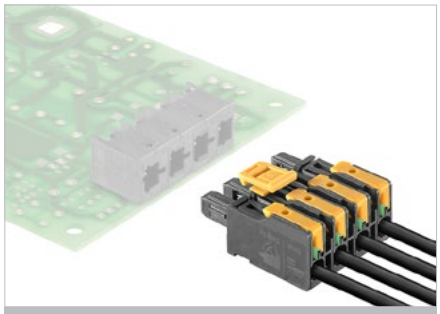
Pitch 7.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	138	8000078328
3	15.00	0.591	84	8000078329
4	22.50	0.886	66	8000078330
5	30.00	1.181	48	8000078331
6	37.50	1.476	42	8000078332
7	45.00	1.772	36	8000078333
8	52.50	2.067	30	8000078334

Representative deratings curve



MPS 7S - straight, top flange



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm²
UL: 600 V / 18.5 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

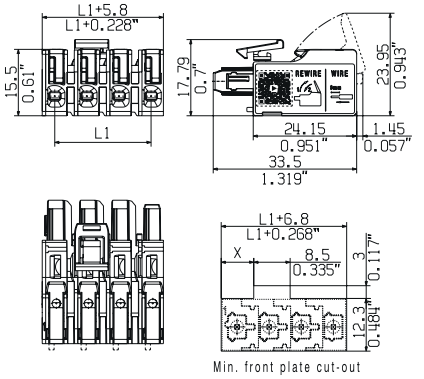
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. S F.. TN B B

Box packaging



Dimensioned drawing



Min. front plate cut-out

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.34...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**34.6**		**30.7**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**1000**	**1000**
Rated impulse voltage	kV		8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**18.5**	**18.5**	**10**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

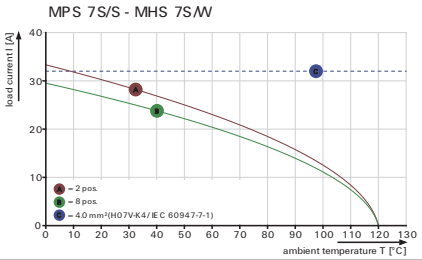
Solder pin length

Colour black

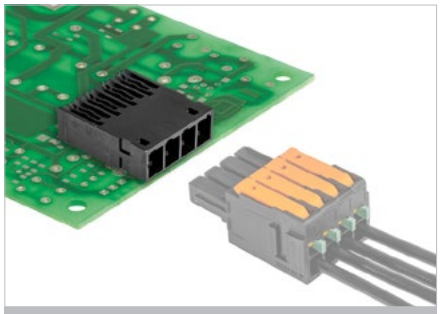
Pitch 7.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	138	8000078353
3	15.00	0.591	84	8000078354
4	22.50	0.886	66	8000078355
5	30.00	1.181	48	8000078356
6	37.50	1.476	42	8000078357
7	45.00	1.772	36	8000078358
8	52.50	2.067	30	8000078359

Representative deratings curve



MHS 6 - horizontal



Modular pin headers with a 6.35 mm pitch and 90° pin orientation, made from the high-performance material PA9T, which can be used for both reflow and wave soldering processes.

- 90° pin orientations relative to the horizontal PCB exit
- Suitable for reflow and wave soldering processes
- Complies with Moisture Level 1
- Engineering data (EDA) available with a single mouse click

Product data

IEC: 1000 V / 47.2 A
UL: 300 V / 26.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

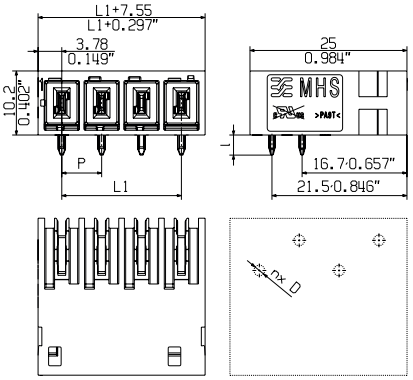
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 6/ .. H T3 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**47.2**		**42.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**800**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**600**
Rated current	**A**	**26.5**		**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.0		
Solder eyelet Ø = D	mm	1.7		
Solder eyelet Ø tolerance	mm	+ 0,1		

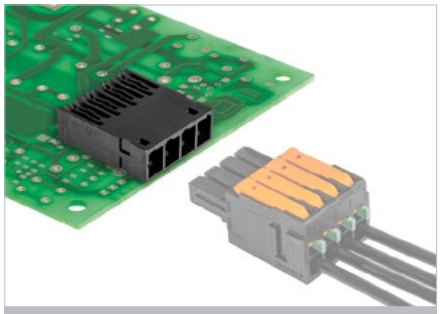
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**6.35 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	6.35	0.250	35	3106890000
3	12.70	0.500	24	3128900000
4	19.05	0.750	18	3106900000
5	25.40	1.000	15	3128910000
6	31.75	1.250	12	3128920000
7	38.10	1.500	10	3128930000
8	44.45	1.750	9	3106910000
9	50.80	2.000	8	3106920000

MHS 6 - vertikal



Modular pin headers with a 6.35 mm pitch and 180° pin orientation, made from the high-performance material PA9T, which can be used for both reflow and wave soldering processes.

- 180° pin orientations relative to the horizontal PCB exit
- Suitable for reflow and wave soldering processes
- Complies with Moisture Level 1
- Engineering data (EDA) available with a single mouse click

Product data

IEC: 1000 V / 47.2 A
UL: 300 V / 26.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

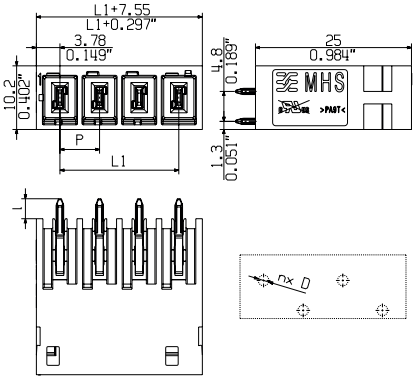
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 6/ .. V T3 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**47.2**		**42.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**800**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**600**
Rated current	**A**	**26.5**		**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.0		
Solder eyelet Ø = D	mm	1.7		
Solder eyelet Ø tolerance	mm	+ 0,1		

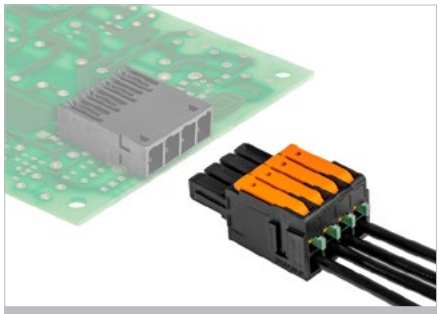
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**6.35 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	6.35	0.250	35	3106930000
3	12.70	0.500	24	3128940000
4	19.05	0.750	18	3106940000
5	25.40	1.000	15	3128950000
6	31.75	1.250	12	3128960000
7	38.10	1.500	10	3128970000
8	44.45	1.750	9	3106950000
9	50.80	2.000	8	3106960000

MPS 6 - straight



OMNIMATE® 4.0 signal connectors combine three innovations in a single product: the fastest connection technology, SNAP IN; a modular product design with flexible configuration options; and the fastest possible delivery.

- Exceptionally fast, secure, and tool-free wiring thanks to SNAP IN connection
- Visual and audible feedback when wiring is complete
- Tool-free operation thanks to a lever and top locking mechanism
- Custom color and text marking in the configurator

Product data

IEC: 1000 V / 47.2 A / 0.75 - 6 mm²
UL: 600 V / 26.5 A / AWG 20 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

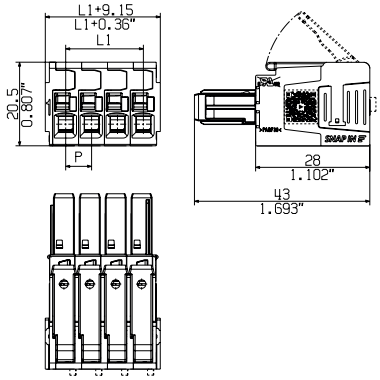
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 6/ .. S TN B B



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.75...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.75...6		
Flexible with ferrule	mm²	0.75...4		
Ferrule with plastic collar	mm²	0.5...4		
Stripping length	mm	11		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**47.2**		**42.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	V	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**26.5**	**26.5**	**5**
AWG conductor	**AWG**		**20-10**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

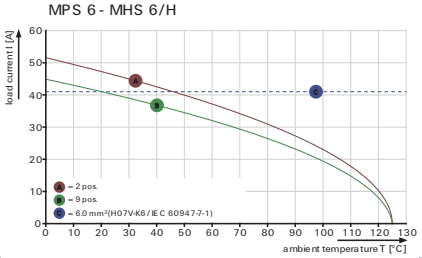
Solder pin length

Colour black

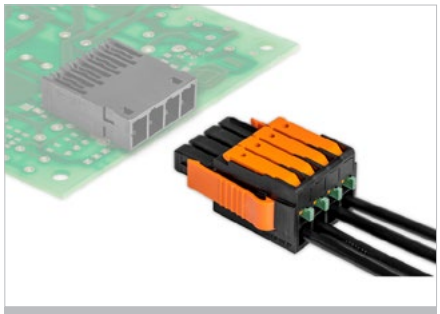
Pitch 6.35 mm

Pol.	L1	(inch)	Qty.	Order No.
2	6.35	0.250	128	3106830000
3	12.70	0.500	80	8000168132
4	19.05	0.750	64	3106840000
5	25.40	1.000	48	8000168133
6	31.75	1.250	48	8000168135
7	38.10	1.500	32	8000168136
8	44.45	1.750	32	8000168138
9	50.80	2.000	32	3106850000

Representative deratings curve



MPS 6 - straight, side flange



OMNIMATE 4.0® signal connectors combine three innovations in a single product: the fastest connection technology, SNAP IN; a modular product design with flexible configuration options; and the fastest possible delivery.

- Exceptionally fast, secure, and tool-free wiring thanks to SNAP IN connection
- Visual and audible feedback when wiring is complete
- Tool-free operation thanks to a lever and top locking mechanism
- Custom color and text marking in the configurator

Product data

IEC: 1000 V / 47.2 A / 0.75 - 6 mm²
UL: 600 V / 26.5 A / AWG 20 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

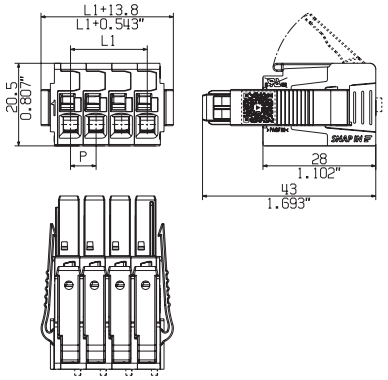
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 6 / .. S LF TN B B



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.75...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.75...6		
Flexible with ferrule	mm²	0.75...4		
Ferrule with plastic collar	mm²	0.5...4		
Stripping length	mm	11		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**47.2**		**42.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	V	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**26.5**	**26.5**	**5**
AWG conductor	**AWG**	**20-10**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

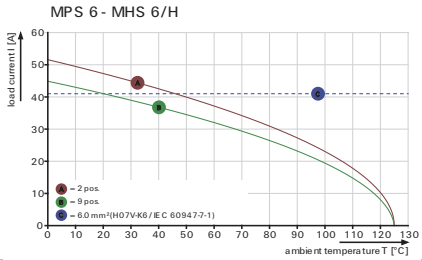
Solder pin length

Colour black

Pitch 6.35 mm

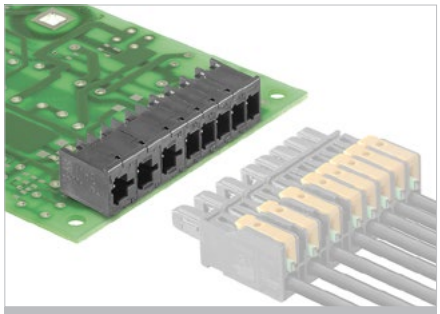
Pol.	L1	(inch)	Qty.	Order No.
2	6.35	0.250	96	3106860000
3	12.70	0.500	64	8000168328
4	19.05	0.750	48	3106870000
5	25.40	1.000	48	8000168329
6	31.75	1.250	32	8000168330
7	38.10	1.500	32	8000168331
8	44.45	1.750	32	3106880000

Representative deratings curve



Hybrid connectors with 7.50 mm and 5.00 mm pitch
Series MHS / MPS 7S/..-5/.. - SNAP IN connection up to 4 mm²

MHS 7S/.. -5/.. - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- 90° outgoing elbow for horizontal PCB outgoing
- Suitable for reflow and wave soldering processes
- Individual configurations with further outgoing directions in the configurator

Product data

IEC: 630 V / 30.4 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

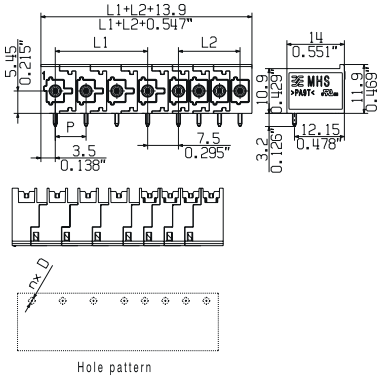
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MHS 7S/.. -5/.. H T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**30.4**		**27**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**18.5**	**18.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

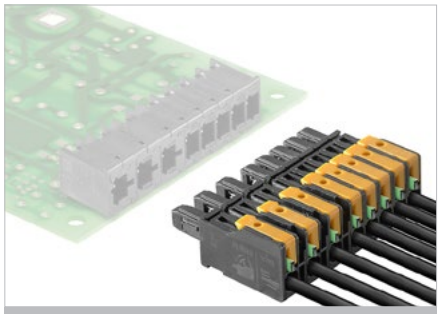
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length						3.2 mm
Colour						black
Pitch	**7.50 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4	7.50	0.295	5.00	0.197	20	8000078335
5	7.50	0.295	10.00	0.394	17	8000078338
5	15.00	0.591	5.00	0.197	16	8000078336
6	7.50	0.295	15.00	0.591	15	8000078341
6	15.00	0.591	10.00	0.394	14	8000078339
6	22.50	0.886	5.00	0.197	13	8000078337
7	15.00	0.591	15.00	0.591	12	8000078342
7	22.50	0.886	10.00	0.394	11	8000078340
8	22.50	0.886	15.00	0.591	10	8000078343

MPS 7S/.. -5/.. - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- Articularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Individual configurations with optional top locking incl. markings in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm²
UL: / 18.5 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

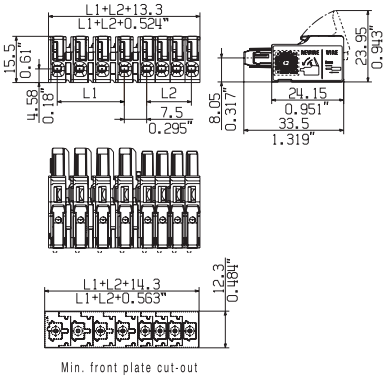
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. -5/.. S TN B

Box packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.34...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**34.6**		**30.7**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**		**1000**	**1000**
Rated impulse voltage	kV		8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current	**A**	**18.5**	**18.5**	**10**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

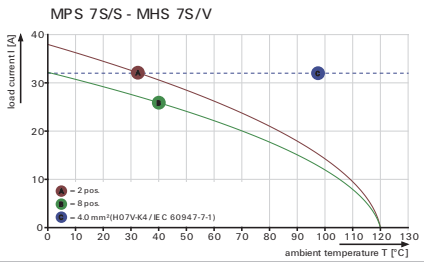
Solder pin length

Colour black

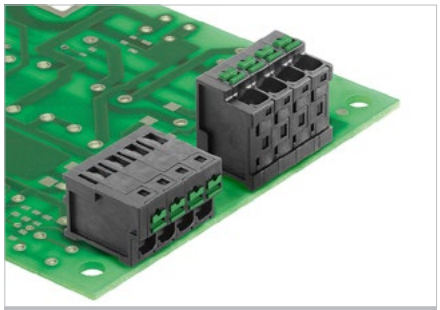
Pitch 7.50 mm

Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4	7.50	0.295	5.00	0.197	72	8000078344
5	7.50	0.295	10.00	0.394	60	8000078347
5	15.00	0.591	5.00	0.197	54	8000078345
6	7.50	0.295	15.00	0.591	48	8000078350
6	15.00	0.591	10.00	0.394	48	8000078348
6	22.50	0.886	5.00	0.197	42	8000078346
7	15.00	0.591	15.00	0.591	42	8000078351
7	22.50	0.886	10.00	0.394	36	8000078349
8	22.50	0.886	15.00	0.591	36	8000078352

Representative deratings curve



MTS 5 - horizontal



Compact PCB terminals from OMNIMATE 4.0 combine many innovations in one product and offer fast despatch within a few days thanks to the modular production concept.

- Particularly fast, safe and tool-free wiring wiring thanks to SNAP IN connection
- Ideal for fully automated wiring processes (ready-to-robot)
- Visual and acoustic feedback when wiring is complete
- Individual colour and font marking in the configurator

Product data

IEC: 400 V / 32 A / 0.5 - 4 mm²
UL: 300 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

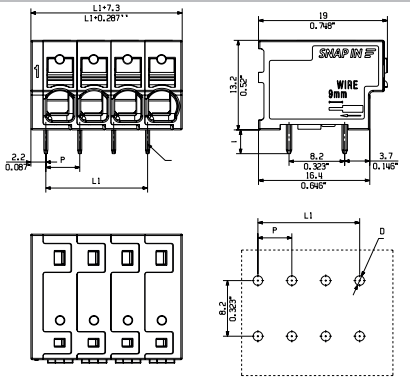
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- During transport, it may rarely occur that the clamping points are already closed. The products remain fully functional. To reactivate the SNAP IN function, please press the activation button.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MTS 5/.. H T4 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**400**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**		**20-12**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		20-12	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.6 x 0.8	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

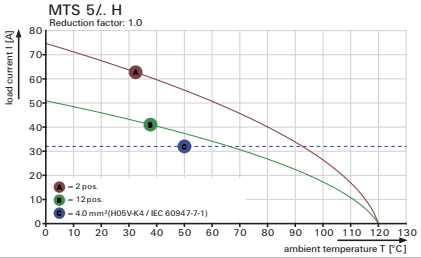
Accessories

Note: Refer to the Accessories chapter for additional accessories.

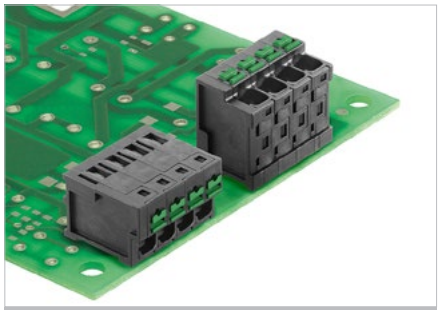
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	42	2913600000
3	10.00	0.394	30	2913610000
4	15.00	0.591	23	2913620000
5	20.00	0.787	19	2913630000
6	25.00	0.984	16	2913640000
7	30.00	1.181	14	2913650000
8	35.00	1.378	12	2913660000
9	40.00	1.575	11	2913670000
10	45.00	1.772	10	2913680000
11	50.00	1.969	9	2913690000
12	55.00	2.165	8	2913700000

Representative deratings curve



MTS 5 - vertical



Compact PCB terminals from OMNIMATE 4.0 combine many innovations in one product and offer fast despatch within a few days thanks to the modular production concept.

- Particularly fast, safe and tool-free wiring wiring thanks to SNAP IN connection
- Ideal for fully automated wiring processes (ready-to-robot)
- Visual and acoustic feedback when wiring is complete
- Individual colour and font marking in the configurator

Product data

IEC: 400 V / 32 A / 0.5 - 4 mm²
UL: 300 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

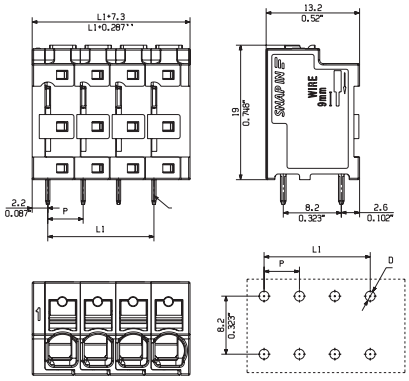
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- During transport, it may rarely occur that the clamping points are already closed. The products remain fully functional. To reactivate the SNAP IN function, please press the activation button.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MTS 5/.. V T4 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**400**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**		**20-12**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		20-12	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.6 x 0.8	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

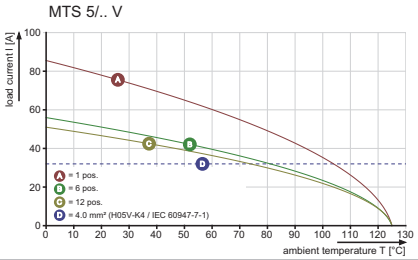
Accessories

Note: Refer to the Accessories chapter for additional accessories.

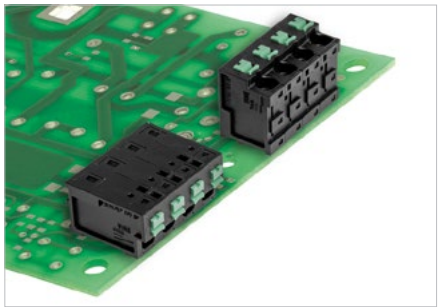
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	42	2913710000
3	10.00	0.394	30	2913720000
4	15.00	0.591	23	2913730000
5	20.00	0.787	19	2913740000
6	25.00	0.984	16	2913750000
7	30.00	1.181	14	2913760000
8	35.00	1.378	12	2913770000
9	40.00	1.575	11	2913780000
10	45.00	1.772	10	2913790000
11	50.00	1.969	9	2913800000
12	55.00	2.165	8	2913810000

Representative deratings curve



MTS 7S - horizontal



OMNIMATE 4.0® compact PCB terminals combine many innovations in a single product and, thanks to their modular manufacturing concept, offer fast shipping within just a few days.

- Exceptionally fast, secure, and tool-free wiring thanks to the SNAP IN connection
- Ideal for fully automated wiring processes (ready-to-robot)
- Visual and audible feedback upon successful wiring
- Custom color and text marking in the configurator

Product data

IEC: 1000 V / 32 A / 0.5 - 4 mm²
UL: 300 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

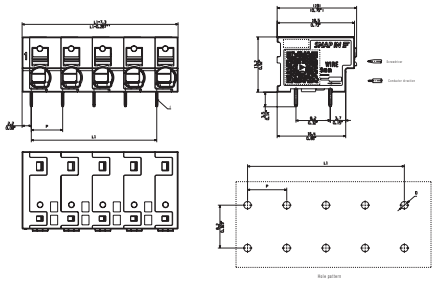
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- During transport, it may rarely occur that the clamping points are already closed. The products remain fully functional. To reactivate the SNAP IN function, please press the activation button.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MTS 7S/ .. H T4 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R		...4		
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**600**	**1000**
Rated impulse voltage	V	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	20-12		
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.6 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

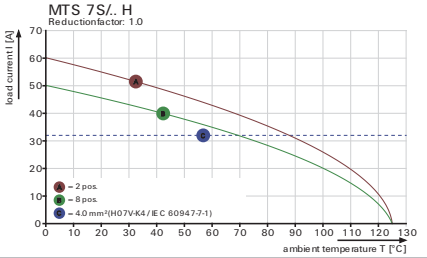
Accessories

Note: Refer to the Accessories chapter for additional accessories.

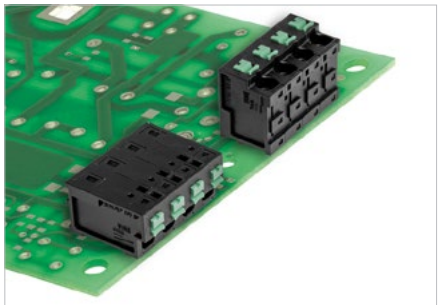
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	35	3124610000
3	15.00	0.591	23	3124620000
4	22.50	0.886	17	3124630000
5	30.00	1.181	14	3124640000
6	37.50	1.476	11	3124650000
7	45.00	1.772	10	3124660000
8	52.50	2.067	8	3124670000

Representative deratings curve



MTS 7S - vertical



OMNIMATE 4.0® compact PCB terminals combine many innovations in a single product and, thanks to their modular manufacturing concept, offer fast shipping within just a few days.

- Exceptionally fast, secure, and tool-free wiring thanks to the SNAP IN connection
- Ideal for fully automated wiring processes (ready-to-robot)
- Visual and audible feedback upon successful wiring
- Custom color and text marking in the configurator

Product data

IEC: 1000 V / 32 A / 0.5 - 4 mm²
UL: 300 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

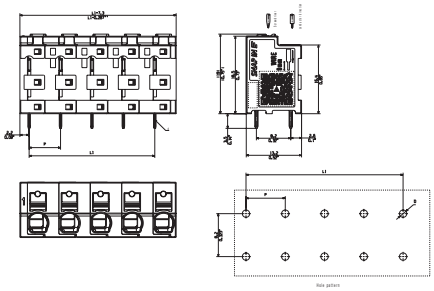
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- During transport, it may rarely occur that the clamping points are already closed. The products remain fully functional. To reactivate the SNAP IN function, please press the activation button.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MTS 7S/ .. V T4 B T



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R		...4		
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**600**	**1000**
Rated impulse voltage	V	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	20-12		
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.6 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

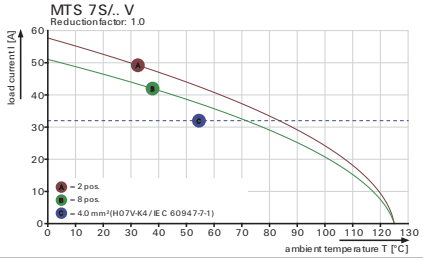
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	35	3124680000
3	15.00	0.591	23	3124690000
4	22.50	0.886	17	3124700000
5	30.00	1.181	14	3124710000
6	37.50	1.476	11	3124720000
7	45.00	1.772	10	3124730000
8	52.50	2.067	8	3124740000

Representative deratings curve



OMNIMATE® Data – Single Pair Ethernet (SPE)

OMNIMATE® Data – SPE	Overview	C.2
	Connection components	C.14

Single Pair Ethernet
New SPE Connectivity for Industry

In the factory of the future, machines and systems will be seamlessly connected through a data infrastructure. These cyber-physical systems can operate autonomously within the Industrial Internet of Things (IIoT), communicate in real time, and control production processes. To enable this, an end-to-end network with high-performance data connections from the sensor to the cloud is required. This pushes conventional communication systems to their limits.

Single Pair Ethernet (SPE) extends Ethernet technology all the way to the sensor level. SPE is compact, flexible, and enables long transmission distances. It allows the expansion of existing installations and supports seamless communication based on the Ethernet protocol. For Weidmüller, SPE is therefore the missing building block for closing today's gap between the standard Ethernet network and the field level.

SPE does not define new transmission speeds through its two-wire technology. Instead, it provides the standardized framework for application-specific, simplified Ethernet cabling using data cables up to 1,000 m in length. Together with technologies such as TSN, OPC UA, PROFINET over SPE, and EtherNet/IP, SPE enables both continuous IP communication between servers and the cloud as well as power transmission in complex IIoT solutions.



SPE Single Pair Ethernet Association

The Single Pair Ethernet Association emerged from the merger of the former Single Pair Ethernet System Alliance and the SPE Industrial Partner Network. As an open association, it brings together leading technology companies and scientific institutions from various industries and fields of application.
Manufacturers of sensors, cables, connectors, measuring devices, semiconductors, switches and end devices are working together to establish SPE solutions for a broad range of applications.

New, uniform SPE connector face

A new standard for all applications

The user organization PROFIBUS & PROFINET International (PI), in which electrical connectivity expert Weidmüller is actively involved as one of more than 1,800 members, has established a unified mating face for Single Pair Ethernet (SPE) based on key application requirements. Through its core technologies such as IO-Link and PROFINET, PI is responsible for the development of market-leading, open standards for all areas of industrial production. By agreeing on a unified mating face for PROFINET over SPE, the industry is now taking a decisive step toward the future.

The new SPE connector system is defined in IEC 63171-7 ED2 and provides a unified mating face for applications in control cabinets, in the field, and for hybrid installations. As a result, this standard is increasingly becoming the key connector standard for Single Pair Ethernet in industrial automation and beyond. It defines a unified mating face for IP20, M8, M12, and M12 hybrid applications and has already been adopted as a reference in IEC 61158-2-100 for Ethernet SPE and Ethernet-APL. In addition, it is referenced in other important industrial communication standards, including IEC 61784-1, IEC 61784-2, IEC 61784-5, as well as the PROFINET installation guideline.

IEC 63171-7 ED2 therefore provides the foundation for vendor-independent interoperability and a globally standardized SPE infrastructure. As a key driver of this technology, Weidmüller will expand its product portfolio with solutions featuring the new mating face.



First products compliant with IEC 63171-7 Ed.2 available after publication of the standard

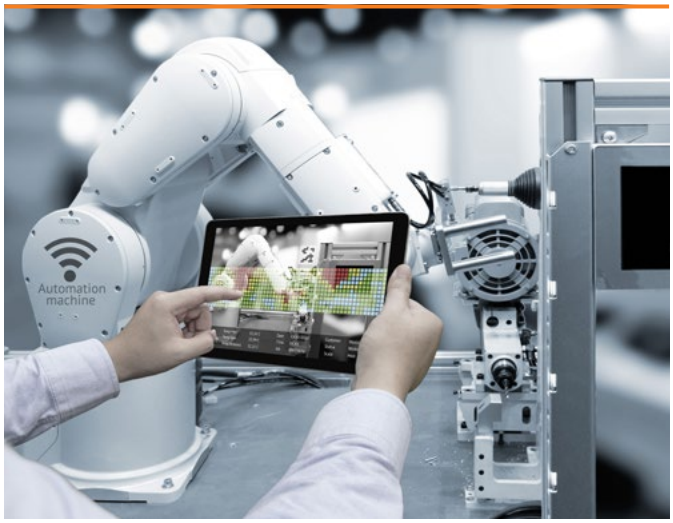
Versatile use in different applications
SPE applications in practice

SPE solutions are particularly well suited for infrastructures in machinery and plant engineering, process industries, and building infrastructure. In other words, wherever data must be transmitted seamlessly over longer distances. Field devices, sensors, and actuators can be integrated directly into an existing Ethernet environment using SPE, without the need for additional gateways or interfaces.

Examples of SPE applications in buildings:
- Building automation systems
- Lighting systems
- Elevator and escalator control systems
- Monitoring systems
- Access control systems
- Safety and fire alarm systems

Examples of industrial applications:
- Industrial automation
- Process automation
- Robotics
- Machinery and plant engineering
- Material handling
- Quality control
- Agricultural machinery technology

Factory Automation



Building Infrastructure



Process Automation



Intrinsically safe process industry with Ethernet-APL



New SPE Connectivity for Industry

A Standardized Connector System for PROFINET over SPE

Unified SPE mating face according to IEC 63171-7
The harmonized mating face for IP20, M8, M12, and M12 hybrid applications unlocks all the benefits of Single Pair Ethernet: interoperability, vendor independence, and future readiness. It reduces planning risks, simplifies integration, and accelerates deployment. Start planning today with Weidmüller as your trusted partner.

The standard for PROFINET over SPE – supported across the industry
For PROFINET over SPE, the mating face specified in IEC 63171-7 Ed.2 has already been defined as the standard in the applicable guidelines. This provides clear guidance for device and machine manufacturers. At the same time, PI, ODVA, the OPC Foundation, and FieldComm Group are driving consistent SPE standardization in a joint working group, including PoDL power classes and suitable connector systems, to ensure interoperable, vendor-independent solutions from the field level to IT systems.

Universal connectivity – integration into the IEC 61158 series
The integration of SPE into the IEC 61158 series is underway. As a result, the mating face is being universally adopted in future fieldbus specifications and is becoming increasingly important for all user organizations, including PROFINET International, ODVA, the OPC Foundation, and FieldComm Group.



The new standard for high demands
Single Pair Ethernet connectors for the industry

Single Pair Ethernet (SPE) connections can transmit both data and power over a single twisted pair. This enables seamless IP communication from the server to the cloud, while also providing power delivery for complex IIoT solutions. As a result, SPE connectors offer an efficient and future-oriented connectivity solution.

Market requirements for data connectors at the field level include:
- Ultra-compact design for the implementation of IIoT devices
- High robustness for use in industrial environments
- Simple connectivity for safe and fast installation
- Future-proof design based on international standards

Advantages of SPE connectors at a glance:

Miniaturisation

Industrial suitability



Simplicity

Future-proof

Particularly compact

Miniaturisation of Single Pair Ethernet connectors according to IEC 63171-7

Weidmuller has been developing user-friendly connectors for industrial use, according to IEC63171-2. With a pitch of 7.62mm the compact connector system saves up to 50% space in comparison to RJ45 interfaces. The vertical arrangement of the two contacts allows a very high packing density. This enables device manufacturers to save valuable space on the PCB and to build smaller devices. This reduces port costs in device construction and effectively saves space in the control cabinet.

Compact Mating Face
- Market-leading compact SPE mating face

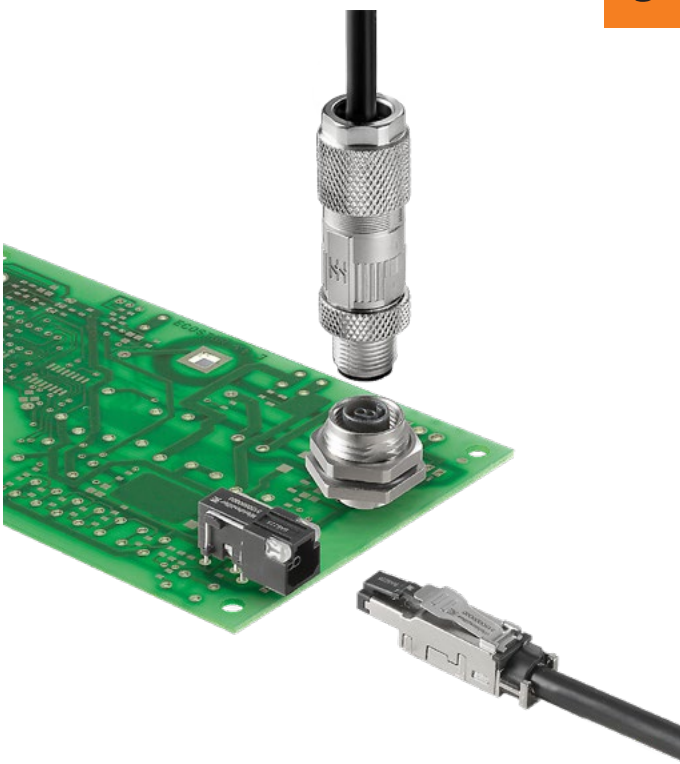
High Port Density
- More compact PCB integration thanks to the smaller mating face
- More interfaces within the same device footprint
- 33% less PCB area compared to a standard RJ45 jack
- Only 67% of the area required by a standard RJ45 enables more ports per PCB
- Minimal space requirements inside the device
- Simplified PCB layout
- Only two signal conductors instead of four pairs reduce routing complexity
- Compact design enables flexible module and device configurations
- Reduced material consumption



Made for highest demands

The industrial suitability of Single Pair Ethernet connectors

The development of SPE technology was driven by the automotive industry. The original driver behind the development of Single Pair Ethernet (SPE) technology was the automotive industry. The goal was to create highly efficient cabling infrastructures. In the future, all industrial sectors can benefit from the SPE standard. Weidmüller SPE connectors are particularly robust and vibrationresistant. They are highly immune to electromagnetic interference and have been specifically designed to meet the demanding requirements of industrial applications.



Mechanical Robustness

- Robust metal housing with metal locking latch
- Reliable industrial dual-contact design compared to the single-contact design of RJ45
- Shock-resistant and vibration-resistant according to IEC 60068
- Secure locking mechanism under lateral forces

EMC Compatibility

- Coupling attenuation at 600 MHz according to IEEE 802.3
- Optimized shield connection to the PCB through four symmetrical contact legs
- Additional burst testing according to IEC 61000-6-2

Industrial suitability

- PCB connectors for environments up to Pollution Degree 2
- Impulse voltage withstand capability of 2.25 kV according to IEEE 802.3
- Optimized contact spacing for 100-ohm systems
- The SPE mating face according to IEC 63171-7 ED2 provides compact solutions for Single Pair Ethernet (SPE) applications. It saves up to 33% installation space compared to RJ45 interfaces. This enables device manufacturers to reduce the required PCB space and design more compact devices. As a result, port costs can be reduced and valuable cabinet space can be used more efficiently.

Easy to use
Ease of Use of Single Pair Ethernet Connectors

Ethernet technology is too complex for many industrial applications. Thanks to their simplicity, Single Pair Ethernet (SPE) components offer significant advantages. Compared to four-pair Ethernet, installation is easier and enables substantial reductions in both space and weight. In addition, SPE connectors support robust cabling in a short amount of time while providing long transmission distances in an extremely compact form factor.



Proven Locking Mechanism
- Industrial-grade plugs and sockets with metal latch locking mechanism
- Familiar locking and unlocking mechanism based on the RJ45 standard
- High retention force (> 50 N)



Tool-Free Connection
- Proven IDC termination technology
- Easy assembly thanks to the two-piece connector design
- Clear color coding to prevent wiring errors
- Suitable for all commercially available SPE cables





Ready for the challenges of tomorrow
Future-Proof Design of SPE Connectors

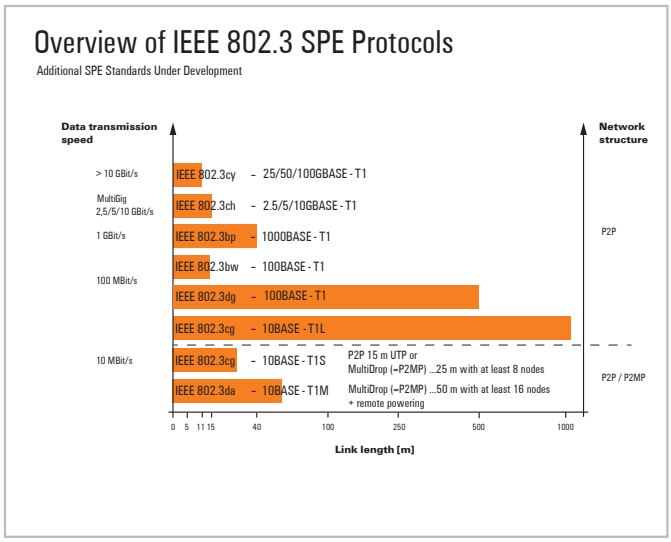
SPE Is the Next Milestone in Networking Technology. SPE enables seamless intelligent connectivity across all levels of automation. It is scalable, deterministic, and fully compatible, allowing all components to communicate with one another. As a key enabling technology for Industry 4.0 and IIoT applications, it will form the foundation for a wide range of industrial applications in the future.

Broad Industry Support

The SPE product family is already supported by several leading connector manufacturers. In addition, partnerships have been established with leading technology companies from various markets and application areas that have joined forces in the Single Pair Ethernet System Alliance. This ensures broad technological expertise that will provide long-term benefits for all users.

Suitable for Low to High Data Rates

The compact SPE interface is suitable for a wide range of Ethernet applications with data rates from 10 Mbit/s to 1 Gbit/s. Simulations have confirmed bandwidths of up to 2.5 GHz, corresponding to the new IEEE 802.3ch Ethernet transmission standard, which is being developed for data rates of up to 10 Gbit/s.





Single Pair Ethernet Solutions acc. to IEC 63171-7
Ordering data

Connecting components

	Type	Versions	Qty.	Order No.
	IE-PS-SP0-S-FH-2-180	Field attachable plug IP20, Male	1	**3150000000**
	IE-PS-MSPE-P-FH	Field attachable SPE plug M12, IP67, Male	1	**3239620000**

Note:

PCB components

	Type	Versions	Qty.	Order No.
	SPE P20 R1H 2.1 6 N/N TU	PCB connector, IP20, 90°, THR, female contact, Tube	62	**3150600000**
	SPE P20 R1H 2.1 6 N/N RL	PCB connector, IP20, 90°, THR, female contact, Tape-on-Reel	100	**3234500000**
	SPE P20 R1H 2.1 6 YG/YG TU	PCB connector, IP20, 90°, LED, THR, female contact, Tube	62	**3150590000**
	SPE P20 R1H 2.1 6 YG/YG RL	PCB connector, IP20, 90°, LED, THR, female contact, Tape-on-Reel	100	**3234510000**
	SPE M12F DD RV 2.0 6 TY	PCB connector, Dome, M12, IP67, 180°, THR, female contact, Tray	10	**3180870000**
	SPE M12F DC BPM16 RV 2.0 6 TY	M12 PCB connector, IP67, rear panel mounting, 180°, THR, female contact, Tray	10	**3228140000**
	SPE M12F DC FPM16 RV 2.0 6 TY	M12 PCB connector, IP67, rear panel mounting, 180°, THR, female contact, Tray	10	**3228130000**
	LM SPE 5.08/02/135 3.5SN OR BX	PCB terminal, 5.08 mm, number of poles: 2, 135°, clamping yoke	500	**3089370000**
	LM SPE 5.08/03/135 3.5SN OR BX	PCB terminal block, 5.08 mm, number of poles: 3, 135°, clamping yoke	500	**3089380000**
	LSF-SMT SPE 3.50/02/135 3.5SN BK TU	PCB terminal, 3.50 mm, number of poles: 2, 135°, PUSH IN	71	**3077550000**
	LSF-SMT SPE 3.50/03/135 3.5SN BK TU	PCB terminal, 3.50 mm, number of poles: 3, 135°, PUSH IN	49	**3077560000**
	LSF-SMT SPE 5.00/02/135 3.5SN BK TU	PCB terminal, 5.00 mm, number of poles: 2, 135°, PUSH IN	60	**3077570000**
	LSF-SMT SPE 5.00/03/135 3.5SN BK TU	PCB terminal, 5.00 mm, number of poles: 3, 135°, PUSH IN	39	**3077630000**
	MTS SPE 5/02 H T4 B T	PCB terminal, 5.00 mm, number of poles: 2, 90°, SNAP IN	44	**3095900000**
	MTS SPE 5/03 H T4 B T	PCB terminal, 5.00 mm, number of poles: 3, 90°, SNAP IN	31	**3095910000**
	MTS SPE 5/02 V T4 B T	PCB terminal, 5.00 mm, number of poles: 2, 180°, SNAP IN	44	**3095920000**
	MTS SPE 5/03 V T4 B T	PCB terminal, 5.00 mm, number of poles: 3, 180°, SNAP IN	31	**3095980000**

Note:

Plug

- Only one pair of wires for data and power
- Multi-port capable
- IP20
- in accordance with IEC 63171-7 ED2

Field-terminated plug IP20

Male contact



Technical data

Category	T1-B
Protection degree	IP20
Transmission rate	10/100 MBit/s, 100 MBit/s
Ambient temperature (operational)	-25…85 °C
Plugging cycles	750
Housing main material	zinc diecast nickel-plated
Contact material	Bronze tin-plated
Contact surface	Gold-plated
Nominal current	
Connection diameter, flexible, min. / max.	…
Connection cross-section, flexible, min. / max.	AWG 26…AWG 22
Connection diameter, solid, min. / max.	…
Connection cross-section, solid, min. / max.	…
Sheath diameter, min. / max.	3.6…5.5 mm
Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.6 mm
Insulation resistance	≥ 500 MΩ
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg
Dielectric strength, contact / contact	≥ 1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-7
UL 94 flammability rating	V-0

Note

Ordering data

Plug	Type	Qty.	Order No.
field-terminated plug	IE-PS-SP0-S-FH-2-180	1	3150000000

Note

Accessories

Type	Qty.	Order No.

Note

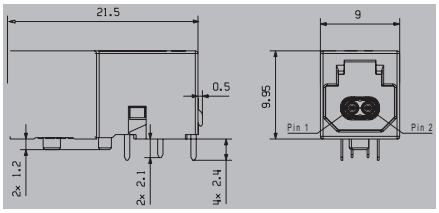
PCB socket IP20

- Integrated shielding
- Only one pair of wires for data and power
- Multi-port capable
- Robust locking mechanism
- Shock and vibration proof
- Most compact design

Socket, 90°

Female contact

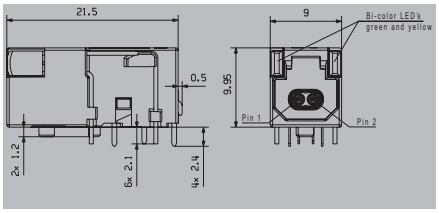




Socket, 90°, incl. LED

Female contact





Technical data

Category	CAT B (ISO/IEC 63171)	CAT B (ISO/IEC 63171)
Protection degree	IP20	IP20
Ambient temperature (operational)	-40...85 °C	-40...85 °C
Transmission rate	10/100/1000 MBit/s	10/100/1000 MBit/s
Type of connection	Solder connection	Solder connection
Outgoing elbow	90°	90°
Number of poles	2	2
Mounting onto the PCB	THT/THR solder connection	THT/THR solder connection
Plugging cycles	750	750
Contact material	Cu-alloy	Cu-alloy
Contact surface	Ni/Au	Ni/Au
Nominal voltage	72 V	72 V
Rated current		
Insulation resistance	≥ 500 MΩ	≥ 500 MΩ
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg	PoDL acc. to IEEE 802.3bu / cg
Dielectric strength, contact / contact	1000 V DC	1000 V DC
Dielectric strength, contact / shield	2250 V DC	2250 V DC
Connector standard	IEC 63171-7 ED2	IEC 63171-7 ED2
UL 94 flammability rating	V-0	V-0
Note		

Ordering data

	Type	Qty.	Order No.
PCB connector, IP20, socket contact, tube	SPE P20 R1H 2.1 6 N/N TU	62	**3150600000**
PCB connector, IP20, socket contact, tape-on-reel	SPE P20 R1H 2.1 6 N/N RL	100	**3234500000**

	Type	Qty.	Order No.
PCB connector, IP20, socket contact, tube	SPE P20 R1H 2.1 6 YG/YG TU	62	**3150590000**
PCB connector, IP20, socket contact, tape-on-reel	SPE P20 R1H 2.1 6 YG/YG RL	100	**3234510000**

Note

Accessories

Type	Qty.	Order No.

Type	Qty.	Order No.

Note

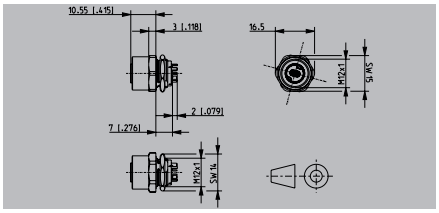
PCB socket, panel mount

- One-piece design with fixing flange
- 180° (vertical)
- Shield contacts integrated
- Only one pair of wires for data and power
- Shock and vibration proof
- Most compact design

M12 socket, front panel mounting

Female contact

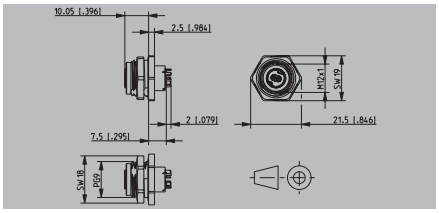




M12 socket, rear panel mounting

Female contact





Technical data

Category	T1-B	T1-B
Ambient temperature (operational)	-40...85 °C	-40...85 °C
Protection degree	IP67 with housing	IP67 with housing
Pollution severity		
Connection thread		
Number of poles	2	2
Type of connection	Socket connector	Socket connector
Outgoing elbow	180°	180°
Contact material	CuZn	CuZn
Contact surface	Ni/Au	Ni/Au
Contact carrier material	PA	PA
Operational voltage range	≤ 50 V AC, ≤ 60 V DC	≤ 50 V AC, ≤ 60 V DC
Rated current		
Insulation resistance	≥ 100 MΩ	≥ 100 MΩ
Dielectric strength, contact / contact	1000 V DC	1000 V DC
Dielectric strength, contact / shield	2250 V DC	2250 V DC
Connector standard	IEC 63171-7 ED2	IEC 63171-7 ED2
UL 94 flammability rating	V-0	V-0
Note		

Ordering data

	Type	Qty.	Order No.
Tray	SPE M12F DC FPM16 RV 2.0 6 TY	1000	3228130000
Note			

	Type	Qty.	Order No.
	SPE M12F DC BPM16 RV 2.0 6 TY	1000	3228140000

Accessories

Type	Qty.	Order No.

Type	Qty.	Order No.

Note

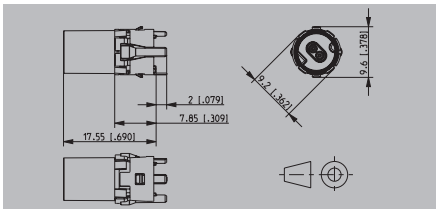
PCB socket insert IP67

- Without fixing flange
- 180° (vertical)
- Shield contacts integrated
- Only one pair of wires for data and power
- Shock and vibration proof
- Most compact design

M12 socket

Female contact





Technical data

Category	T1-B
Ambient temperature (operational)	-40...85 °C
Protection degree	IP67 with housing
Pollution severity	
Connection thread	
Number of poles	2
Type of connection	Socket connector
Outgoing elbow	180°
Contact material	CuZn
Contact surface	Ni/Au
Contact carrier material	PA
Operational voltage range	≤ 50 V AC, ≤ 60 V DC
Rated current	
Insulation resistance	≥ 100 MΩ
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-7 ED2
UL 94 flammability rating	V-0

Note

Ordering data

	Type	Qty.	Order No.
THR, Tape-on-Reel	SPE M12F DD RV 2.0 6 TY	10	3180870000

Note

Accessories

Type	Qty.	Order No.

Note

OMNIMATE® Data – RJ45

OMNIMATE® Data – RJ45	Explanation	D.2
	RJ45 modular jacks – Quick selection	D.4
	RJ45 modular jacks for SMT soldering process	D.6
	RJ45 modular jacks for THR soldering process	D.12
	RJ45 modular jacks for wave soldering process	D.18
	RJ45 transformer jacks – Quick selection	D.24
	RJ45 transformer jacks for SMT soldering process	D.26
	RJ45 transformer jacks for THR soldering process	D.28
	RJ45 transformer jacks for wave soldering process	D.34

OMNIMATE® Data RJ45 PCB jacks

The future-proof transmission solution in the industrial environment

A wide variety of PCB jacks are needed for the data transmission in Industrial Ethernet environment. Trends in technology, like the shift from fieldbus to Industrial Ethernet, demand an increasing number of designs of RJ45 PCB jacks to enable adaptation to individual housing design.

RJ45 components from Weidmüller ensure a reliable transmission with high data rates of up to 10 Gbps and provide sufficient safety reserves. With diverse variants, such as for THT, THR or SMT soldering methods, the PCB sockets are suitable for all common methods of circuit board assembly. The shielded technology also allows its use in products for harsh and electromagnetically noisy environments.

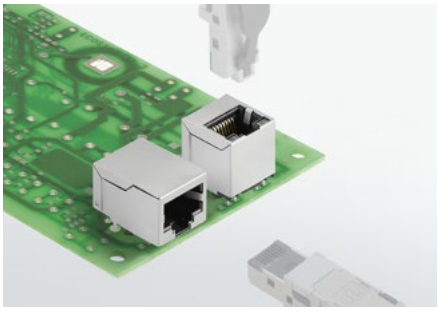


Improves corrosion protection, reduces contact problems
Reinforced gold layer (30µ") for high durability (≥750cyles)

Trouble-free PCB assembly
Due to shorter solder pins with chamfered tips; SMT, THR or THT soldering technology; Tape on Reel or assembly by hand (Tray)

Equipped for the future
For data transmission rates
up to 10 Gbit/s

Optimum adaptation to various housing formats
90° and 180° outlet directions
With and without LEDs and shield tabs

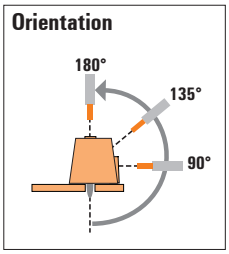


Best possible wetting properties and soldering result
by min. 0.3mm stand-off and tinned ground pins



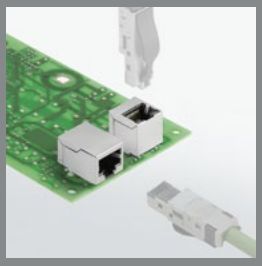


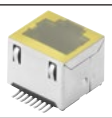
www.weidmueller.com/omnimate



RJ45 modular jacks

- Shielded
- Contact surface: 30µ" Au
- Temperature range:
–40 °C to +85 °C



Mounting onto the PCB	Reference picture	Outgoing elbow/ Latch option	Shield tabs	LED (left/right)	Performance category
SMT-soldering process		180° vertical	No	No	Cat.5
			Yes	No	Cat.5
		90° horizontal/latch down	No	No	Cat.5
			No	No	Cat.5
		90° horizontal/latch up	No	No	Cat.5
			Yes	G/Y	Cat.5
			Yes	No	Cat.5
THR-soldering process		180° vertical	No	G/Y	Cat.5
			Nein	G/Y	Cat.5
			No	No	Cat.5
		90° horizontal/latch down	Yes	G/Y	Cat.5
			Yes	G/Y	Cat.5
			Yes	No	Cat.5
		90° horizontal/latch up	Yes	No	Cat.5
			No	No	Cat.5
			No	G/Y	Cat.5
Wave soldering process		180°/vertical	No	G/Y	Cat.5
			No	No	Cat.5
			No	No	Cat.5
		90°/latch down	No	No	Cat.5
			Yes	G/Y	Cat.5
			Yes	No	Cat.5
		90°/latch up	No	No	Cat.6
			No	No	Cat.5
			Yes	G/Y	Cat.5
			Yes	No	Cat.5

Note:
*1 Solder pin - shield THR
*2 Solder pin - shield SMT
*3 Solder pin - shield front

Packaging	Order No.	Type
Tape	**1433900000**	RJ45C3 S1V 2.7N4N RL
Tape	**2514600000**	RJ45C3 S1V 2.7E4N RL
Tape	**2000890000**	RJ45C3 S1D 2.7N4N RL*1
Tape	**1433890000**	RJ45C3 S1D 2.7N4N RL*2
Tape	**1455220000**	RJ45C3 S1U 0.9N4N RL
Tape	**2562890000**	RJ45C3 S1U DE4G/Y RL
Tape	**2562940000**	RJ45C3 S1U DE4N RL
Tray	**2516380000**	RJ45C5 R1V 3.2N4G/Y TY
Tape	**2745360000**	RJ45C5 R1V 3.2N4G/Y RL
Tape	**2562970000**	RJ45C5 R1V 3.2N4N RL
Tape	**2562870000**	RJ45C5 R1D 3.2E4G/Y RL
Tape	**3139090000**	RJ45C5 R1D 1.9E4G/Y RL
Tape	**2562910000**	RJ45C5 R1D 3.3E4N RL
Tape	**2562930000**	RJ45C5 R1U 2.8E4N RL
Tape	**3066290000**	RJ45C5 R1U 2.2N4N RL
Tape	**2562950000**	RJ45C5 R1U 2.8N4G/Y RL
Tray	**2562960000**	RJ45C5 T1V 3.2N4G/Y TY
Tray	**2436450000**	RJ45C5 T1V 4.0N4N TY
Tray	**1433810000**	RJ45C5 T1V 3.2N4N TY*3
Tray	**1433800000**	RJ45C5 T1D 3.2N4N TY
Tray	**2562820000**	RJ45C5 T1D 3.2E4G/Y TY
Tray	**2562900000**	RJ45C5 T1D 3.3E4N TY
Tray	**1433910000**	RJ45C6 T1U 2.7N4N TY
Tray	**1455240000**	RJ45C5 T1U 2.8N4N TY
Tray	**2562880000**	RJ45C5 T1U 2.8E4G/Y TY
Tray	**2562920000**	RJ45C5 T1U 2.8E4N TY

RJ45	G1	R	1	U	3.2	E	4	GY/GY	TY

Performance Category

C5	Category 5
C6	Category 6
C6A	Category 6A
C5e	Category 5e
M	10/100 Mbit
G1	10/100/1000 Mbit
G10	10 Gbit
U	Unshielded
MP	10/100 Mbit with POE
MP+	10/100 Mbit with POE+

Assembly on PCB

R	Through Hole Reflow – THR Soldering process: Wave or Reflow soldering
S	Surface Mount Technology – SMT Soldering process: Reflow soldering
T	Through Hole Technology – THT Soldering process: Wave

Number of Ports

1	1 Port
12; 14; ...	multi ports side by side, Multiport
21; 41; ...	multi ports about each other, Multilevel

Direction, latch style

U	Horizontal (90°, side entry), latch up
D	Horizontal (90°, side entry), latch down
V	Vertical (180°, top entry)
Y	Diagonal (45°), latch up

Solder Pin length

3.2	3.2 mm
1.6	1.6 mm
D	SMD

EMI tabs (ground fingers)

E	E = with EMI tabs
N	N = without EMI tabs

Contact surface thickness

4	1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"

LED

Y/G	Yellow/Green
G/Y	Green/Yellow (standard)
GY/GY	Green-Yellow/Green-Yellow
O/G	Orange/Green
R/O	Red/Orange
...	... (further combinations possible)
N	without LED

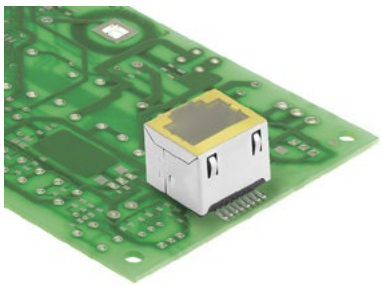
Packaging

TY	Tray in box (manual assembly)
RL	Tape on Reel (automated assembly)

RJ45 modular jacks
for SMT soldering process

1x1 port, 180° (vertical)

For additional articles and information, refer to
eshop.weidmueller.com



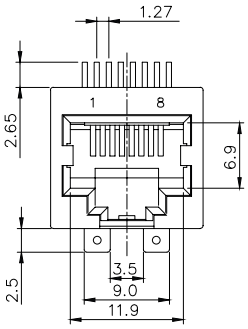
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

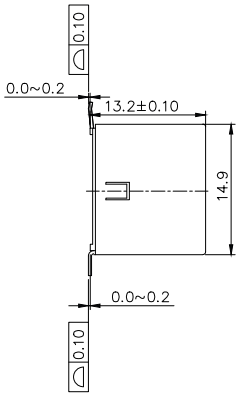
Technical data

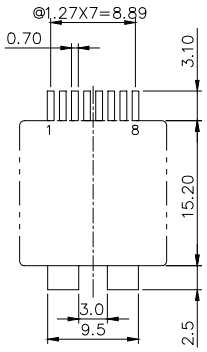
Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





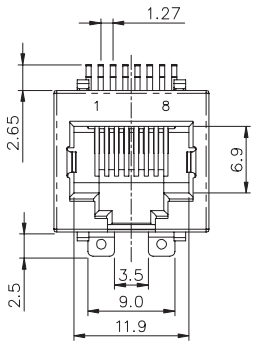


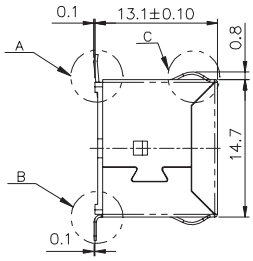


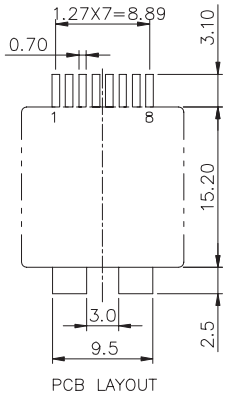
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1V 2.7N4N RL	SMD solder connection		none	No	Cat. 5	Tape	300	**1433900000**
Other versions on request								









Ordering data

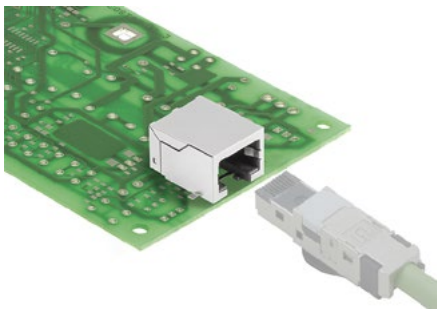
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1V 2.7E4N RL	SMD solder connection		4 tabs	No	Cat. 5	Tape	300	**2514600000**

D

RJ45 modular jacks
for SMT soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to
eshop.weidmueller.com



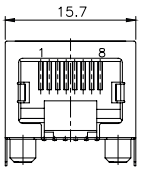
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: –40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

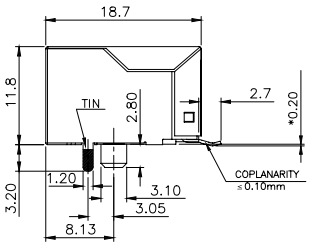
Technical data

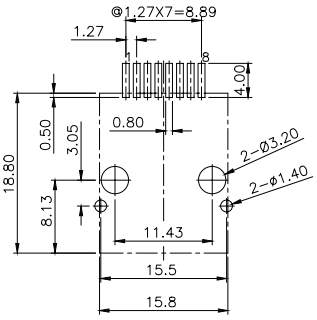
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





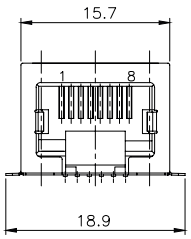


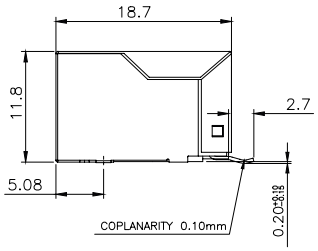


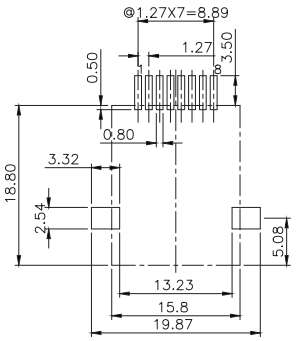
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1D 2.7N4N RL	SMD solder connection	bottom	none	No	Cat. 5	Tape	240	**2000890000**









Recommended PCB
Layout (Top side)

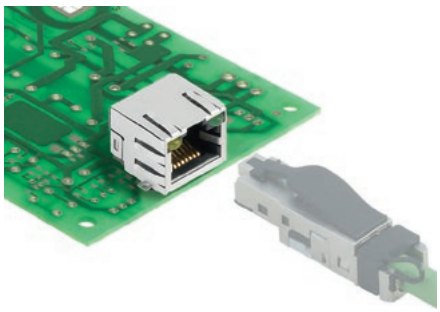
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1D 2.7N4N RL	SMD solder connection	bottom	none	No	Cat. 5	Tape	260	**1433890000**
Other versions on request								

RJ45 modular jacks
for SMT soldering process

1x1 port, 90° (horizontal) latch up

For additional articles and information, refer to eshop.weidmueller.com



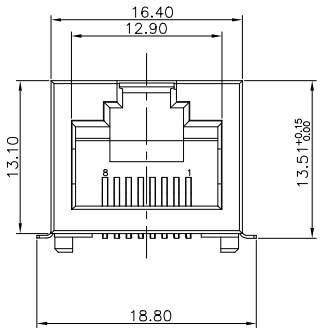
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: –40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

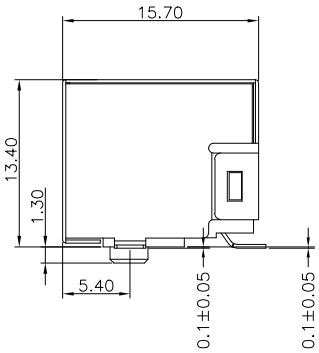
Technical data

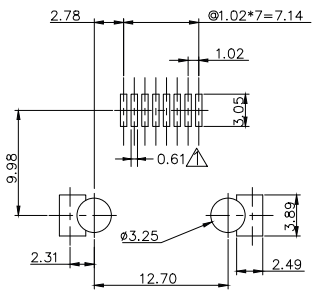
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





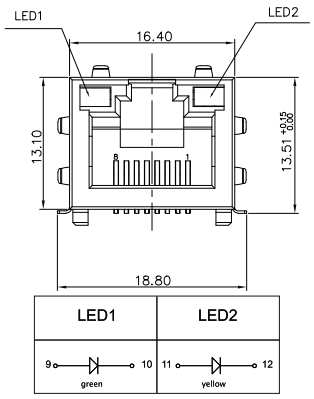


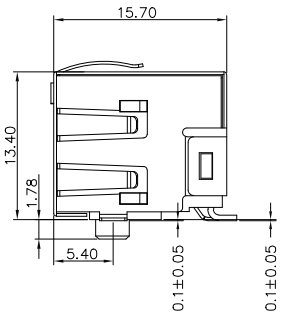


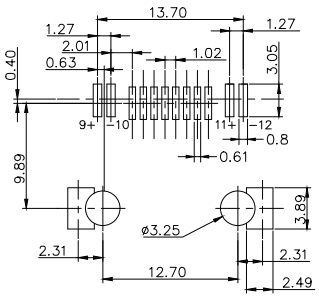
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U 0.9N4N RL	SMD solder connection	top	none	No	Cat. 5e	Tape	200	**1455220000**
Other versions on request								





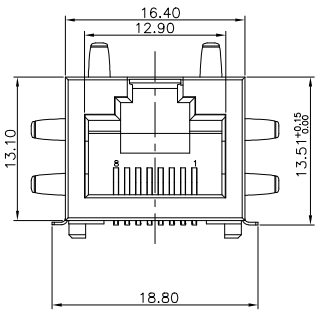


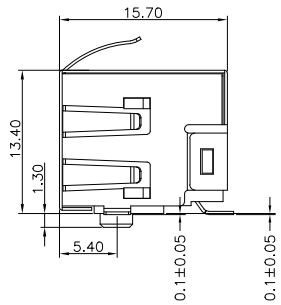


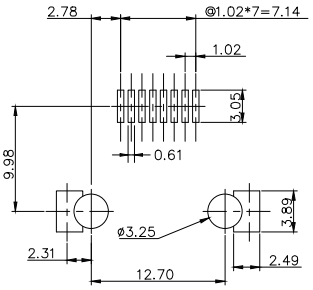
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U DE4G/Y RL	SMD solder connection	top	6 tabs	Yes	Cat. 5e	Tape	200	**2562890000**









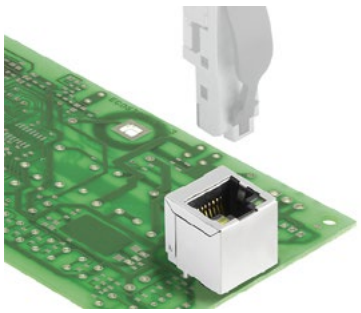
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U DE4N RL	SMD solder connection	top	6 tabs	No	Cat. 5e	Tape	200	**2562940000**

RJ45 modular jacks
for THR soldering process

1x1 port, 180° (vertical)

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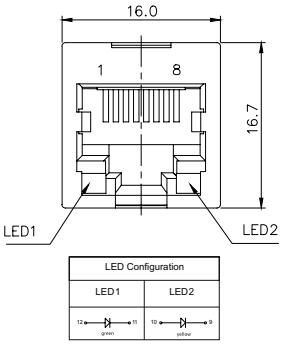
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: –40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

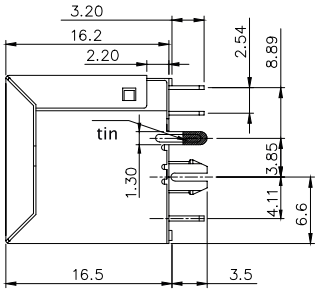
Technical data

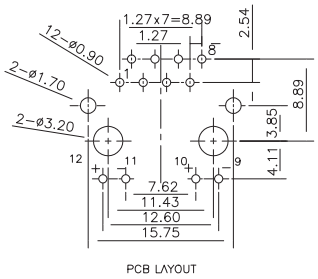
Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





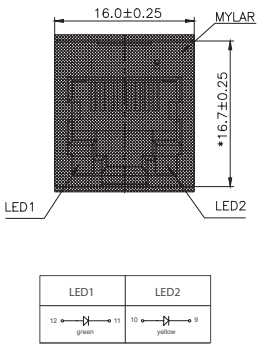


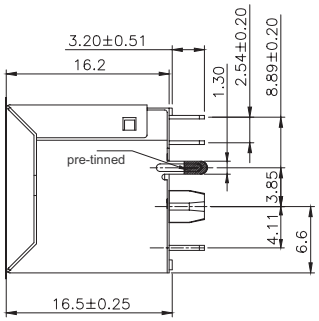


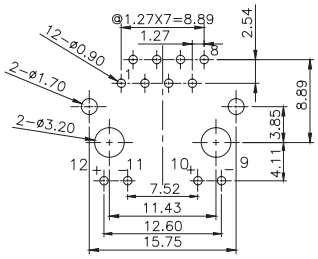
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1V 3.2N4G/Y TY	THT/THR solder connection		none	Yes	Cat. 5	Tray	120	**2516380000**





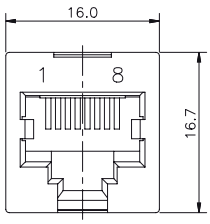


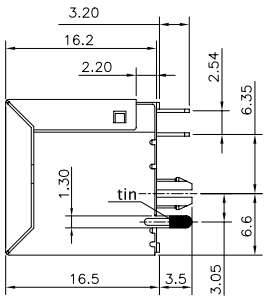


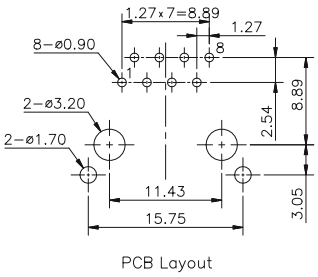
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1V 3.2N4G/Y RL	THT/THR solder connection		none	Yes	Cat. 5	Tape	200	**2745360000**









PCB Layout

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1V 3.2N4N RL	THT/THR solder connection		none	No	Cat. 5	Tape	200	**2562970000**

RJ45 modular jacks
for THR soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to eshop.weidmueller.com



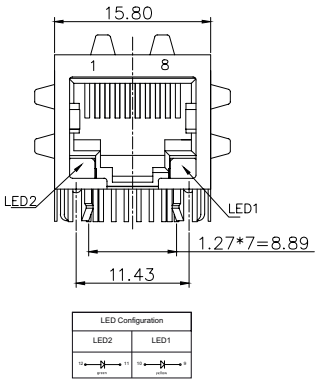
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: –40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

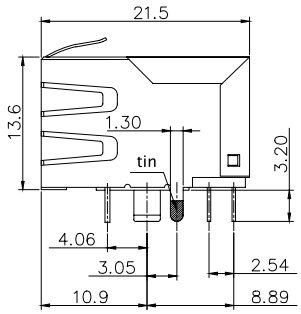
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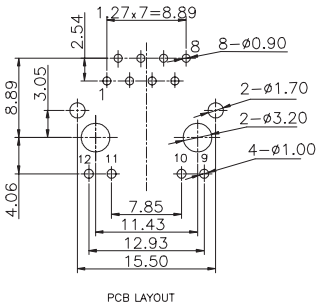
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





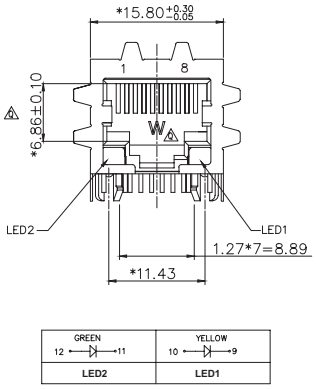


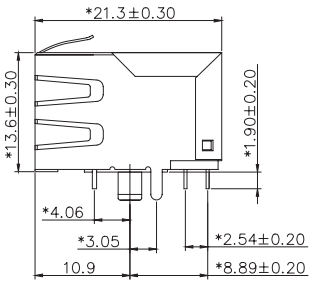


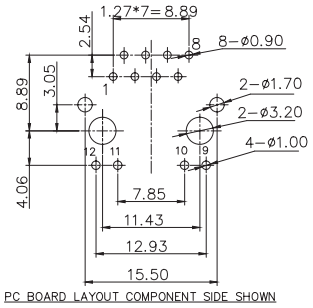
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1D 3.2E4G/Y RL	THT/THR solder connection	bottom	6 tabs	Yes	Cat. 5	Tape	200	2562870000







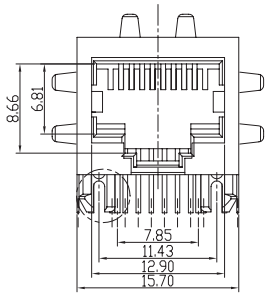


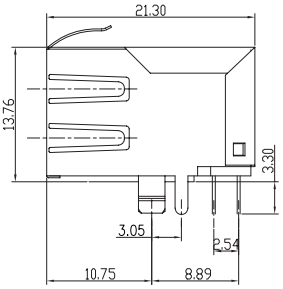
PC BOARD LAYOUT COMPONENT SIDE SHOWN

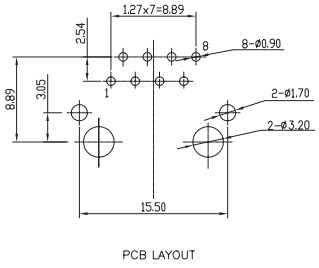
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1D 1.9E4G/Y RL	THT/THR solder connection	bottom	6 tabs	Yes	Cat. 5	Tape	200	**3139090000**









PCB LAYOUT

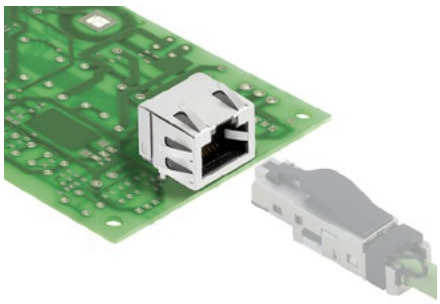
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1D 3.3E4N RL	THT/THR solder connection	bottom	6 tabs	No	Cat. 5	Tape	200	**2562910000**

RJ45 modular jacks
for THR soldering process

1x1 port, 90° (horizontal) latch up

For additional articles and information, refer to eshop.weidmueller.com



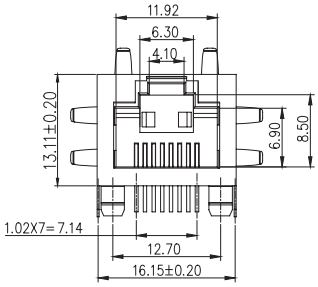
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: –40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

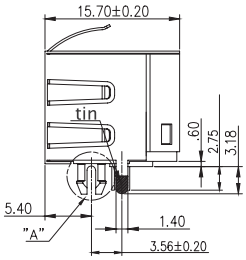
Technical data

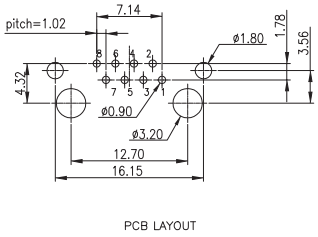
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS





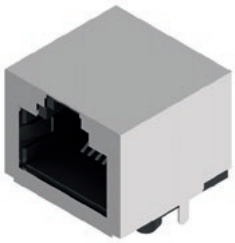


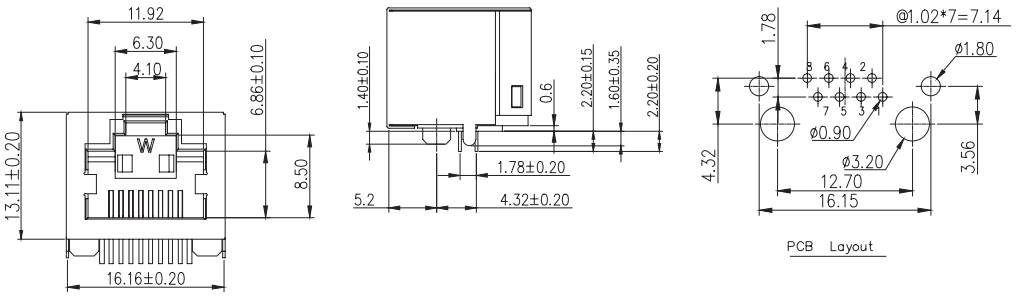


PCB LAYOUT

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1U 2.8E4N RL	THT/THR solder connection	bottom	6 tabs	No	Cat. 5	Tape	200	**2562930000**

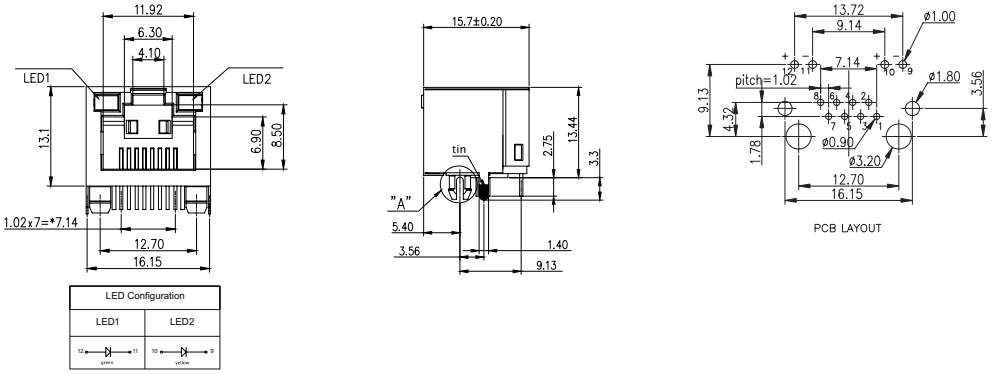




Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1U 2.2N4N RL	THT/THR solder connection	top	none	No	Cat. 5	Tape	240	**3066290000**





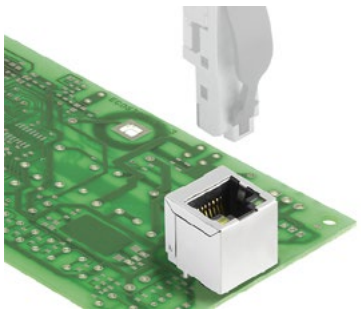
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1U 2.8N4G/Y RL	THT/THR solder connection	top	none	Yes	Cat. 5	Tape	200	**2562950000**

RJ45 modular jacks
for wave soldering process

1x1 port, 180° (vertical)

For additional articles and information, refer to eshop.weidmueller.com



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

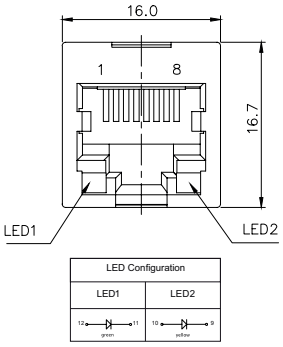
Technical data

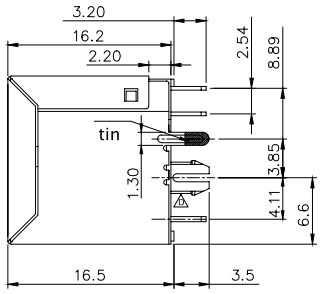
Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 6T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

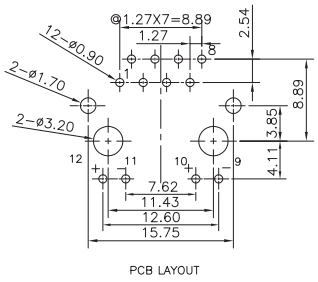
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

Note





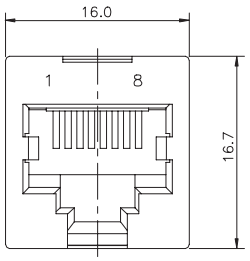


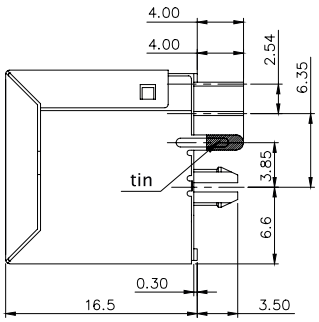


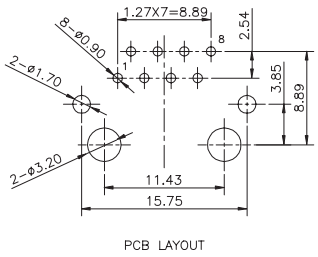
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 3.2N4G/Y TY	THT solder connection		none	Yes	Cat. 5	Tray (manual assembly)	120	2562960000
Other versions on request								





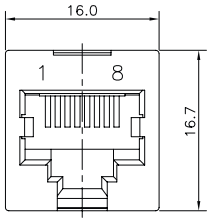


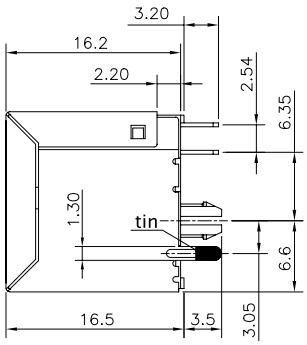


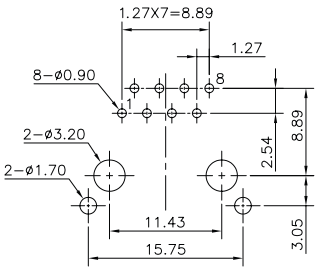
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 4.0N4N TY	THT solder connection		none	No	Cat. 5	Tray (manual assembly)	120	**2436450000**









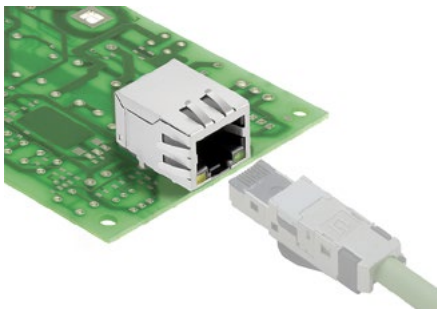
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 3.2N4N TY	THT solder connection		none	No	Cat. 5	Tray	120	**1433810000**
Other versions on request								

RJ45 modular jacks
for wave soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to eshop.weidmueller.com



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

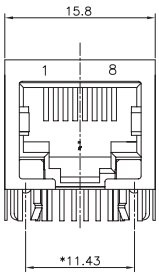
Technical data

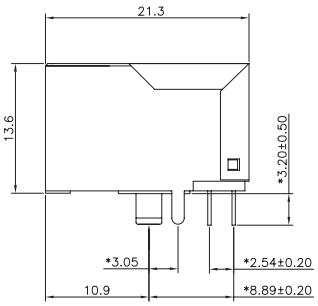
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 6T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

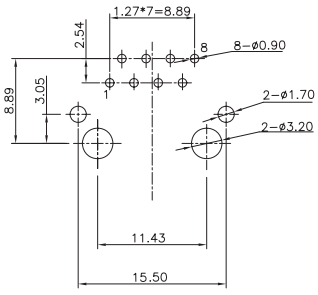
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

Note





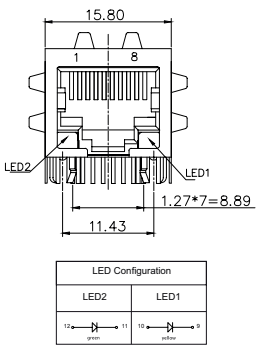


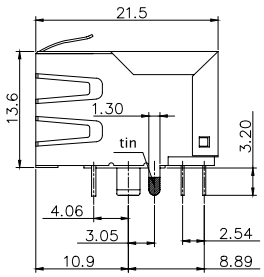


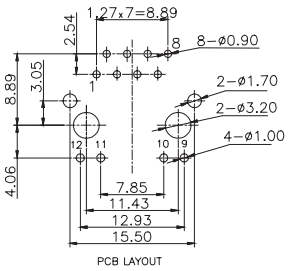
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.3N4N TY	THT solder connection	bottom	none	No	Cat. 5	Tray	120	**1433800000**
Other versions on request								





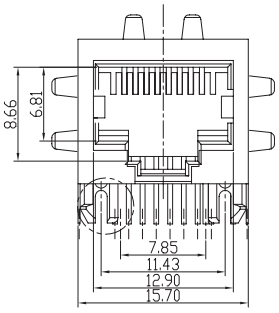


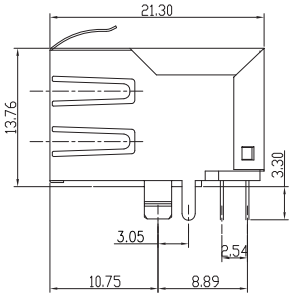


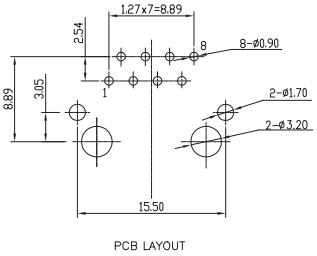
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.2E4G/Y TY	THT solder connection	bottom	6 tabs	Yes	Cat. 5	Tray (manual assembly)	140	2562820000









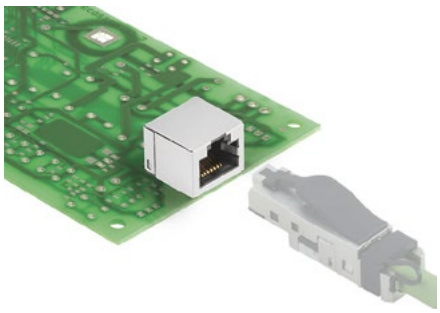
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.3E4N TY	THT solder connection	bottom	6 tabs	No	Cat. 5	Tray (manual assembly)	120	2562900000

RJ45 modular jacks
for wave soldering process

1x1 port, 90° (horizontal) latch up

For additional articles and information, refer to eshop.weidmueller.com



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

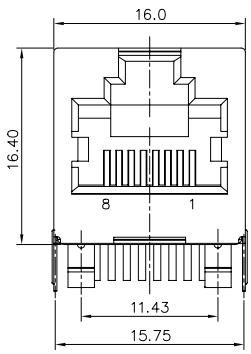
Technical data

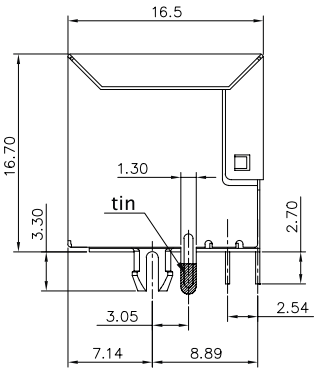
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 6T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

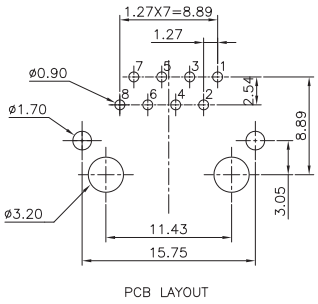
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

Note





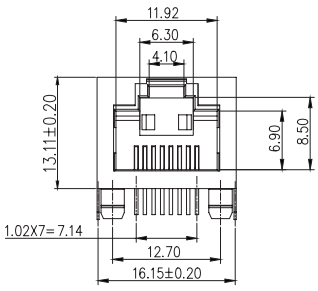


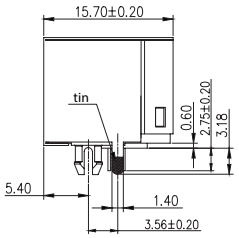


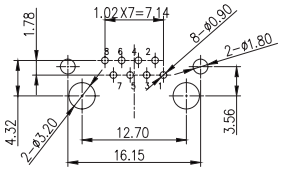
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C6 T1U 2.7N4N TY	THT solder connection	top	none	No	Cat. 6	Tray	160	**1433910000**
Other versions on request								







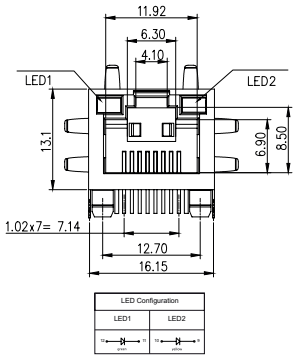


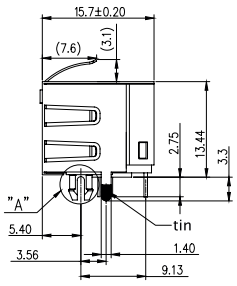
Recommended PCB-Layout

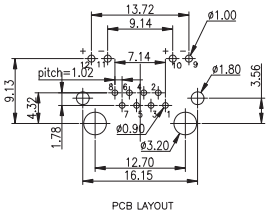
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8N4N TY	THT solder connection	top	none	No	Cat. 5	Tray	140	**1455240000**
Other versions on request								







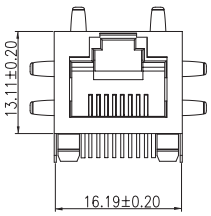


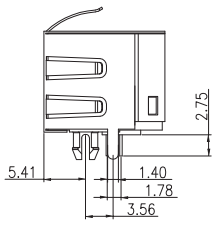
PCB LAYOUT

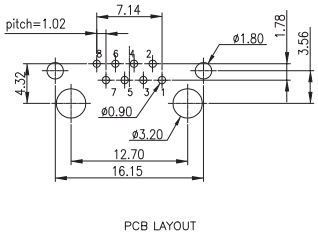
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8E4G/Y TY	THT solder connection	top	6 tabs	Yes	Cat. 5	Tray (manual assembly)	140	**2562880000**







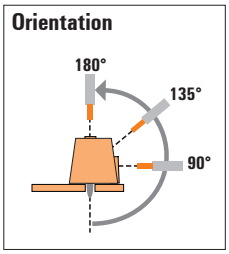


PCB LAYOUT

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8E4N TY	THT solder connection	top	6 tabs	No	Cat. 5	Tray (manual assembly)	140	**2562920000**

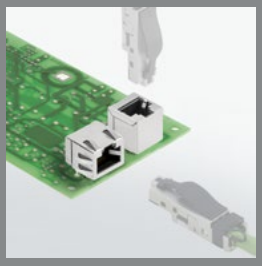
www.weidmueller.com/omnimate



RJ45 transformer jacks

- With magnetics
- Shielded
- Contact surface 30µ" Au
- temperature range:

–40 °C to +85 °C



Mounting onto the PCB	Reference picture	Outgoing elbow/ Latch option	Shield tabs	LED (left/ right)	Performance category
SMT-soldering process		90° horizontal/latch down	No	No	10/100 Mbit/s
THR-soldering process		180° vertical	No	YG/YG	1000 MBit/s
			No	YG/YG	10/100 Mbit/s
			No	Y/G	10/100 Mbit/s
		90° horizontal/latch down	Yes	G/Y	1000 MBit/s
			No	G/Y	10/100 Mbit/s
		90° horizontal/latch down Multiport	Yes	G/Y	1000 MBit/s
			No	YG/YG	1000 MBit/s
			No	G/Y	10/100 Mbit/s
Wave soldering process		90° horizontal/latch down Multiport	Yes	G/Y	10/100 Mbit/s

Packaging	Order No.	Type
Tape	**2564450000**	RJ45M S1D DE4N RL
Tape	**2562160000**	RJ45G R1V 1.9N4YG/YG RL
Tape	**2562150000**	RJ45M R1V 1.9N4YG/YG RL
Tray	**2461070000**	RJ45M R1V 3.3N4Y/G TY
Tray	**2544510000**	RJ45G1 R1D 3.3E4G/Y TY
Tape	**2862920000**	RJ45M R1D 3.3N4G/Y RL
Tray	**2544500000**	RJ45G1 R12D 3.3E4G/Y TY
Tape	**2485370000**	RJ45G1 R12D 3.3N4YG/YG RL
Tape	**2551900000**	RJ45M R12D 3.2N4G/Y RL
Tape	**2036460000**	RJ45M T12D 3.3E4G/Y RL

RJ45	G1	R	1	U	3.2	E	4	GY/GY	TY

Performance Category

C5	Category 5
C6	Category 6
C6A	Category 6A
C5e	Category 5e
M	10/100 Mbit
G1	10/100/1000 Mbit
G10	10 Gbit
U	Unshielded
MP	10/100 Mbit with POE
MP+	10/100 Mbit with POE+

Assembly on PCB

R	Through Hole Reflow – THR Soldering process: Wave or Reflow soldering
S	Surface Mount Technology – SMT Soldering process: Reflow soldering
T	Through Hole Technology – THT Soldering process: Wave

Number of Ports

1	1 Port
12; 14; ...	multi ports side by side, Multiport
21; 41; ...	multi ports about each other, Multilevel

Direction, latch style

U	Horizontal (90°, side entry), latch up
D	Horizontal (90°, side entry), latch down
V	Vertical (180°, top entry)
Y	Diagonal (45°), latch up

Solder Pin length

3.2	3.2 mm
1.6	1.6 mm
D	SMD

EMI tabs (ground fingers)

E	E = with EMI tabs
N	N = without EMI tabs

Contact surface thickness

4	1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"

LED

Y/G	Yellow/Green
G/Y	Green/Yellow (standard)
GY/GY	Green-Yellow/Green-Yellow
O/G	Orange/Green
R/O	Red/Orange
...	... (further combinations possible)
N	without LED

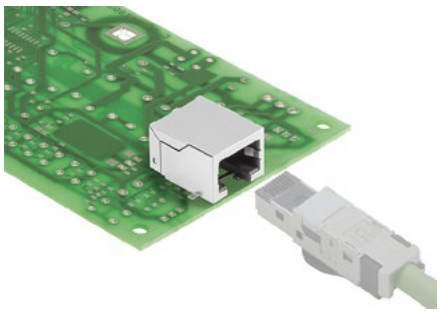
Packaging

TY	Tray in box (manual assembly)
RL	Tape on Reel (automated assembly)

RJ45 transformer jacks
for SMT soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to
eshop.weidmueller.com



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

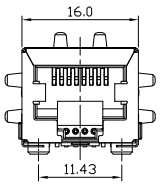
Characteristics	
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz,100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

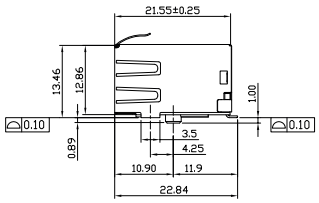
Technical data

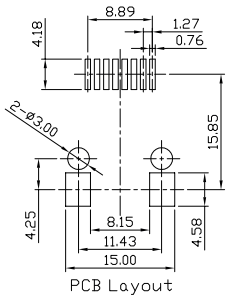
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

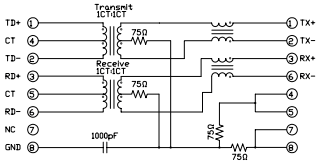
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS











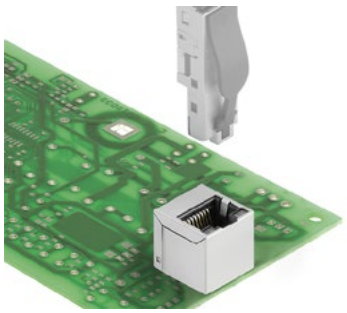
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M S1D DE4N RL	SMD solder connection	bottom	6 tabs	No	10/100 MBit/s	Tape	220	2564450000

RJ45 transformer jacks
for THR soldering process

1x1 port, 180° (vertical)

For additional articles and information, refer to eshop.weidmueller.com



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

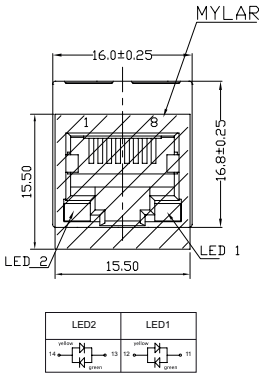
Characteristics	
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz,100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

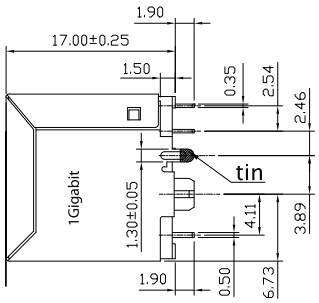
Technical data

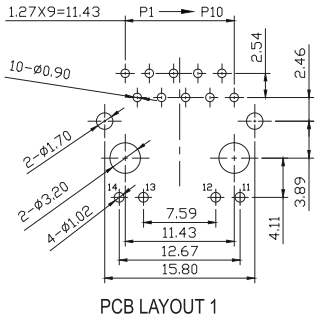
Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

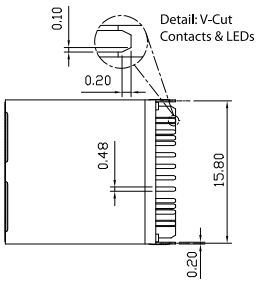


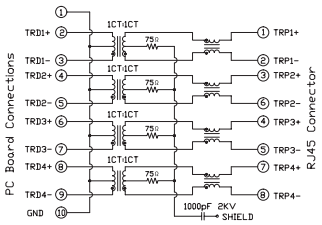






PCB LAYOUT 1

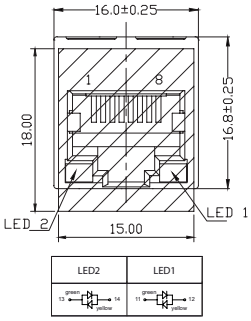


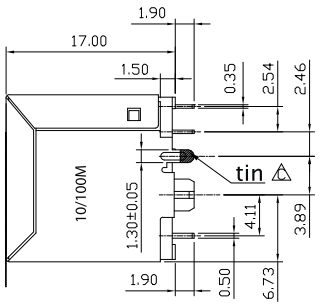


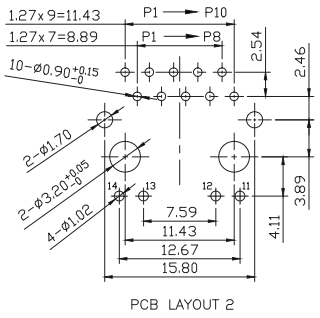
Ordering data

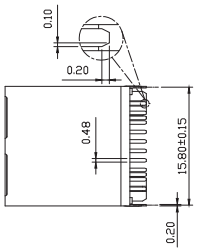
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G R1V 1.9N4YG/YG RL	THT/THR solder connection		none	Yes	1000 Mbps	Tape	200	2562160000

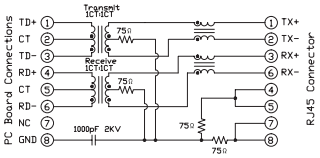








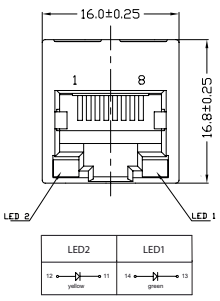


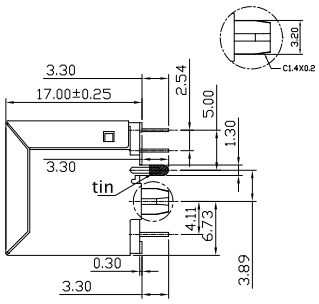


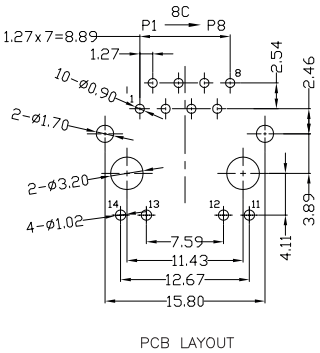
Ordering data

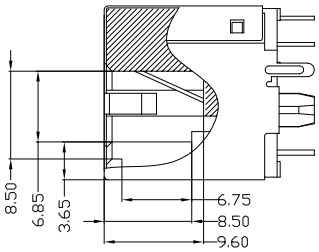
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1V 1.9N4YG/YG RL	THT/THR solder connection		none	Yes	10/100 MBit/s	Tape	200	2562150000

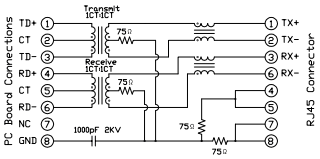












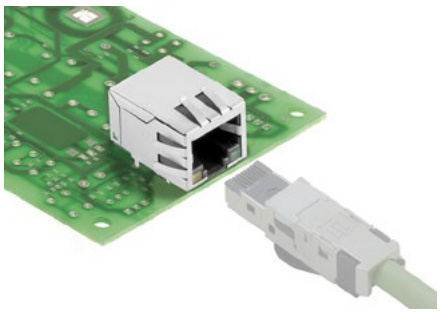
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1V 3.3N4Y/G TY	THT/THR solder connection		none	Yes	10/100 MBit/s	Tray (manual assembly)	120	2461070000

RJ45 transformer jacks
for THR soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to eshop.weidmueller.com



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

Characteristics

Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz,100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

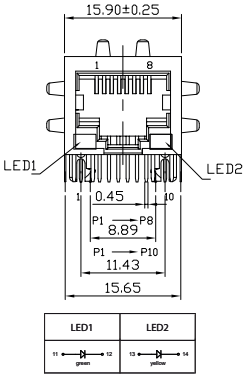
Technical data

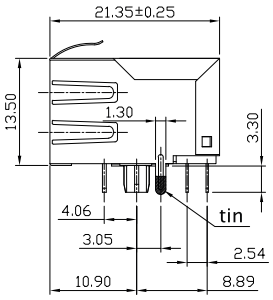
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

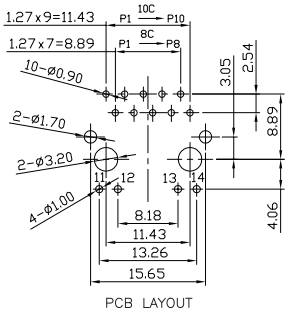
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

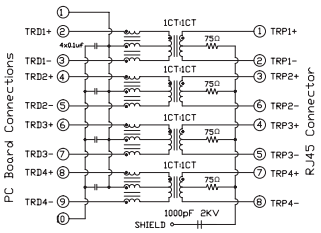
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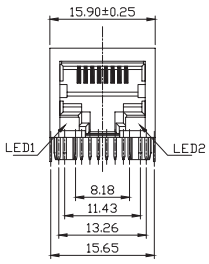




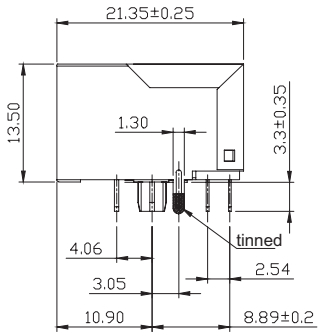
Ordering data

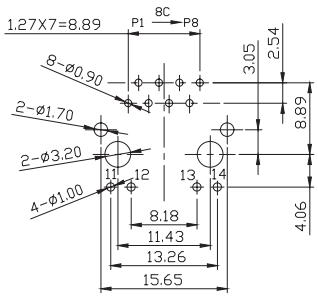
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R1D 3.3E4G/Y TY	THT/THR solder connection	bottom	6 tabs	Yes	1000 Mbps	Tray (manual assembly)	120	2544510000





LED1	LED2
11 — 12 green	13 — 14 yellow





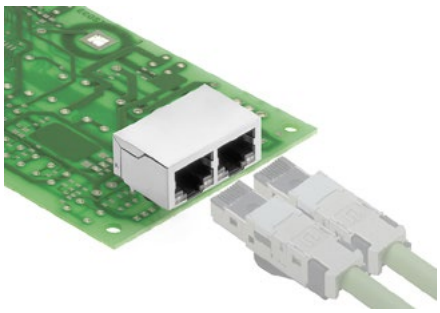
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1D 3.3N4G/Y RL	THT/THR solder connection			Yes		Tape	200	**2862920000**

RJ45 transformer jacks
for THR soldering process

1x2 multiport, 90° (horizontal) latch down

For additional articles and information, refer to eshop.weidmueller.com



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

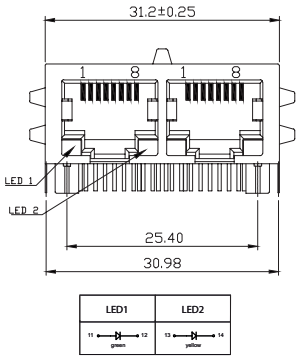
Characteristics	
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz,100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

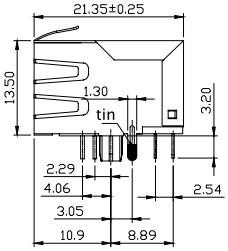
Technical data

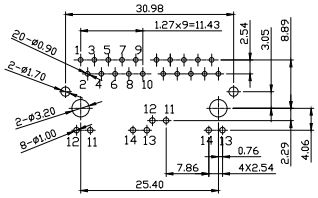
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

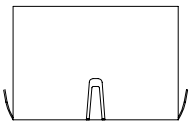
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	0,80 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

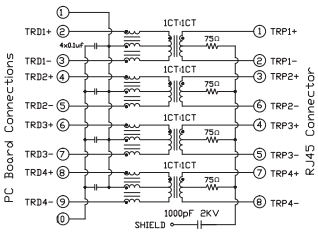








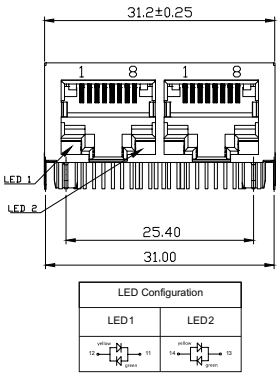


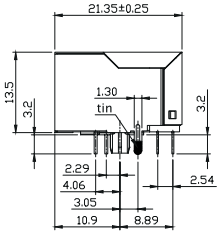


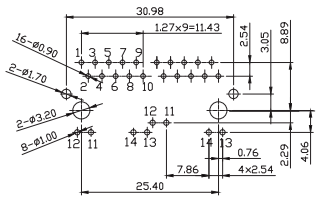
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R12D 3.3E4G/Y TY	THT/THR solder connection	bottom	6 tabs	Yes	1000 Mbps	Tray (manual assembly)	80	2544500000

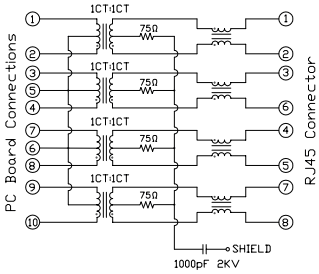








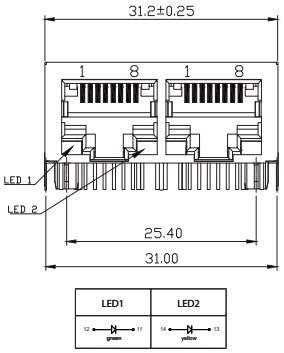
PCB Layout

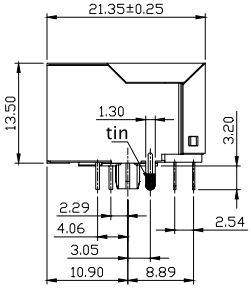


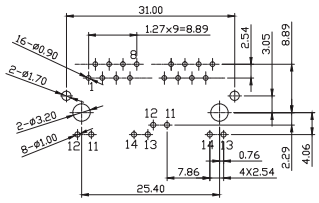
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R12D 3.2N4YG/YG RL	THT/THR solder connection	bottom	none	Yes	1000 Mbps	Tape	200	2485370000

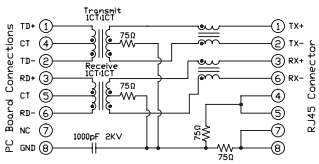








PCB LAYOUT



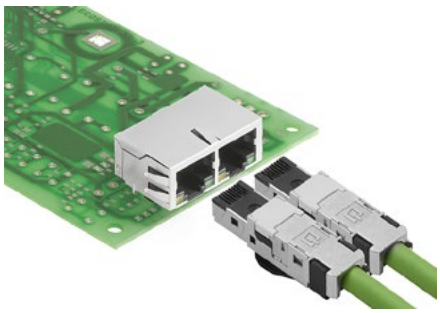
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R12D 3.2N4G/Y RL	THT/THR solder connection	bottom	none	Yes	10/100 MBit/s	Tape	200	2551900000

RJ45 transformer jacks
for wave soldering process

1x2 multiport, 90° (horizontal) latch down

For additional articles and information, refer to eshop.weidmueller.com



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

Characteristics

Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz,100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

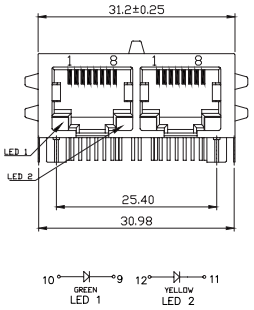
Technical data

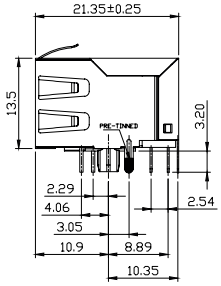
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 6T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

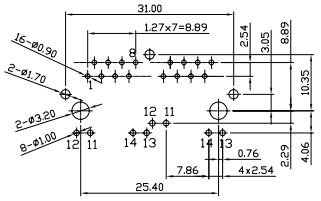
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Nominal voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation resistance	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

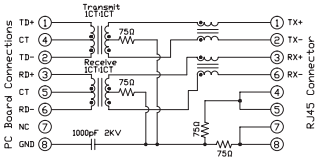
Note











Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M T12D 3.3E4G/Y RL	THT solder connection	bottom	6 tabs	Yes	10/100 MBit/s	Tape	180	2036460000

OMNIMATE® Data – USB

OMNIMATE® Data – USB	Explanation	E.2
	Quick selection	E.4
	USB jacks for SMT soldering process	E.6

OMNIMATE® Data USB jacks
Reliable data interfaces for your device

Plug-in connectors and jacks for data transmission are already an integral part of the future-proof device design. In the industrial environment, they have to stand up to exacting requirements and the ever-increasing data transmission rates demand high-quality on individual components.

Our broad portfolio of USB Type-C PCB receptacles for transmission standards 2.0 and 3.1 ensures high data transmission rates, robust plug-and-play operation, and reliable PCB assembly using SMT or THR soldering processes.

Reinforced gold surface
Up to 10.000 mating cycles meet the requirements for high durability



Reliable PCB assembly
Our products enable reliable PCB assembly using SMT or THR soldering processes. Suitable for automated assembly (Tape-on-Reel).

USB 3.1 jacks support a data rate up to 10 Gbit/s
For fast data transmission: USB 3.1 Hosts and devices are generally backwards compatible with version 2.0, which makes a flexible use possible

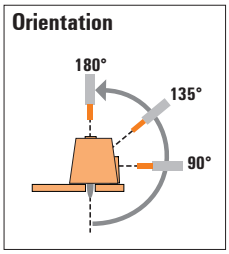
Variable outlet directions
The 90°/180° variants allow optimum adaptation to the various housing formats



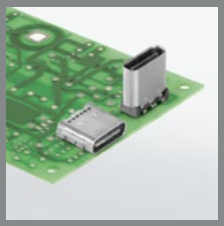
Robust plug & play operation
connect and disconnect without powering down or restarting the system

USB-C simplifies the connection
The point-symmetrical shape enables plugging without paying attention to orientation and always fits into the ports regardless of the direction of rotation. USB-C also allows charging, data transfer, audio and video transmission via a single port.

www.weidmueller.com/omnimate



USB jacks

	Mounting onto the PCB	Reference picture	Outgoing elbow	Performance category	Packaging	Order No.	Type
Rated current up to 1.5 A • **Type C** • **Up to 10000 mating cycles** • **Backwards compatible** 	**SMT-soldering process**		180° vertical	10 Gbit/s	Tape	**2987540000**	USB3.1C S1V DN1 RL
			180° vertical	10 Gbit/s	Tape	**3158920000**	USB3.1C S1V 1.7N4 RL
			180° vertical	10 Gbit/s	Tape	**3100390000**	USB3.1C S1V DN4 RL
			180° vertical	480 Mbit/s	Tape	**3125420000**	USB2.0C S1V DA4 RL
			90° horizontal	10 Gbit/s	Tape	**2987560000**	USB3.1C S1H DN1 RL

USB	3.0A	R	1	V	3.0	N	4	TY	BK

Type / Performance

2.0A	USB 2.0 Type A
2.0B	USB 2.0 Type B
3.0A	USB 3.0 Type A
3.1C	USB 3.1 Type C

Assembly on PCB

R	Through Hole Reflow – THR Soldering process: Wave or Reflow soldering
S	Surface Mount Technology – SMT Soldering process: Reflow soldering
T	Through Hole Technology – THT Soldering process: Wave

Number of Ports

1	1 Port
21; 41; ...	multi ports about each other, Multilevel

Direction

H	Horizontal (90°, side entry)
U	Horizontal, Upright 90°
V	Vertical (180°, top entry)

Solder Pin length

3.2	3.2 mm
1.6	1.6 mm
D	SMD

N	no use

Contact surface thickness

1	3µ"
2	6µ"
3	15µ"
4	30µ"
5	50µ"

Packaging

TY	Tray in box (manual assembly)
RL	Tape on Reel (automated assembly)
TU	Tube

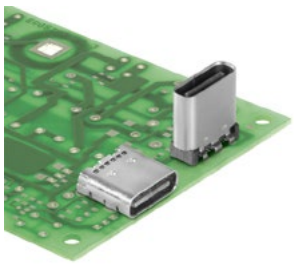
Special Option / Colour

BL	blue (plastic)
BK	black (plastic)
WH	white (plastic)
SO	customized product

USB jacks
for SMT soldering process

Typ 3.1 C, 180° (vertical)

For additional articles and information, refer to eshop.weidmueller.com



- Up to 10,000 mating cycles
- Up to 10 Gbps
- Automation-ready packaging

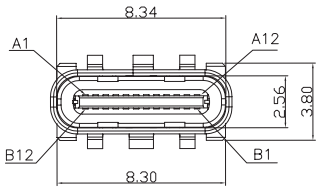
Technical data

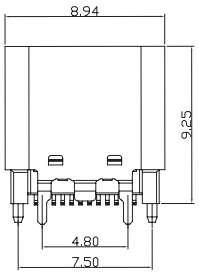
Outgoing elbow	180°
Pitch	0.50 mm
Type of insulation material	LCP
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated

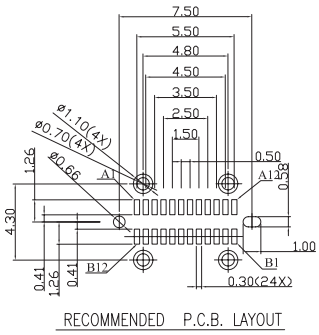
Contact base material	Copper alloy
Layer structure of plug contact	
Operating temperature	-30...80 °C
Nominal voltage	5 V
Nominal current	1.25 A
Dielectric strength, contact / contact	100 V AC
Insulation resistance	≥ 100 MΩ

Note









Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.1C S1V DN1 RL	SMD solder connection	≥ 10000	10 Gbit/s	Reel	450	2987540000





Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.1C S1V 1.7N4 RL	SMD solder connection	≥ 10000	10 Gbit/s	Reel	2000	3158920000





Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.1C S1V DN4 RL	SMD solder connection	≥ 10000	10 Gbit/s	Reel	1000	3100390000





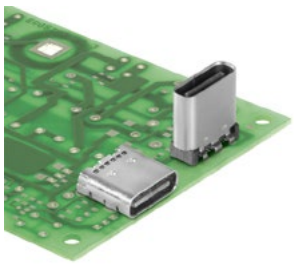
Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB2.0C S1V DA4 RL	SMD solder connection	≥ 10000	480 Mbps	Reel	6000	3125420000

USB jacks
for SMT soldering process

Typ 3.1 C, 90° (horizontal)

For additional articles and information, refer to eshop.weidmueller.com



- Up to 10,000 mating cycles
- Up to 10 Gbps
- Automation-ready packaging

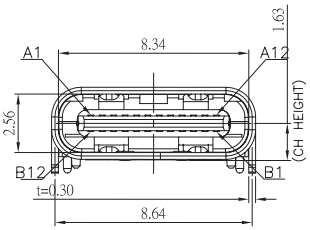
Technical data

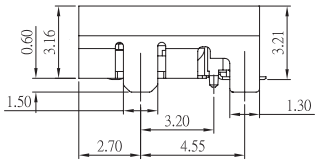
Outgoing elbow	90°
Pitch	0.50 mm
Type of insulation material	LCP
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated

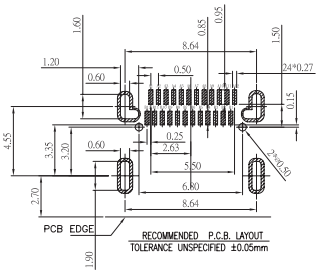
Contact base material	Copper alloy
Layer structure of plug contact	
Operating temperature	-40...80 °C
Nominal voltage	5 V
Nominal current	1.25 A
Dielectric strength, contact / contact	100 V AC
Insulation resistance	≥ 100 MΩ

Note









Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.1C S1H DN1 RL	SMD solder connection	≥ 10000	10 Gbit/s	Reel	1050	2987560000

OMNIMATE® Data – Ethernet-APL

OMNIMATE® Data – Ethernet-APL	Introduction	F.2
	Ordering data	F.4

Ethernet-APL

The two-wire solution for the process industry

Ethernet-compatible interfaces are increasingly needed in the process industry to access data from the field via IIoT. More and timely information is required from sensors and devices, even over long distances. This requires the integration of IIoT devices into the network infrastructure.

Ethernet-APL as an internationally standardised two-wire solution enables direct access right down to the field and device level. This leads to increased system availability and access to production data.

Advantages of Ethernet-APL

- High data rates: 10 Mbit/s communication with ranges of up to 1,000 m in accordance with IEEE 802.3cg-2019.
- PoDL (Power over data line): Supports remote power supply in accordance with IEEE 802.3bu.
- Direct connection to field devices: Integration of sensors and actuators.
- Scalability: Ideal for networking small to large industrial systems.
- Increased system availability through information on individual devices.
- No gateway required between field and company IT.

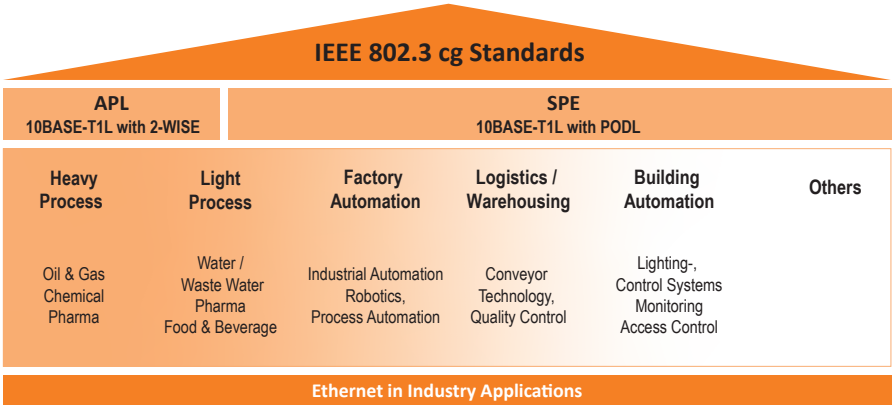




Ethernet-APL and Single Pair Ethernet in comparison

What is the difference between APL and SPE?

While SPE primarily addresses industrial factory automation and building infrastructure, APL is aimed at the process industry with consideration of additional intrinsic safety for use in explosion-protected areas



	Ethernet-APL	Single Pair Ethernet
Technology	Two-wire technology	Two-wire technology
Ethernet Standards	10BASE-T1L, IEC TS 60079-47 (2-WISE)	10BASE-T1S, 10BASE-T1L, 100BASE-T1, 1000BASE-T1
Data transmission	10 Mbit/s	10 Mbit/s up to 10 Gbit/s
Power Transmission	2-WISE (2-Wire Intrinsically Safe Ethernet) power supply limits current in hazardous areas, supports various power levels, and minimizes sparking.	PoDL (Power over Dataline) transmits up to 50W over a single pair
Cable / conductor length	Up to 1,000 m	15 to 1,000 m
Main application	Process industry	Factory automation and building infrastructure
Special features	The extension of the 10BASE-T1L standard in accordance with IEEE 802.3cg includes additional safety precautions that are specially tailored to the needs of the process industry in potentially explosive atmospheres.	Miniaturisation, industrial suitability, simplicity, future-proofing
Connection technology	Classic terminal blocks with screw or tension spring connection, like Omnimate® PCB components, built-in and field-attachable connectors (M12).	Connectors with miniaturised mating faces, patch cables, field attachable plugs, M8 adapters as well as IP20 and IP67 sockets in different outlet directions.



Ethernet-APL solutions
Ordering data

PCB components

	Type	Versions	Qty.	Order No.
	LMF APL 5.00/03/180 3.5SN BX	PCB terminal block, 5.00 mm, number of poles: 3, 180°, PUSH IN	90	**2873470000**
	LMF APL 5.00/03/90 3.5SN BX	PCB terminal block, 5.00 mm, number of poles: 3, 90°, PUSH IN	90	**2873480000**
	LM APL 5.08/03/135 3.5SN OR BX	PCB terminal block, 5.08 mm, number of poles: 3, 135°, tension clamp connection	500	**2873490000**
	LM APL 5.08/03/90 3.5SN OR BX	PCB terminal block, 5.08 mm, number of poles: 3, 90°, tension clamp connection	500	**2873500000**
	BLZP APL 5.00HC/03/180F SN OR BX	PCB connector, female connector, 5.00 mm, number of poles: 3, 180°, tension clamp connection	72	**2872550000**
	MPS APL 5/03 S F2 TN B B D D	PCB connector, female connector, 5.00 mm, number of poles 3, 180°, SNAP IN	114	**8000094097**



M12 connectors

	Type	Versions	Qty.	Order No.
	SAIBM-4/8S-M12 4P A-ZF	Field attachable plug connector, M12, socket, straight	1	**1784740002**
	SAISM-4/8S-M12 4P A-ZF	Field attachable connector, M12, male, straight	1	**1304280000**
	SAIE-M12S-4-0.5U-PG9	Built-in connector, M12, male, straight, mounting thread: PG 9, number of poles: 4, wire/cable length: 0.5 m, front panel mounting	1	**1861220000**
	SAIE-M12B-4-0.5U-PG9	Built-in plug, M12, female, straight, mounting thread: PG 9, no. of poles: 4, wire/cable length: 0.5 m, front panel mounting	1	**1861250000**

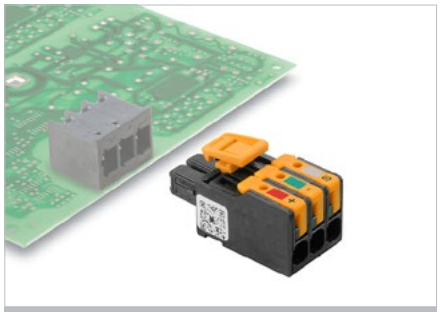
Accessories

	Type	Versions	Qty.	Order No.
	SH ETH U	Shielding bracket, accessories, screw flange, galvanised, silver-grey, box	25	**2903230000**





MPS APL 5/03



- Compliant with Ethernet-APL
- Cost-effective alternative to RJ45 and M12 connectors
- SNAP IN connection technology
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 18.5 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

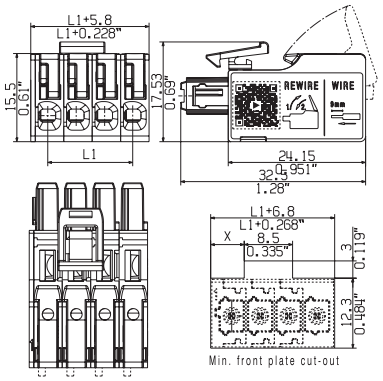
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS APL 5/03 S F2 TN B B D D



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.34...4		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.34...2.5		
Stripping length	mm	9		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**26.8**		**23.1**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**18.5**	**18.5**	**18.5**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length

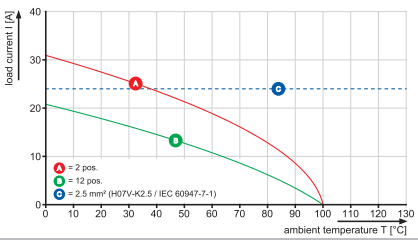
Colour **black**

Pitch **5.00 mm**

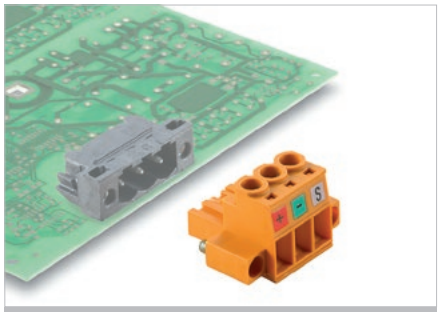
Pol.	L1	(inch)	Qty.	Order No.
3	5.00	0.197	114	8000094097

Representative deratings curve

MPS 5 - MHS 5



BLZP APL 5.00HC/../180



- Compliant with Ethernet-APL
- Space- and weight-saving design
- Cost-effective alternative to RJ45 and M12 connectors
- Reliable clamping yoke connection
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

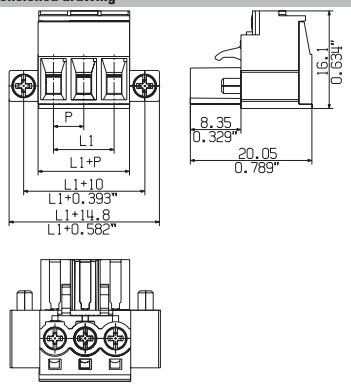
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP APL 5.00HC/03/180F SN OR BX



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length				
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

Ordering data

Solder pin length

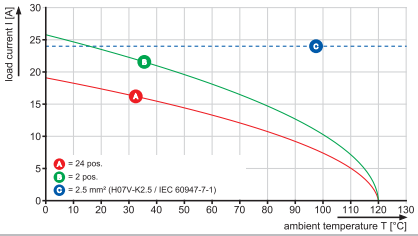
Colour orange

Pitch 5.00 mm

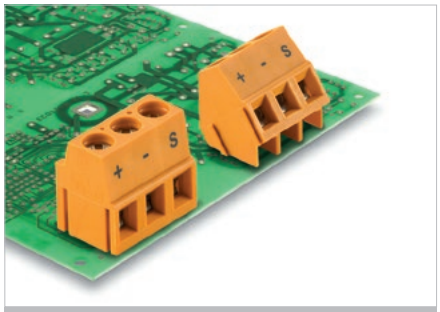
Pol.	L1	(inch)	Qty.	Order No.
3	10.00	0.394	72	2872550000

Representative deratings curve

BLZP 5.00HC/../180 - SL 5.00/../180



LM APL 5.08/../135



- Compliant with Ethernet-APL
- Space- and weight-saving design
- Cost-effective alternative to RJ45 and M12 connectors
- Reliable clamping yoke connection
- 90° and 135° conductor outlet directions
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

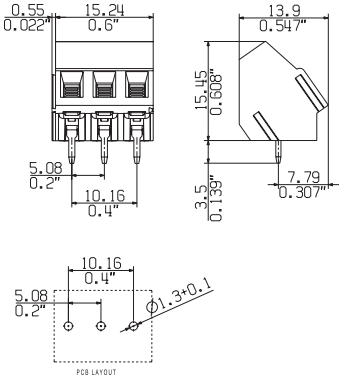
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM APL 5.08/03/135 3.5SN OR BX



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length				
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**24-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG	24-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

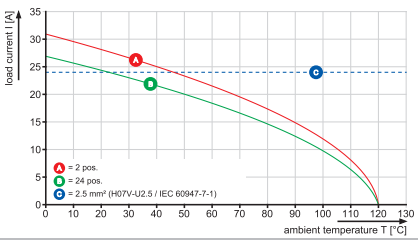
Shield clamp		Order No.
	SH ETH U	2903230000

Ordering data

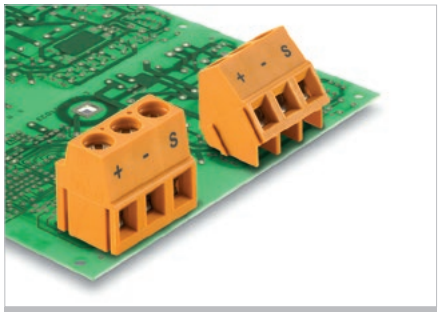
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
3	5.08	0.200	500	2873490000

Representative deratings curve

LM 5.08/../135



LM APL 5.08/../90



- Compliant with Ethernet-APL
- Space- and weight-saving design
- Cost-effective alternative to RJ45 and M12 connectors
- Reliable clamping yoke connection
- 90° and 135° conductor outlet directions
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

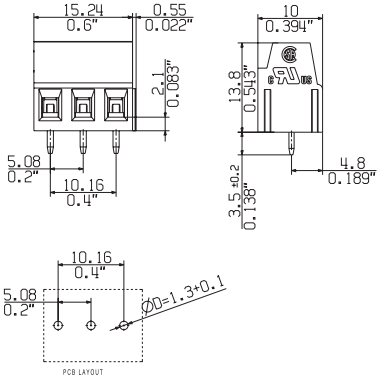
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM APL 5.08/03/90 3.5SN OR BX



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length				
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**24-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG		24-14	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

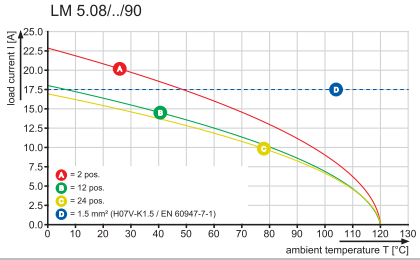
Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

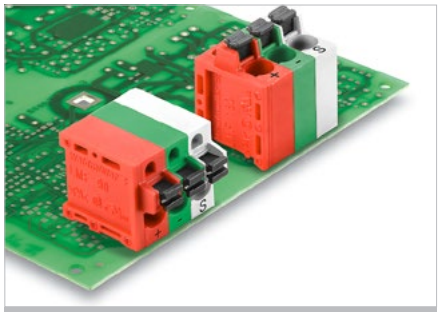
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	5.08	0.200	500	2873500000

Representative deratings curve



LMF APL 5.00/../180



- Compliant with Ethernet-APL
- Cost-effective alternative to RJ45 and M12 connectors
- PUSH IN connection technology
- 90° and 180° conductor exit directions
- Integrated test tap
- 10 Mbit/s communication for long ranges (1,000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 20 A / AWG 24 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

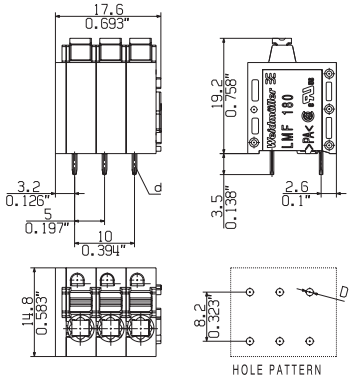
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF APL 5.00/03/180 3.5SN BX



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.12...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.25...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length				
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**24-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	24-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

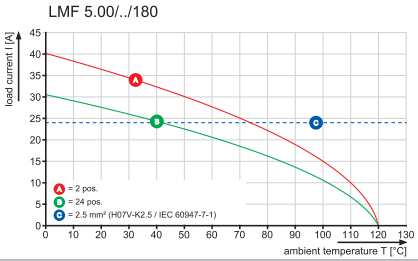
Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

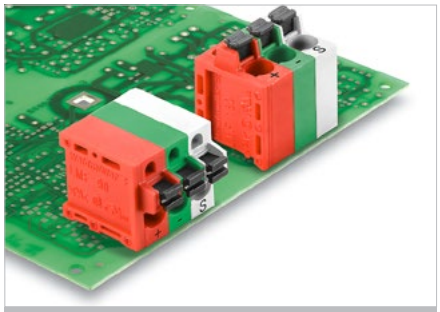
Ordering data

Solder pin length				3.5 mm
Colour				orange, co-
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	5.00	0.197	90	**2873470000**

Representative deratings curve



LMF APL 5.00/../90



- Compliant with Ethernet-APL
- Cost-effective alternative to RJ45 and M12 connectors
- PUSH IN connection technology
- 90° and 180° conductor exit directions
- Integrated test tap
- 10 Mbit/s communication for long ranges (1,000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 20 A / AWG 24 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

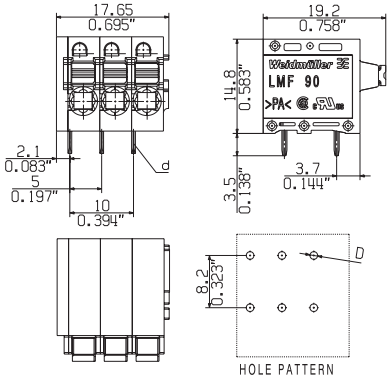
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF APL 5.00/03/90 3.5SN BX



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.12...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.25...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length				
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**24-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	24-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8, 0.6 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

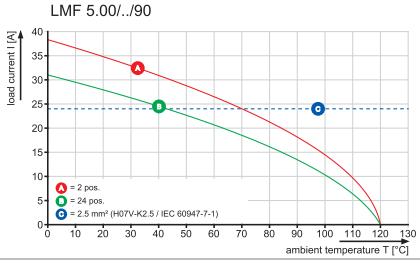
Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

Ordering data

Solder pin length				3.5 mm
Colour				orange, co-
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	5.00	0.197	90	**2873480000**

Representative deratings curve



LSF-SMT APL 3.81/../135



- Compliant with Ethernet-APL
- Cost-effective alternative to RJ45 and M12 connectors
- PUSH IN connection technology
- Automatic processing in the reflow process or in the vapour phase
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

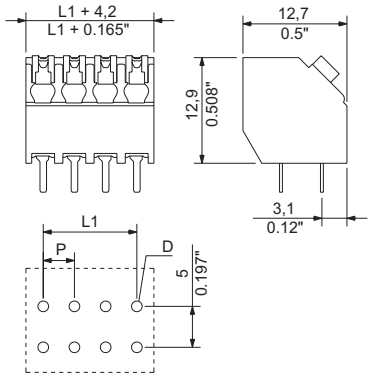
Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT APL 3.81/03/135 3.5SN BK TU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

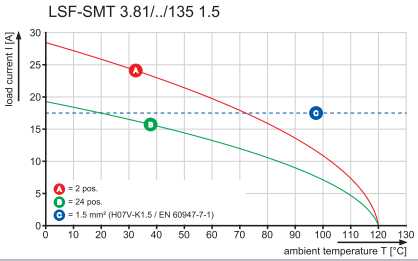
Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	3.81	0.150	46	2875050000

Representative deratings curve



LSF-SMT APL 5.00/../135



- Compliant with Ethernet-APL
- Cost-effective alternative to RJ45 and M12 connectors
- PUSH IN connection technology
- Automatic processing in the reflow process or in the vapour phase
- 10 Mbit/s communication for long ranges (1000 m) in accordance with IEEE 802.3cg-2019
- PoDL remote power supply in accordance with IEEE 802.3bu
- Ethernet-APL is suitable for all IIoT devices and tailored to the process industry

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

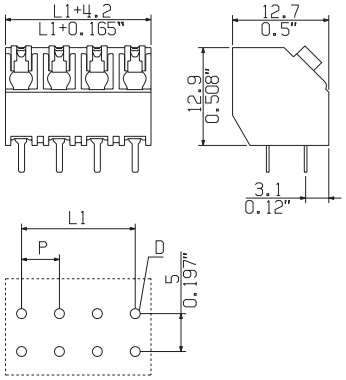
Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT APL 5.00/03/135 1.5SN BK TU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Shield clamp		Order No.
	SH ETH U	2903230000

Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	5.00	0.197	39	2875090000

OMNIMATE® Signal PCB terminals

OMNIMATE® Signal PCB terminals

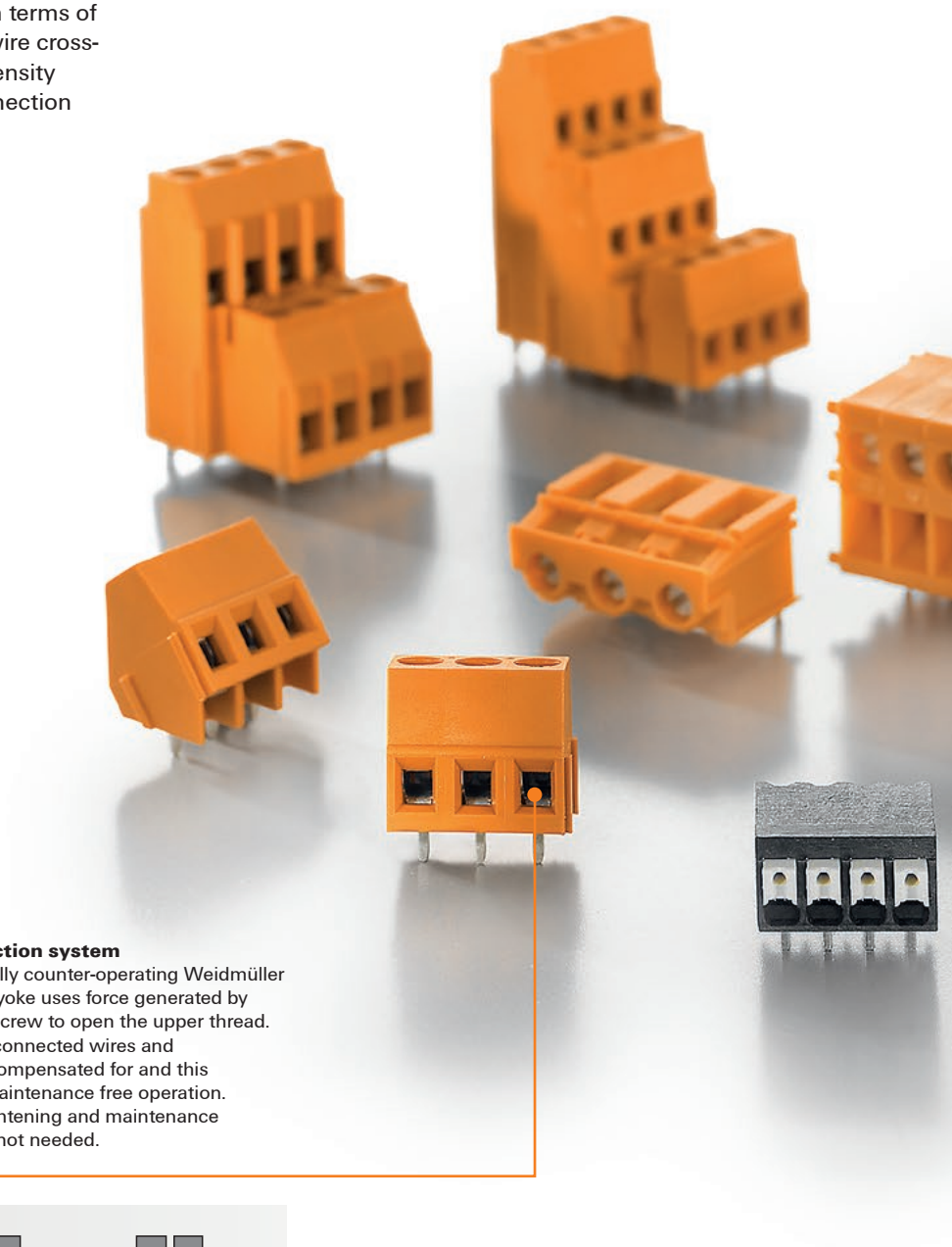
Explanation	G.2
Quick selection	G.14
Clamping yoke screw connection	G.18
Leaf spring screw connection	G.38
PUSH IN spring connection	G.40
Tension clamp connection	G.92

OMNIMATE® Signal PCB terminals

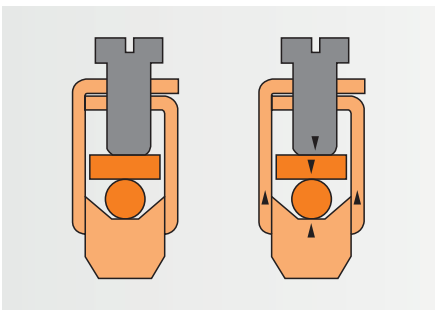
Flexible and versatile in pitches of between 3.5 mm and 10.00 mm for the wave soldering process

A wide variety of application requirements from the industrial automation and control fields are solved using the components from the comprehensive OMNIMATE® Signal PCB terminal range. You can find a suitable solution for almost any application, whether in terms of the conductor outlet direction, the pitch, the wire cross-section to be clamped, the required contact density through multi-level varieties or the sort of connection you want.

Standard-compliant integration
Following relevant international guidelines/standards and Weidmüller's laboratory accreditation ensure highest quality standards for use globally.



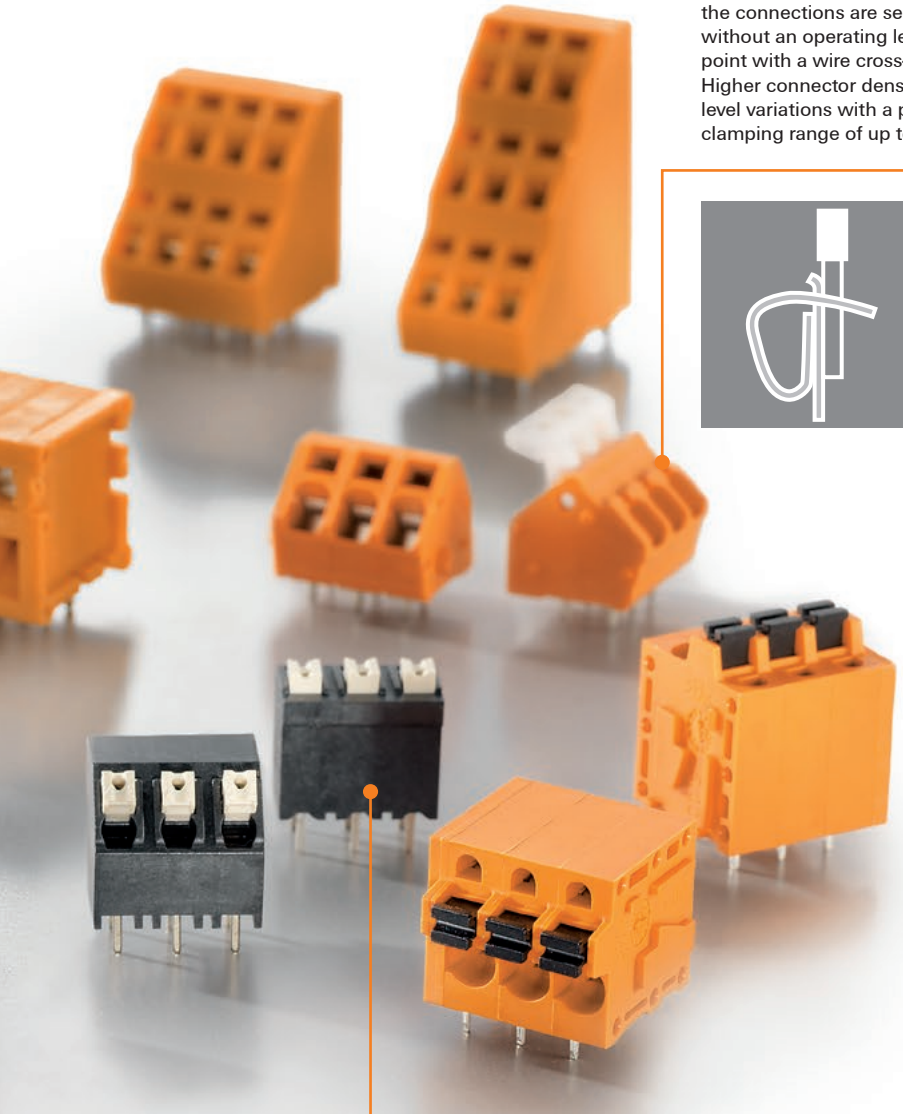
Screw connection system
The automatically counter-operating Weidmüller steel clamping yoke uses force generated by tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.



Fire resistance
The high-quality plastics used in many of the product families in the OMNIMATE® Signal product line meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.

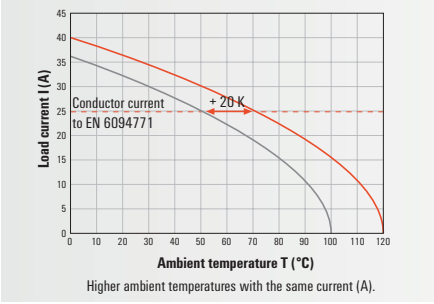
IEC 60335-1

Tension clamp connection system
Simple and fast - the universal screw-less connector with a steel spring. Ideal for PCB installation terminals where it is important that the connections are secure. Single row, with or without an operating lever to open the terminal point with a wire cross-section of up to 2.5 mm². Higher connector density with double, or triple level variations with a pitch of 5.08 mm and clamping range of up to 2.5 mm².



PUSH IN connection system
The innovative quick connector – simple, safe and economical. Direct insertion of solid-core wires and stranded wires with ferrules when used with the LSF-SMT series.

Power reserve for safety
The high performance insulating material WEMID with a continuous operating temperature of 120 °C for higher load currents and ambient temperatures. OMNIMATE® Signal PCB terminals already exceed the standard PA working temperature (100 °C) of many product families by 20 °K. This allows more power reserves and increased safety during temperature fluctuations or overloads.



Higher ambient temperatures with the same current (A).

OMNIMATE® Signal PCB terminals

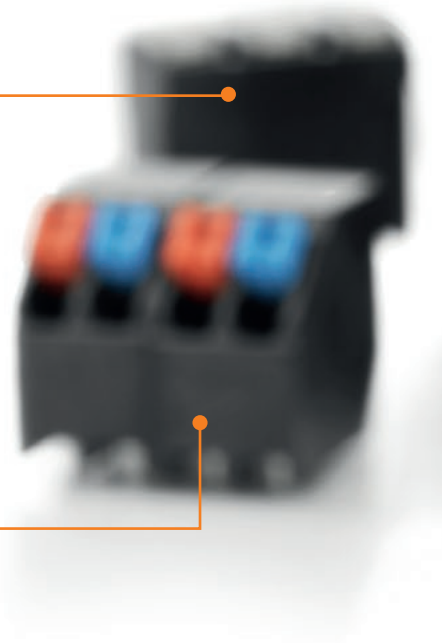
LSF-SMT spring connection in pitches of between 3.5 mm and 7.62 mm for the reflow soldering process (THR)

PUSH IN

The innovative quick connector - simple, safe and economical.
Its compact dimensions and surprising performance of 17.5 A / 800 V (IEC) means that the LSF-SMT meets the market push for miniaturisation. The OMNIMATE® Signal PCB terminals LSF-SMT offer a wide pitch range from 3.5 to 7.62 mm, in various conductor outlet directions (90°/135°/180°) to the PCB for connections of wire cross-sections of up to 1.5 mm². The use of high-quality materials guarantees maximum cost effectiveness in the manufacturing of electronic assemblies.

SMT/THR process compatible
The compact design and packaging (tape-on-reel) for automatic pick and place systems of SMT production lines reduces production costs of electronic components even further.

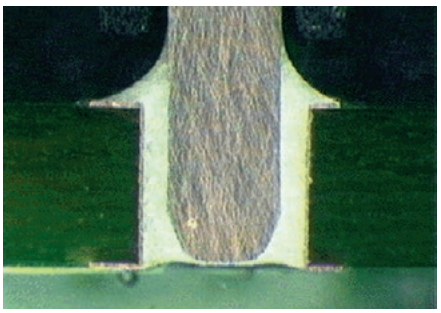




Form stability for the reflow soldering process
The high-temperature-resistant insulating material LCP used in the LSF-SMT range, is characterised by its form and dimensional stability. Due to low moshture absorption, the LSF-SMT can be immediately used in the Reflow THR soldering process without an extra drying phase. The uninterrupted production process from automated assembly to soldering is achieved saving you time and money.



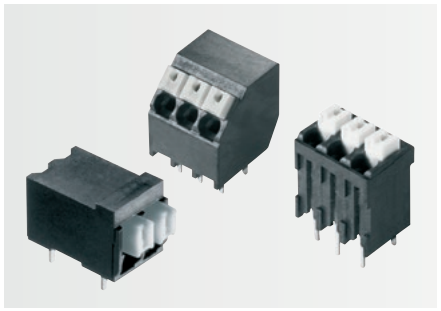
Flexible processing
With a pin length of 3.5 mm for hand and wave soldering, or 1.5 mm for reflow soldering (THR), there are standard models available even for double sided assembled PCBs.

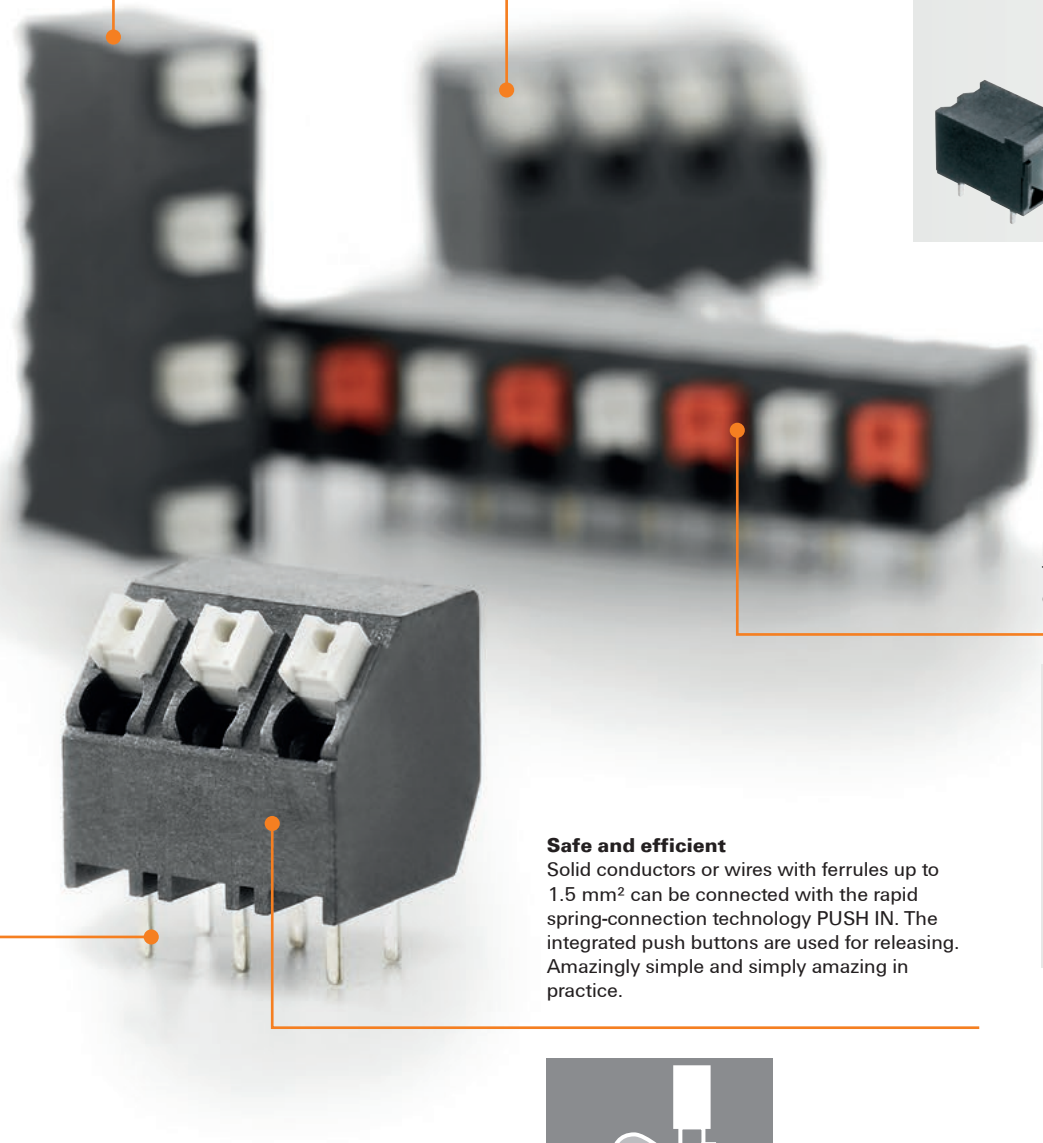


Fire resistance
The high-quality plastics used meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.

IEC 60335-1

Design flexibility
With the conductor outlet directions of 90°/135° and 180° over all pitches from 3.5 to 7.62 mm, all design options are possible.

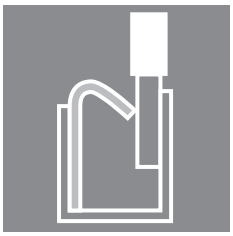




Marking and mapping
Terminal points can be distinctively marked with coloured push buttons or individual printing.



Safe and efficient
Solid conductors or wires with ferrules up to 1.5 mm² can be connected with the rapid spring-connection technology PUSH IN. The integrated push buttons are used for releasing. Amazingly simple and simply amazing in practice.



OMNIMATE® Signal PCB terminals
LSF-SMD 3.5/180 spring connection for the reflow soldering process (SMD)

PUSH IN

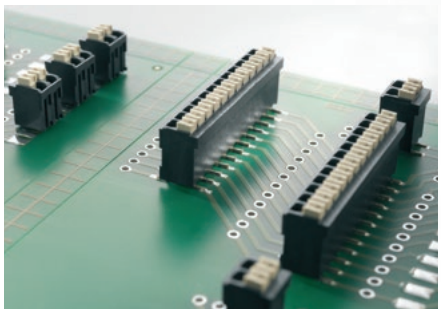


The new LSF-SMD meets the demands for fully automatic PCB assembling as a surface-mounting device (SMD). Two SMD soldering pads per pole provide a high level of mechanical stability in accordance with IPC-A-610 class 2.

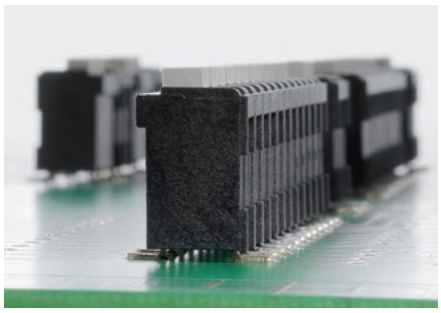
It is now possible for applications on glass based, ceramic based and aluminium compound based PCB´s to also take advantage of PUSH IN technology. The existing portfolio of Weidmüller's reflow compatible LSF-SMT terminals with THR soldering has been expanded to include a real SMD variant.

The 3.5 mm pitch and the wire outlet direction of 180° allow a high packing density with a maximum wire cross section of 1.5 mm².

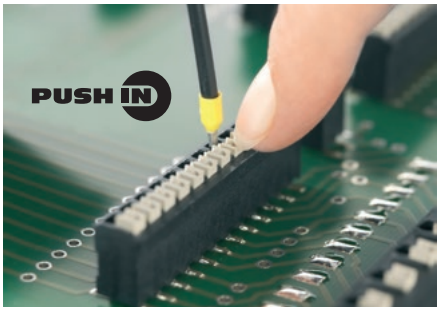
Reliable processing
The LCP causes no formation of blisters and no predrying is required (MSL 1). Direct assembly with the SMT process is possible.



Stable soldering connections
With two solder pins per pole, the LSF-SMD PCB terminal is adequately attached to the circuit board and does not need an additional mounting flange.

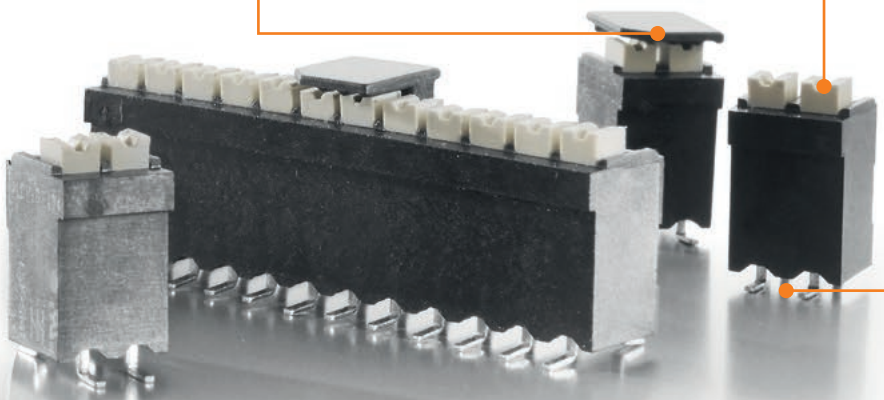


Fast wire connection method
Safe contact connections up to 1.5 mm² with no tools needed: made possible by the proven PUSH IN connection system. The integrated release button is used to disconnect the cable in a simple and quick manner.



Efficient assembly
An efficient automatic assembly process is supported by the tape on reel packaging in standard tape widths. The optimised Pick and Place pads ensure that the pick and place process is safe and reliable.





OMNIMATE® Signal – PUSH IN PCB-terminal LMF

Modern connectivity technology fulfilling the high demands of design up to a conductor cross section of 2.5 mm²

Innovative developments in industrial devices means precision-fit connectivity for power supplies is needed. Your best choice is our new, compact LMF PCB terminals, which are compelling with their modern connectivity technology.

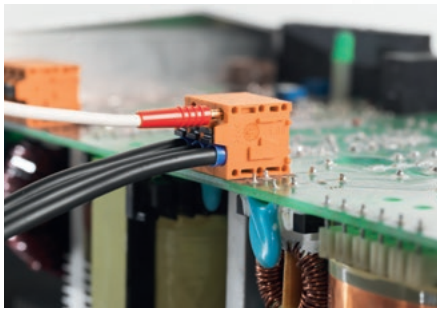
The demands on PCB terminals in industrial device applications with a supply voltage of 250 V requires an extremely reliable wire connection contact and very safe electrical insulation materials.

Our response to this is the LMF with time saving PUSH IN spring connection technology, an integrated test point and a 90° or 180° wire outlet direction for different applications.
The Wemid insulation material allows the assembling of PCB terminals and continuous use in temperatures of up to 120 °C.

With these functions, the LMF meets the tough design requirements of industrial device connections.



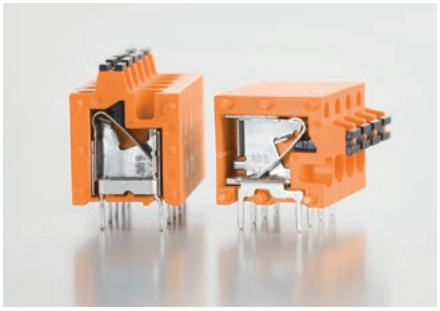
Integrated test point
The required maintenance and measurement can be carried out in a safe, reliable and convenient manner.



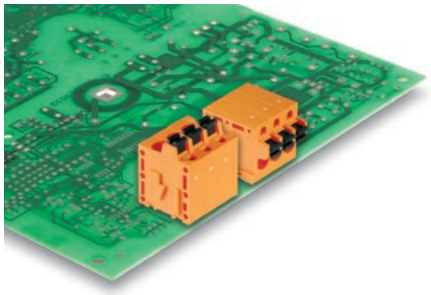
PUSH IN connector up to 2.5 mm²
You can plug solid conductors or wires with ferrules in directly and have a time-saving, reliable connection.

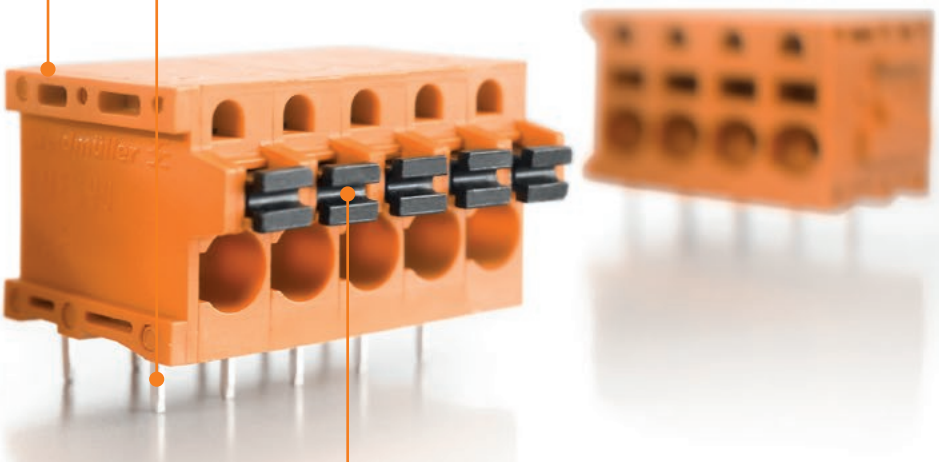


Two solder pins per pole
Benefit from the highly secure, current-carrying capacity and mechanical stability on the PCB board, without additional mounting elements.

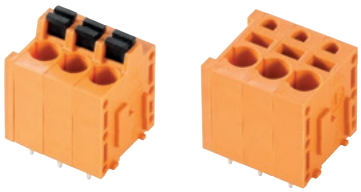


Wire outlet direction of 90° or 180°
High flexibility in your design is given by options of wire outlet directions from above (180°) or the side (90°).

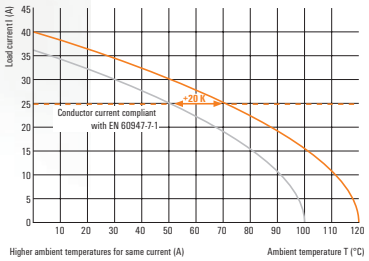




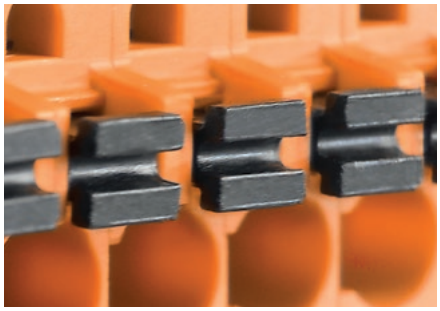
Optional "pusher"
Select your preferred way of activating the PUSH IN spring connection:
Depending on your choice, you open the contacts with the integrated "pusher" or by using a screwdriver.



120° C continuous use temperature
In addition to fulfilling strict environmental standards, the Wemid insulation material also meets the requirement of maximum system reliability.
With a continuous use temperature of 120 °C, it exceeds the PA standard (100 °C) by 20 K.



Reliable functionality due to the "pusher"
The optional push button provides a fast and exact wiring. By pressing the push button, the contact will open very quickly and easily.



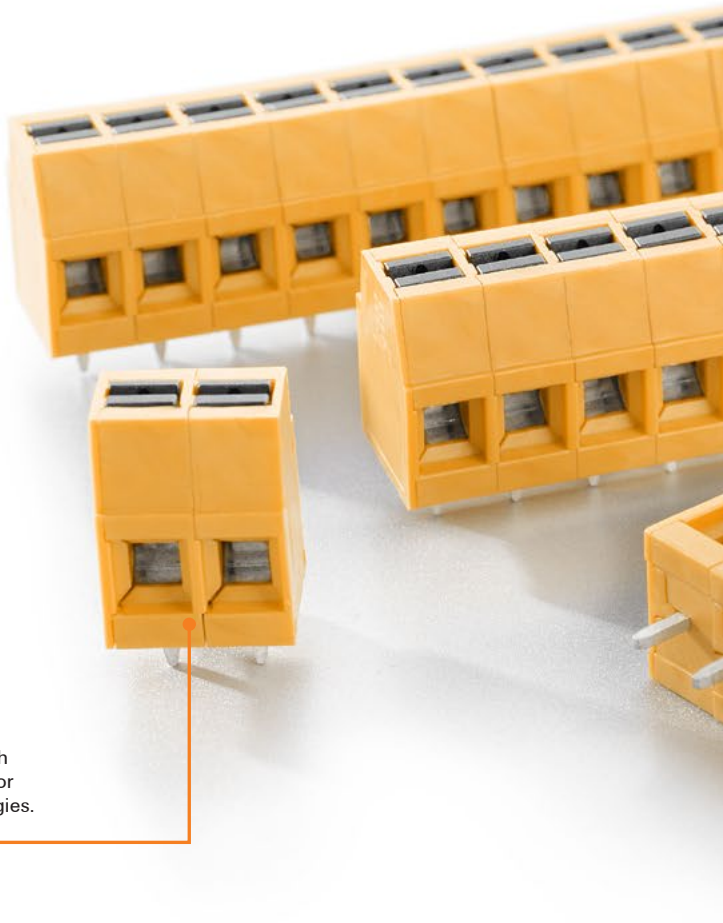
Add-on programs of PUSH IN PCB terminals are the LSF product lines

This terminal series for conductor cross-sections up to 1.5 mm² meets all the requirements of the automated assembly and reflow processes.

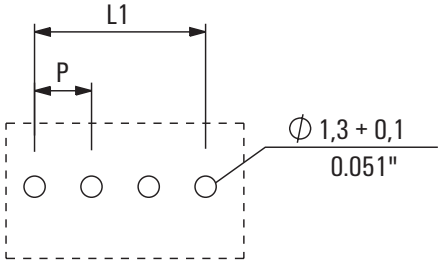
PUSH IN – PCB terminal

LMFV – PUSH IN terminal in pitch 5.00 and 7.50

Due to the PUSH IN connection technology, the new OMNIMATE® Signal LMFV PCB terminal blocks enable a particularly fast and safe device connection. Their layout is identical to the proven LM product family with clamping yoke connection. This gives device engineers the choice between the classic clamping yoke connection and the innovative PUSH IN connection. The LMFV PCB terminals have been optimised for wave soldering processes.



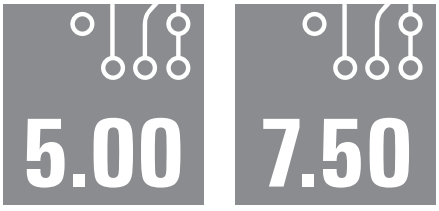
Twin-Design
Layout and design compatibility with OMNIMATE® LM PCB terminal blocks with clamping yoke connection technology – for variable use of both connection technologies.



High flexibility
Flexible selection of the connection technology makes it possible to achieve particularly precise solutions.



Two grid widths
For standard connections with 5.00 mm pitch and also suitable for higher voltages up to 500 volts with 7.50 mm pitch.

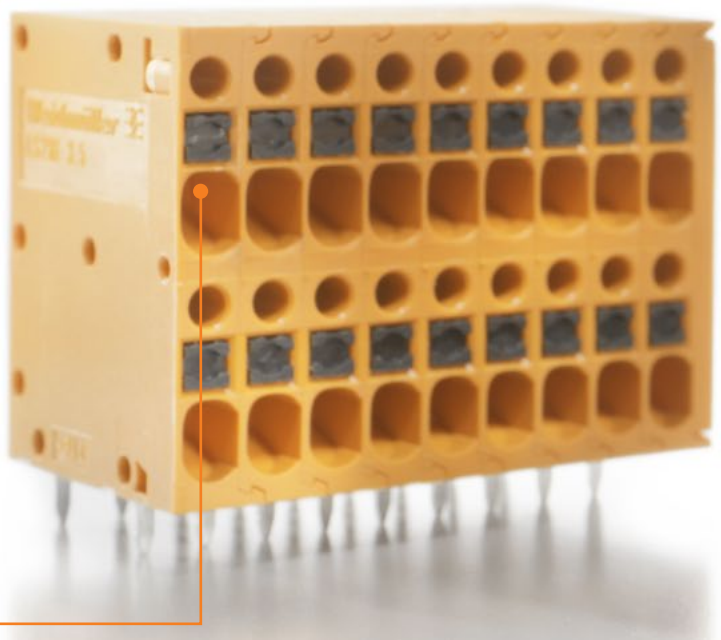


The simple way to connect wires with cross-sections up to 1.5 mm²
LS2HF with PUSH IN connection system on two connection levels

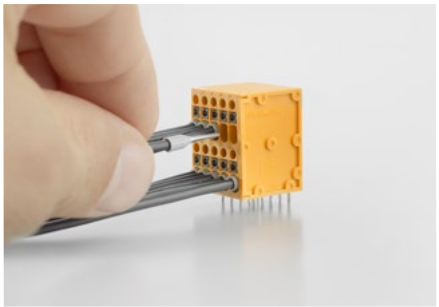
Ensuring compact dimensions through miniaturisation, while maintaining excellent functionality: these are the specific challenges faced when designing monitoring and I/O systems and devices in the field of building automation.

The new double-row OMNIMATE® Signal PCB terminal LS2HF meets both of these requirements at once thanks to the space-saving design and especially through the use of the time saving PUSH IN connection system. Optimised for wire cross-sections up to 1.5 mm² in a pitch dimension of 3.5 mm.

The LS2HF includes an integrated pusher for opening the contact in easiest way. An additional test point has also been integrated, making it easy to do necessary service measurements. The wire entry direction of 90° and the compact, double-row design of the LS2HF allows the simple integration into the front panel of a device.



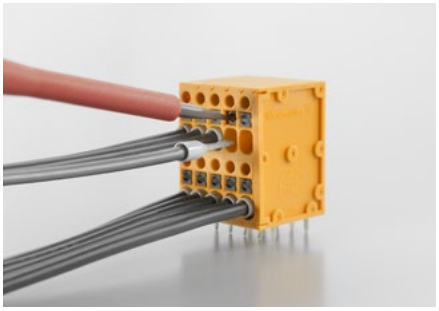
PUSH IN connection
Solid wires or wires with ferrules can plugged directly thanks to the PUSH IN connection technology, which saves time and ensures an reliable connection.

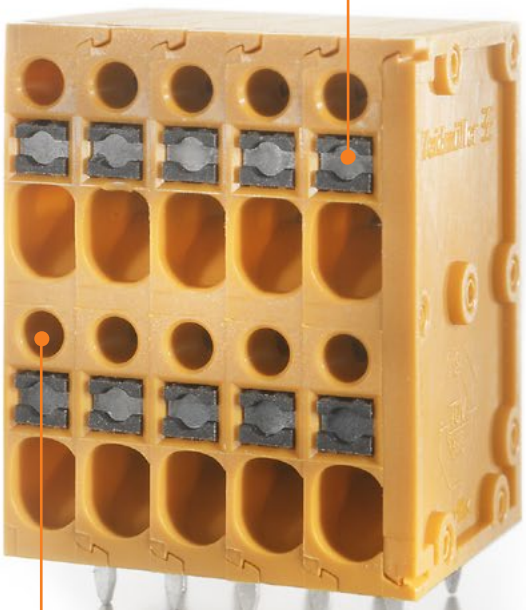


Integrated test point
Necessary maintenance and measurements can be carried out in a safe, reliable and convenient manner.



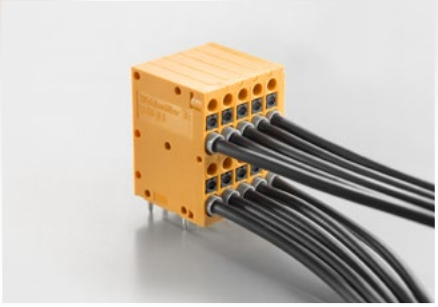
Reliable functionality
The PUSH IN contact can be opened easily by pressing the push button in a particularly fast and unmistakable way.





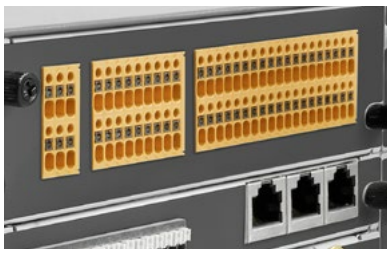


High component density
The compact design with PUSH IN connection system over two levels is perfectly suited for wire cross-sections up to 1.5 mm² in a pitch dimension of 3.5 mm.



Your special advantages:

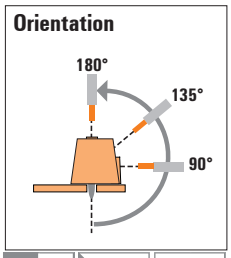
PCB connection within the smallest space
For those looking for a compact and simple connection solution for optional installation in a front panel, the double-level LS2HF will not disappoint.





Quick and safe wiring with excellent performance: the space-saving LS2HF PCB terminal allows a perfect integration into the front panel of a device, e.g. with industrial control units and frequency converters

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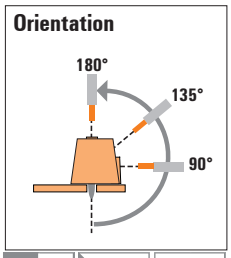


PCB terminals

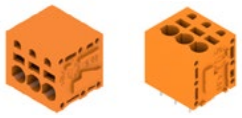
Type of connection		Clamping range		Type	IEC / UL	90°	135°	180°
Screw	Clamping yoke	≤ 1.5 mm²		LM	IEC: 320 V/16 A/0.5 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 14	●	●	
		≤ 2.5 mm²		LM	IEC: 630 V/17.5 A/0.2 - 2.5 mm² UL: 300 V/15 A/AWG 24 - 14	●	●	●
		≤ 6.0 mm²		LL	IEC: 500 V/32.5 A/0.5 - 6 mm² UL: 300 V/20 A/AWG 28 - 12	●		●
	Leaf spring	≤ 2.5 mm²		PM	IEC: 600 V/24 A/0.13 - 2.5 mm² UL: 300 V/15 A/AWG 26 -14	●		

Pitch, in mm	3.50		3.81	5.00			5.08			6.35	7.50	7.62	9.52		10.00	10.16
Number of Levels	1	2	1	1	2	3	1	2	3	1	1	1	1	2	1	1
THT	●	●		●		●	●	●	●							
THT	●	●														
THT	●															
THT	●			●			●	●	●							
THT	●			●			●									
THT	●			●			●									
THT	●			●	●	●	●	●	●				●		●	
THT	●															
THT	●			●			●									
THT	●			●			●									
THT	●															
THT	●															

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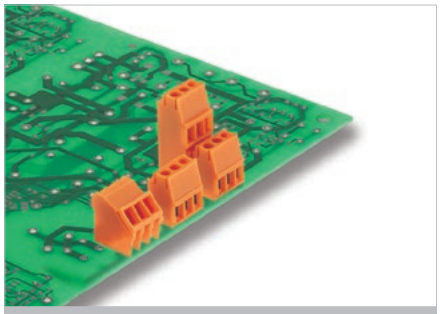


PCB terminals

Type of connection		Clamping range		Type	IEC / UL	90°	135°	180°
Spring	PUSH IN	≤ 1.5 mm²		LSF-SMT	IEC: 320 V/17.5 A/0.2 -1.5 mm² UL: 300 V/12 A/AWG 24 -16	●		
							●	
								●
				LSF-SMD	IEC: 320 V/17.5 A/0.2 - 1.5 mm² UL: 300 V/12 A/AWG 24 -16	●		
							●	
								●
				LMF	IEC: 400 V/24 A/0.2 - 2.5 mm² UL: 300 V/10 A /AWG 26 - 12	●		
								●
				LMFS	IEC: 400 V/24 A/0.2 - 2.5 mm² UL: 300 V/10 A/AWG 26 - 12	●		
								●
				LMFV	IEC: 630 V/17.5 A/0.2 - 2.5 mm² UL: 300 V/15 A/AWG 24 - AWG 14	●		
				LS2HF	IEC: 400 V/17 A/0.2 - 1.5 mm² UL: 150 V/12.5 A /AWG 26 - 16	●		
	Tension clamp	≤ 2.5 mm²		LMZFL	IEC: 630 V/24 A/0.13 - 2.5 mm² UL: 300 V/15 A/AWG 26 -14		●	
				LMZF	IEC: 630 V/24 A/0.13 - 2.5 mm² UL: 300 V/15 A/AWG 26 -14		●	
				LMZF	IEC: 630 V/24 A/0.13 - 2.5 mm² UL: 300 V/15 A/AWG 26 -14		●	

Pitch, in mm	3.50		3.81	5.00			5.08			6.35	7.50	7.62	9.52		10.00	10.16
Number of Levels	1	2	1	1	2	3	1	2	3	1	1	1	1	2	1	1
THT	●		●	●			●				●	●				
THT	●		●	●			●				●	●				
THT	●		●	●			●				●	●				
THR				●							●					
THR				●							●					
THR				●							●					
SMT				●			●				●					
SMT				●			●				●					
SMT				●			●									
SMT				●			●									
SMT				●			●				●					
SMT				●			●				●					
SMT				●			●									
SMT				●			●									
SMT				●			●				●					
SMT				●			●				●	●			●	●
SMT				●			●				●	●			●	●
SMT								●	●							

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

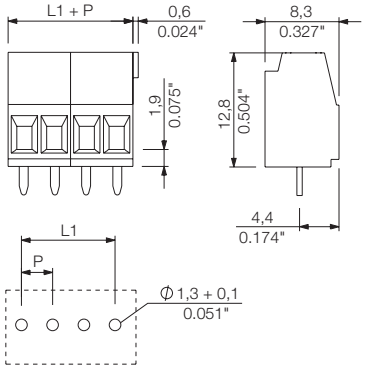
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 3.5/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...2.08		
Solid core H05(07) V-U	**mm²**	**0.5...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...1.5		
Flexible with ferrule				
Ferrule with plastic collar	mm²	0.5...0.75		
Stripping length	mm	5		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.2...0.25		
Rated current, max.	**A**	**16**		**14**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-2		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 0.6		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

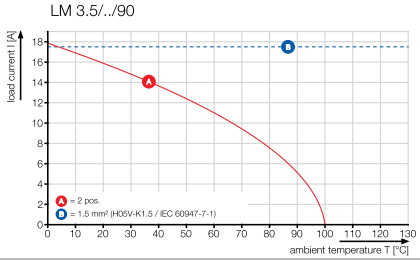
Ordering data

Solder pin length 3.2 mm
Colour orange

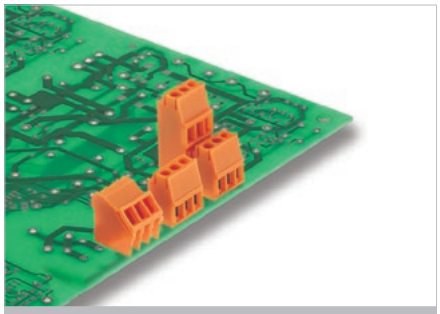
Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	246	1667750000
3	7.00	0.276	168	1667770000
4	10.50	0.413	126	1845040000
5	14.00	0.551	102	1720250000
6	17.50	0.689	84	1845050000
7	21.00	0.827	72	1845060000
8	24.50	0.965	60	1845070000
9	28.00	1.102	54	1845080000
10	31.50	1.240	48	1845090000
11	35.00	1.378	48	1845100000
12	38.50	1.516	42	1845110000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

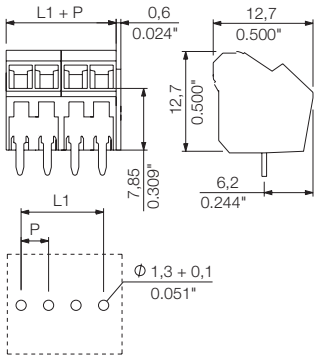
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 3.5/../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...2.08		
Solid core H05(07) V-U	**mm²**	**0.5...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...1.5		
Flexible with ferrule				
Ferrule with plastic collar	mm²	0.5...0.75		
Stripping length	mm	5		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.2...0.25		
Rated current, max.	**A**	**16**		**14**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material			PA	
UL 94 flammability rating			V-2	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 0.6	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

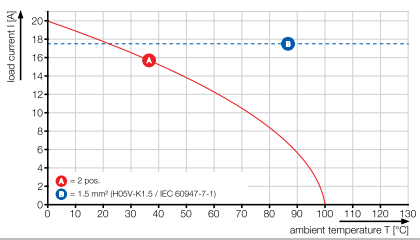
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

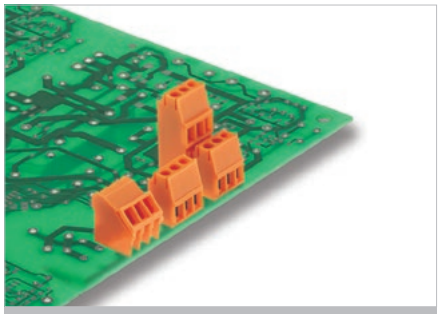
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.50	0.138	246	1714980000
3	7.00	0.276	168	1715020000
4	10.50	0.413	126	1845220000
5	14.00	0.551	102	1845230000
6	17.50	0.689	84	1845240000
7	21.00	0.827	72	1845250000
8	24.50	0.965	60	1845260000
9	28.00	1.102	54	1845270000
10	31.50	1.240	48	1845280000
11	35.00	1.378	48	1845290000
12	38.50	1.516	42	1845300000

Representative deratings curve

LM 3.5/../135



LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

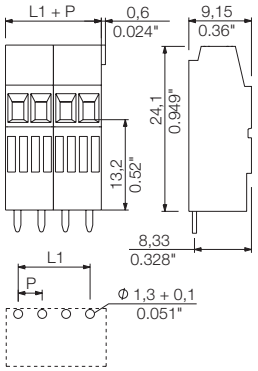
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM1N 3.5/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...2.08		
Solid core H05(07) V-U	**mm²**	**0.5...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...1.5		
Flexible with ferrule				
Ferrule with plastic collar	mm²	0.5...0.75		
Stripping length	mm	5		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.2...0.25		
Rated current, max.	**A**	**13**		**11**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material			PA	
UL 94 flammability rating			V-2	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 0.6	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

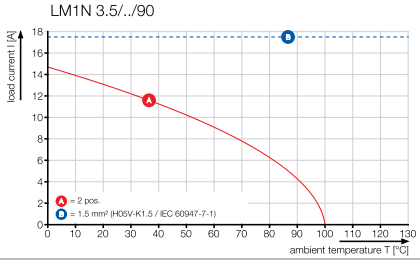
Ordering data

Solder pin length 3.2 mm
Colour orange

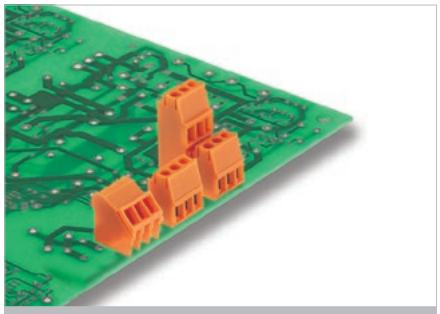
Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1716710000
3	7.00	0.276	100	1716720000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

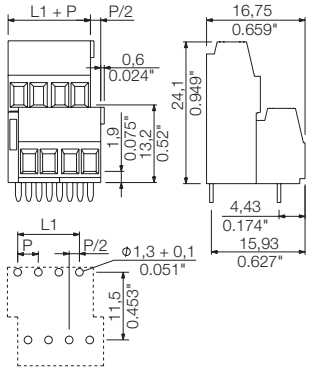
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2N 3.5/../90

multi-row



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...2.08		
Solid core H05(07) V-U	**mm²**	**0.5...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...1.5		
Flexible with ferrule				
Ferrule with plastic collar	mm²	0.5...0.75		
Stripping length	mm	5		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.2...0.2		
Rated current, max.	**A**	**13**		**11**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-2		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 0.6		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

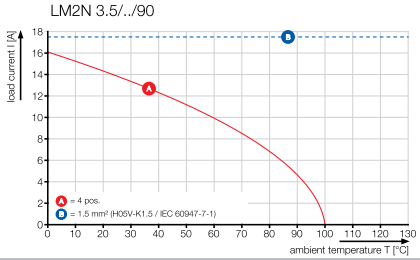
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

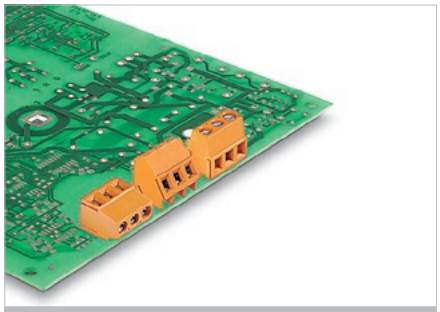
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.50	0.138	100	1703700000
6	7.00	0.276	100	1703710000
8	10.50	0.413	100	1703720000
10	14.00	0.551	50	1703730000
12	17.50	0.689	50	1703740000
14	21.00	0.827	50	1703750000
16	24.50	0.965	50	1703760000
18	28.00	1.102	50	1703770000
20	31.50	1.240	50	1703780000
22	35.00	1.378	25	1703790000
24	38.50	1.516	25	1703800000

Representative deratings curve



LM 5.00



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

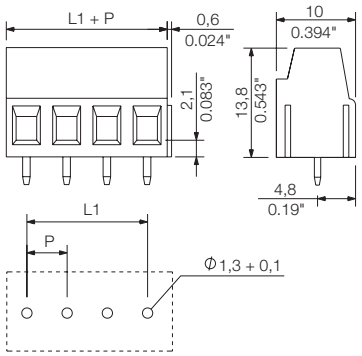
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**24-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG		24-14	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

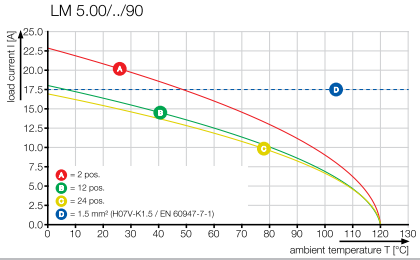
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	500	1715310000
3	10.00	0.394	500	1715320000
4	15.00	0.591	50	1821490000
5	20.00	0.787	72	1845310000
6	25.00	0.984	60	1845320000
7	30.00	1.181	50	1845330000
8	35.00	1.378	50	1845340000
9	40.00	1.575	50	1845350000
10	45.00	1.772	36	1845360000
11	50.00	1.969	30	1845370000
12	55.00	2.165	30	1845380000

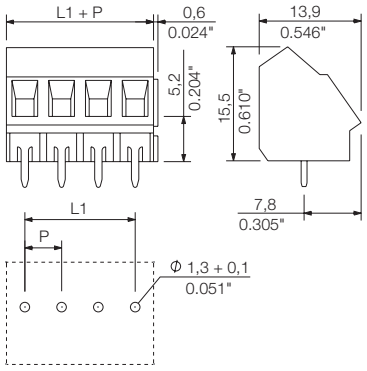
Representative deratings curve



LM 5.00/../135



Dimensioned drawing



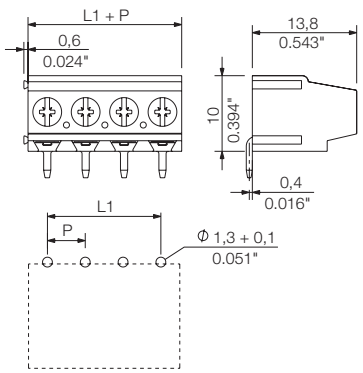
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715350000
3	10.00	0.394	500	1715360000
4	15.00	0.591	50	1845390000
5	20.00	0.787	50	1845400000
6	25.00	0.984	50	1845410000
7	30.00	1.181	50	1845420000
8	35.00	1.378	50	1845430000
9	40.00	1.575	50	1845440000
10	45.00	1.772	50	1845450000
11	50.00	1.969	50	1845460000
12	55.00	2.165	50	1845470000

LM 5.00/../180



Dimensioned drawing

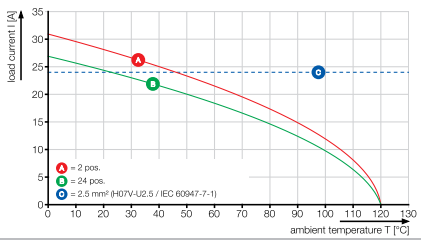


Ordering data

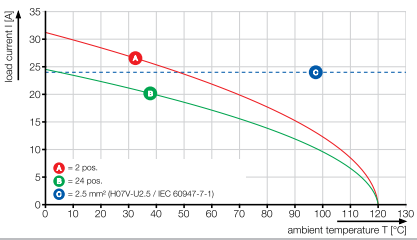
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715330000
3	10.00	0.394	500	1715340000
4	15.00	0.591	50	1234230000
5	20.00	0.787	50	1234240000
6	25.00	0.984	50	1234250000
7	30.00	1.181	50	1234270000
8	35.00	1.378	50	1234280000
9	40.00	1.575	50	1234290000
10	45.00	1.772	50	1234310000
11	50.00	1.969	50	1234320000
12	55.00	2.165	50	1234330000

Additional deratings curves

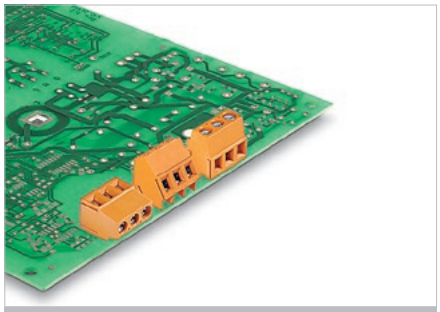
LM 5.00/../135



LM 5.00/../180



LM 5.08



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

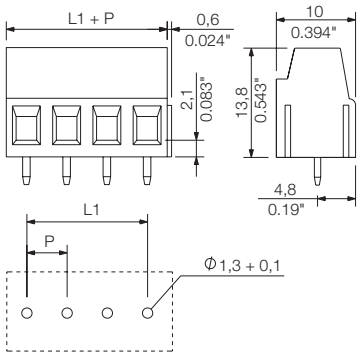
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 5.08/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**24-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG		24-14	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

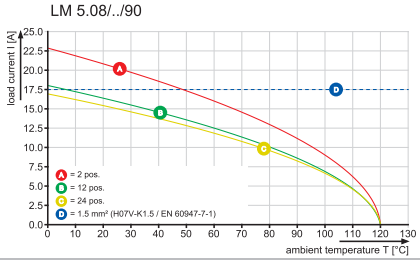
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	500	1716080000
3	10.16	0.400	500	1716090000
4	15.24	0.600	50	9994130000
5	20.32	0.800	50	9994140000
6	25.40	1.000	60	9994150000
7	30.48	1.200	48	9994160000
8	35.56	1.400	42	9994170000
9	40.64	1.600	36	9994180000
10	45.72	1.800	36	9994190000
11	50.80	2.000	30	9994200000
12	55.88	2.200	30	9994210000

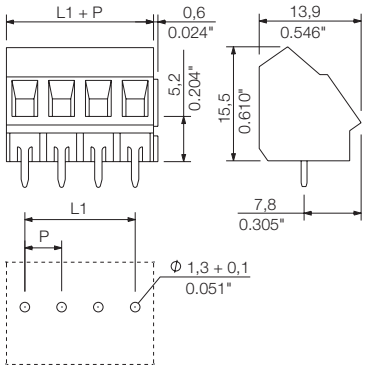
Representative deratings curve



LM 5.08/../135



Dimensioned drawing



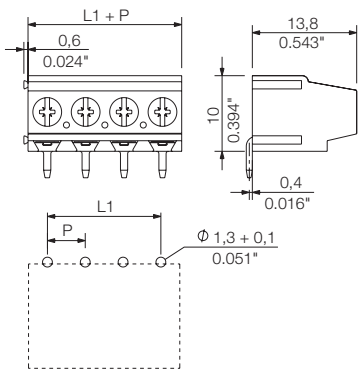
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	500	1716120000
3	10.16	0.400	500	1716130000
4	15.24	0.600	50	9994550000
5	20.32	0.800	50	9994560000
6	25.40	1.000	50	9994570000
7	30.48	1.200	50	9994580000
8	35.56	1.400	50	9994590000
9	40.64	1.600	50	9994600000
10	45.72	1.800	50	9994610000
11	50.80	2.000	50	9994620000
12	55.88	2.200	50	9994630000

LM 5.08/../180



Dimensioned drawing

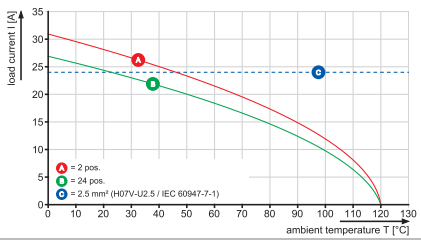


Ordering data

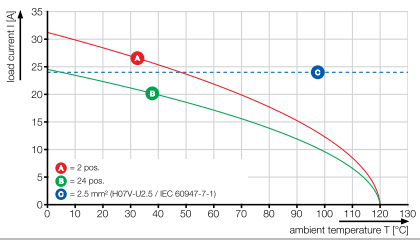
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	500	1716100000
3	10.16	0.400	500	1716110000
4	15.24	0.600	50	9994970000
5	20.32	0.800	50	9994980000
6	25.40	1.000	50	9994990000
7	30.48	1.200	50	9995000000
8	35.56	1.400	50	9995010000
9	40.64	1.600	50	9995020000
10	45.72	1.800	50	9995030000
11	50.80	2.000	50	9995040000
12	55.88	2.200	50	9995050000

Additional deratings curves

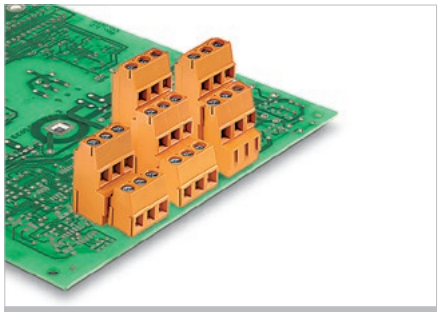
LM 5.08/../135



LM 5.08/../180



LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

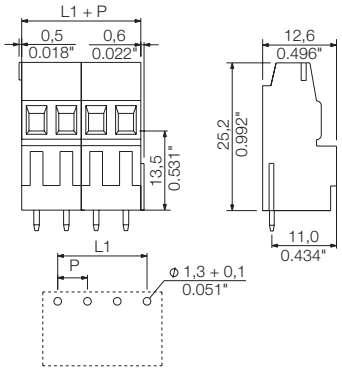
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM1N 5.08/../90

single row medium



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**24-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG	24-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

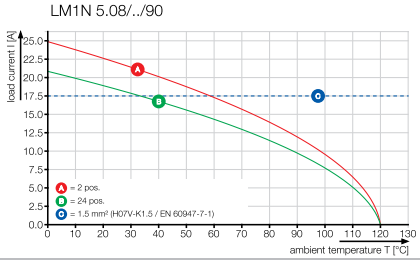
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	100	1766300000
3	10.16	0.400	100	1766310000

Representative deratings curve

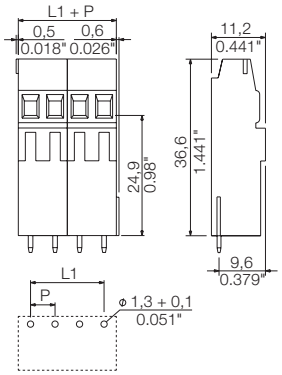


LM1H 5.08/../90

single row high



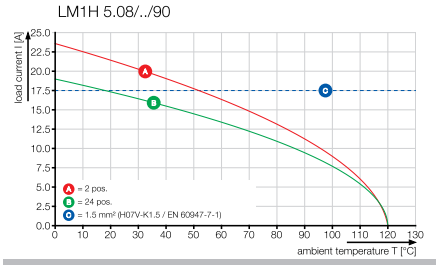
Dimensioned drawing



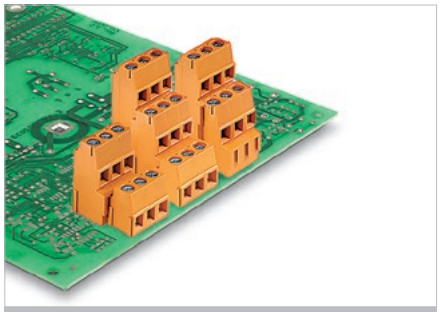
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1766360000
3	10.16	0.400	100	1766370000

Additional deratings curves



LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

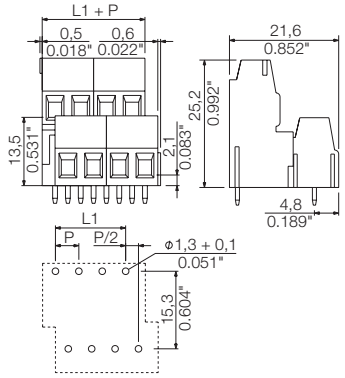
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2N 5.08/../90

double row low



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**24-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18		10
AWG conductor	AWG	24-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

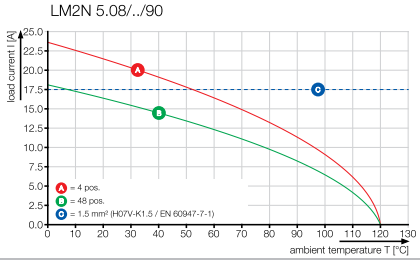
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.08	0.200	92	1768850000
6	10.16	0.400	64	1768860000
8	15.24	0.600	56	1768870000
10	20.32	0.800	44	1768880000
12	25.40	1.000	36	1768890000
14	30.48	1.200	32	1768900000
16	35.56	1.400	28	1768910000
18	40.64	1.600	24	1768920000
20	45.72	1.800	20	1768930000
22	50.80	2.000	20	1768940000
24	55.88	2.200	16	1768950000

Representative deratings curve

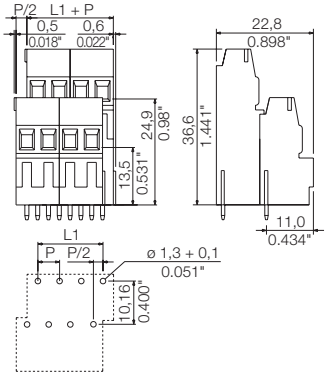


LM2H 5.08/../90

double row high



Dimensioned drawing



Ordering data

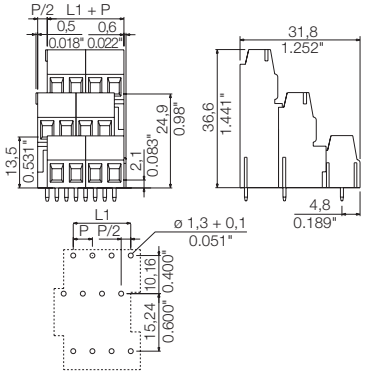
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1769240000
6	10.16	0.400	50	1769250000
8	15.24	0.600	50	1769260000
10	20.32	0.800	50	1769270000
12	25.40	1.000	20	1769280000
14	30.48	1.200	20	1769290000
16	35.56	1.400	20	1769300000
18	40.64	1.600	20	1769310000
20	45.72	1.800	20	1769320000
22	50.80	2.000	20	1769330000
24	55.88	2.200	10	1769340000

LM3R 5.08/../90

triple row



Dimensioned drawing

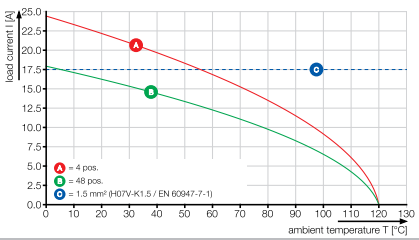


Ordering data

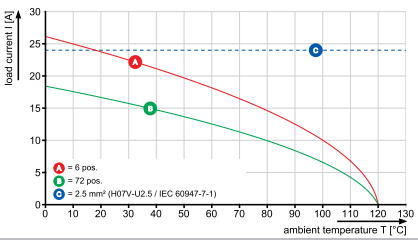
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1769620000
9	10.16	0.400	50	1769630000
12	15.24	0.600	50	1769640000
15	20.32	0.800	25	1769650000
18	25.40	1.000	25	1769660000
21	30.48	1.200	20	1769670000
24	35.56	1.400	20	1769680000
27	40.64	1.600	20	1769690000
30	45.72	1.800	10	1769700000
33	50.80	2.000	10	1769710000
36	55.88	2.200	10	1769720000

Additional deratings curves

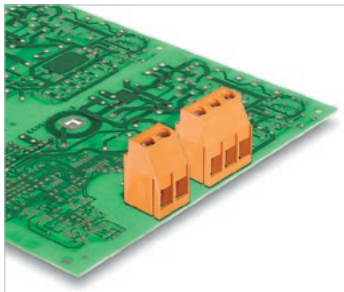
LM2H 5.08/../90



LM3R 5.08/../90



LL 5.00 & LL 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 and 5.08 mm pitches, suitable for wire cross-sections up to 6.0 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

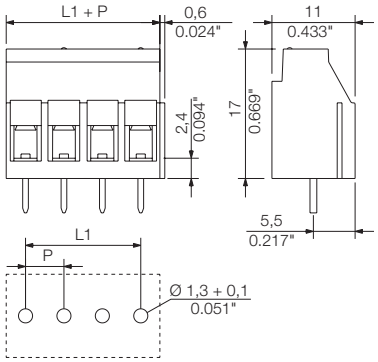
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32.5**		**27.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.75 x 0.9		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

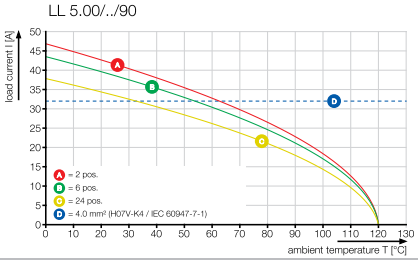
Ordering data

Solder pin length 3.2 mm
Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1934270000
3	10.00	0.394	114	1934280000
4	15.00	0.591	90	1001720000
5	20.00	0.788	72	1001730000
6	25.00	0.985	60	1001740000
7	30.00	1.182	48	1001750000
8	35.00	1.379	42	1001760000
9	40.00	1.576	36	1001770000
10	45.00	1.773	36	1001780000
11	50.00	1.970	30	1001790000
12	55.00	2.167	30	1001800000

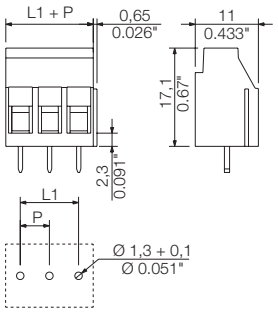
Representative deratings curve



LL 5.08/../90



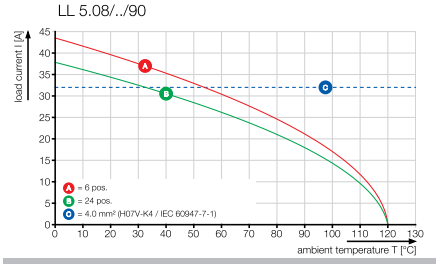
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1934250000
3	10.16	0.400	100	1934260000
4	15.24	0.600	84	1001850000
5	20.32	0.800	66	1001860000
6	25.40	1.000	60	1001870000
7	30.48	1.200	48	1001880000
8	35.56	1.400	42	1001890000
9	40.64	1.600	36	1001900000
10	45.72	1.800	36	1001910000
11	50.80	2.000	30	1001920000
12	55.88	2.200	30	1001930000

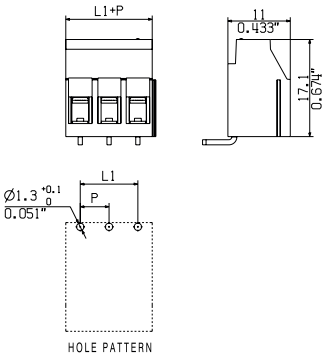
Additional deratings curves



LL 5.00/../180



Dimensioned drawing



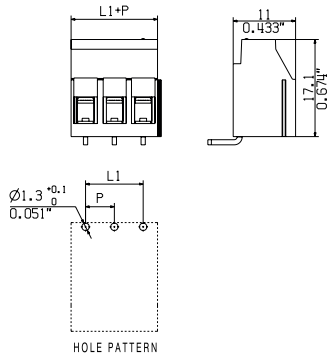
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	174	1994230000
3	10.00	0.394	114	1994240000
4	15.00	0.591	90	2429470000
5	20.00	0.788	72	2429530000
6	25.00	0.985	60	2429540000
7	30.00	1.182	48	2429550000
8	35.00	1.379	42	2429560000
9	40.00	1.576	36	2429570000
10	45.00	1.773	36	2429580000
11	50.00	1.970	30	2429590000
12	55.00	2.167	30	2429600000

LL 5.08/../180



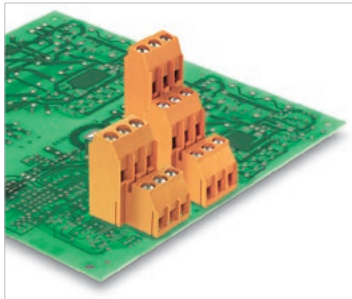
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	168	1994250000
3	10.16	0.400	114	1994260000
4	15.24	0.600	84	2429810000
5	20.32	0.800	66	2431930000
6	25.40	1.000	60	2431950000
7	30.48	1.200	48	2431960000
8	35.56	1.400	42	2431970000
9	40.64	1.600	36	2431980000
10	45.72	1.800	36	2431990000
11	50.80	2.000	30	2432000000
12	55.88	2.200	30	2432010000

LL 5.00, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

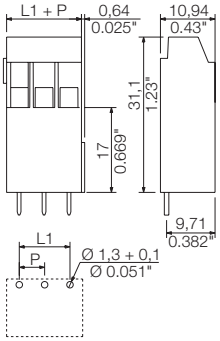
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL1N 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32.5**		**27.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.75 x 0.9		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

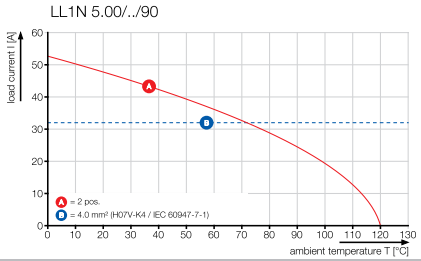
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1975250000
3	10.00	0.394	100	1975260000
4	15.00	0.591	100	1975270000
5	20.00	0.788	50	1975280000
6	25.00	0.985	50	1975290000
7	30.00	1.182	50	1975300000
8	35.00	1.379	50	1975310000
9	40.00	1.576	50	1975320000
10	45.00	1.773	50	1975330000
11	50.00	1.970	50	1975340000
12	55.00	2.167	50	1975350000

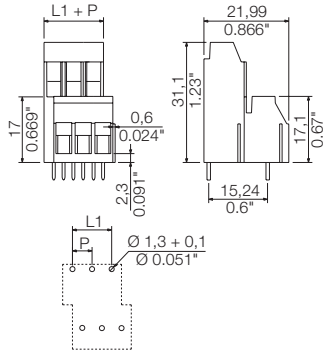
Representative deratings curve



LL2N 5.00/../90



Dimensioned drawing



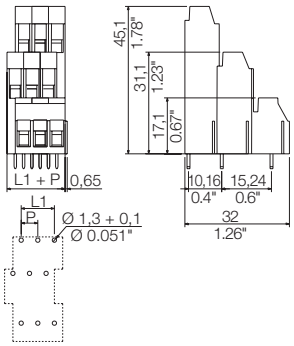
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1934310000
8	15.00	0.591	50	1977260000
12	25.00	0.984	50	1977280000
16	35.00	1.378	20	1977310000
20	45.00	1.772	20	1977330000
24	55.00	2.165	10	1977350000

LL3R 5.00/../90



Dimensioned drawing

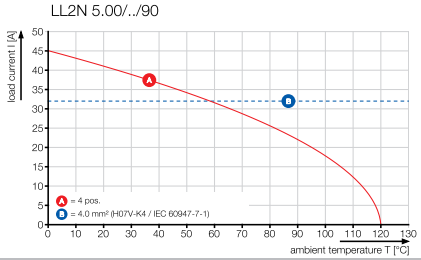


Ordering data

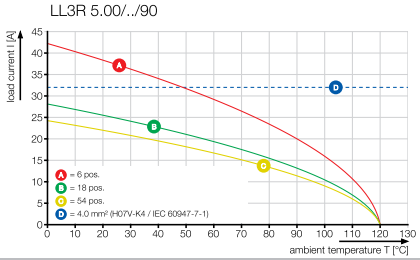
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	5.00	0.492	50	1934360000
12	15.00	0.886	50	1978850000
18	25.00	1.280	25	1978870000
24	35.00	1.673	20	1978890000

Additional deratings curves

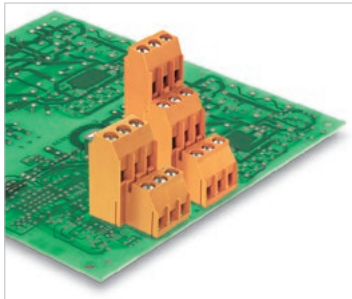
LL2N 5.00/../90



LL3R 5.00/../90



LL 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

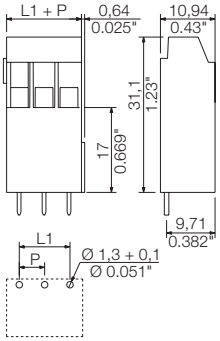
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL1N 5.08/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32.5**		**27.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.75 x 0.9		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

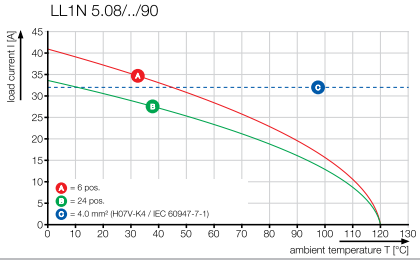
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1975360000
3	10.16	0.400	100	1975370000
4	15.24	0.600	100	1975380000
5	20.32	0.800	50	1975390000
6	25.40	1.000	50	1975400000
7	30.48	1.200	50	1975410000
8	35.56	1.400	50	1975420000
9	40.64	1.600	50	1975430000
10	45.72	1.800	50	1975440000
11	50.80	2.000	50	1975460000
12	55.88	2.200	50	1975470000

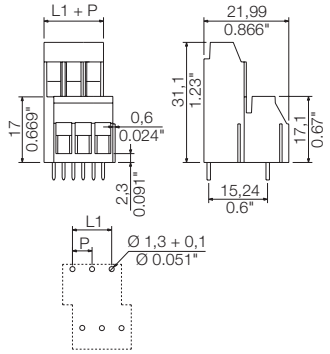
Representative deratings curve



LL2N 5.08/../90



Dimensioned drawing



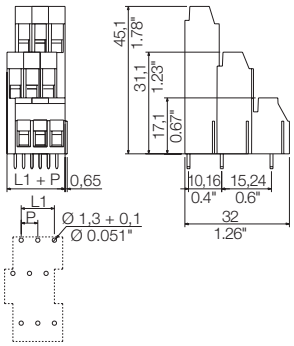
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
8	15.24	0.600	50	1977480000
12	25.40	1.000	50	1977500000
16	35.56	1.400	20	1977520000
20	45.72	1.800	20	1977540000
24	55.88	2.200	10	1977560000

LL3R 5.08/../90



Dimensioned drawing

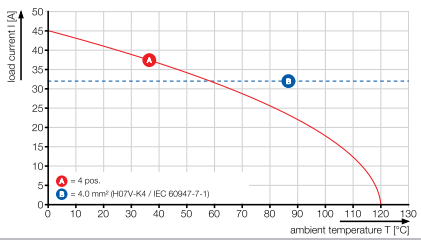


Ordering data

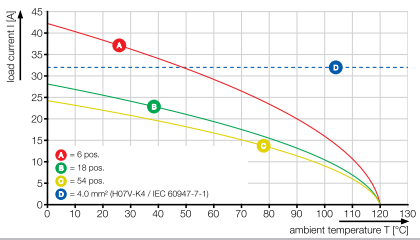
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1934340000
12	15.24	0.600	50	1979060000
18	25.40	1.000	25	1979080000
24	35.56	1.400	20	1979100000
30	45.72	1.800	10	1979120000
36	55.88	2.200	10	1979140000

Additional deratings curves

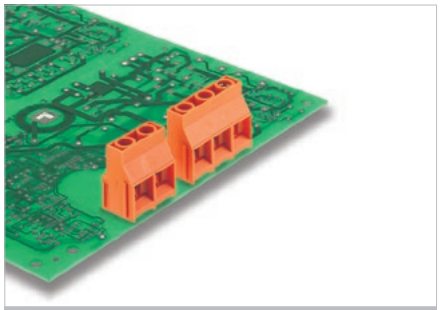
LL2N 5.08/../90



LL3R 5.08/../90



LL 9.52



Single-row PCB terminal with our proven clamping-yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

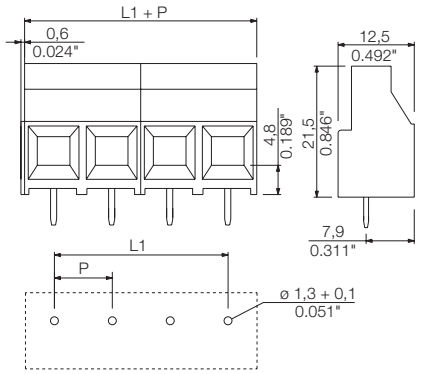
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 9.52/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.18...6		
Solid core H05(07) V-U	**mm²**	**0.18...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.22...4		
Flexible with ferrule	mm²	0.5...4		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.8 x 4.0		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	
Rated current	**A**	**30**	**30**	
AWG conductor	**AWG**		**26-10**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	
Rated current	A	30	35	
AWG conductor	AWG		26-10	
General data				
Type of insulation material			Wemid (PA)	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.5 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

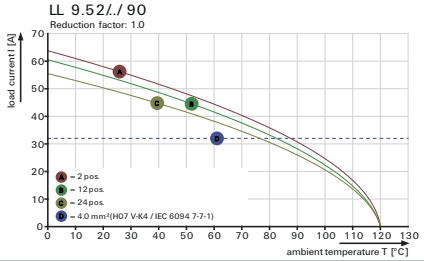
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.8X4.0X100	2749360000
	SDIS 0.8X4.0X100	2749820000
	SDK PZ1 X 80	2749440000

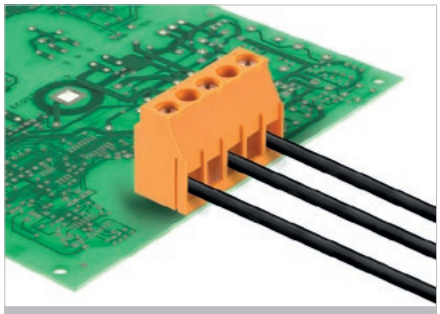
Ordering data

Solder pin length				5 mm
Colour				orange
Pitch	**9.52 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	9.52	0.375	100	1724680000
3	19.04	0.750	100	1724690000

Representative deratings curve



LL 10.00



Single-row PCB terminal with proven tension clamp screw connection on a 10.00 mm pitch suitable for conductor cross-sections up to 6.0 mm².

- Increased derating reserves through the use of the insulating material WEMID
- Conductor exit direction in 90° design

Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

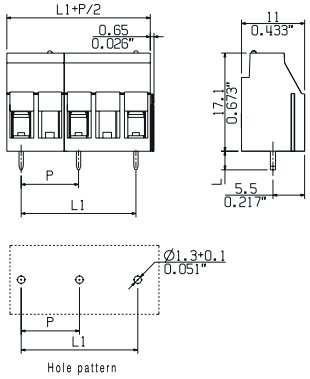
Note:

- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 10.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	V	8	8	1000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**30**		**10**
AWG conductor	**AWG**		**26-10**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	30		10
AWG conductor	AWG		26-10	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.75 x 0.9		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

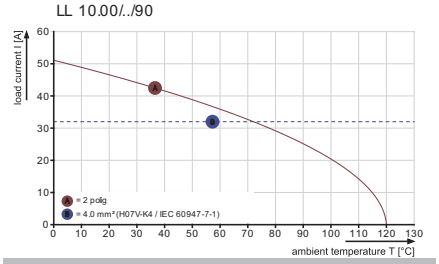
Accessories

Note: Refer to the Accessories chapter for additional accessories.

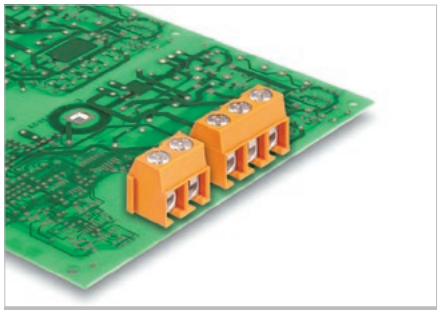
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**10.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.00	0.394	100	2613390000
3	20.00	0.787	50	2613340000

Representative deratings curve



PM 5.00/../90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

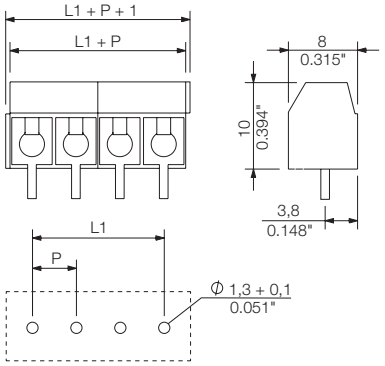
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PM 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.13...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.13...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**250**	**600**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**26-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		26-14	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

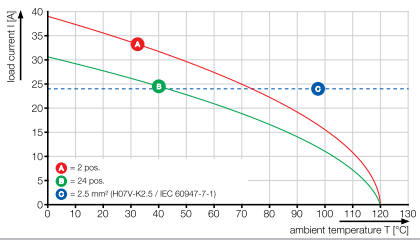
Screwdriver		Order No.
	SDIS 0.6X3.5X100	2749810000

Ordering data

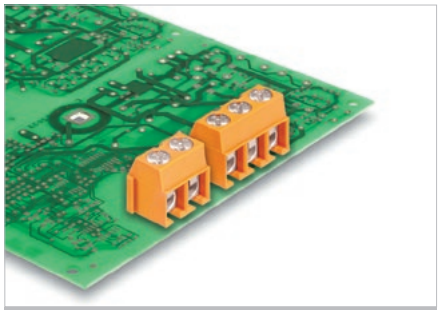
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.00	0.197	500	1791610000
3	10.00	0.394	500	1791620000
4	15.00	0.591	100	1234650000
5	20.00	0.787	100	1234670000
6	25.00	0.394	100	1234680000
7	30.00	1.181	100	1234690000
8	35.00	1.378	100	1234700000
9	40.00	1.575	100	1234710000
10	45.00	1.772	100	1234720000
11	50.00	1.969	100	1234730000
12	55.00	2.165	100	1234740000

Representative deratings curve

PM 5.00/../90 & PM 5.08/../90



PM 5.08/../90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

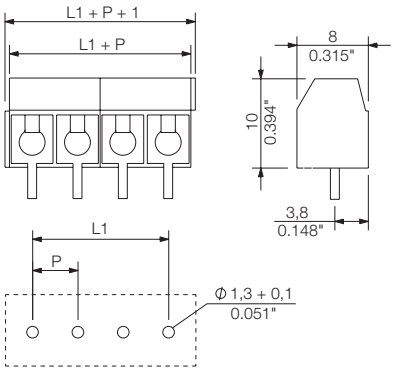
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PM 5.08/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.13...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.13...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**250**	**600**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**26-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		26-14	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

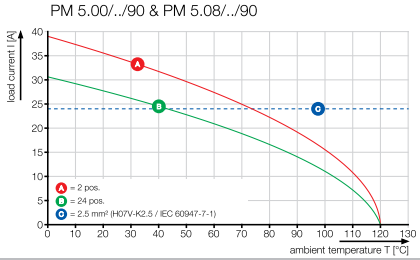
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	2749810000

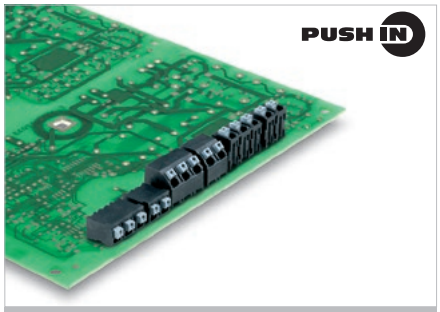
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	500	1760490000
3	10.16	0.400	500	1760500000
4	15.24	0.600	100	1234550000
5	20.32	0.800	100	1234570000
6	25.40	1.000	100	1234580000
7	30.48	1.200	100	1234590000
8	35.56	1.400	100	1234600000
9	40.64	1.600	100	1234610000
10	45.72	1.800	50	1234620000
11	50.80	2.000	100	1234630000
12	55.88	2.200	100	1234640000

Representative deratings curve



LSF-SMT 3.5/../90



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

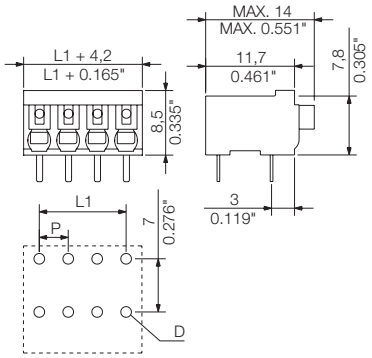
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.5/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

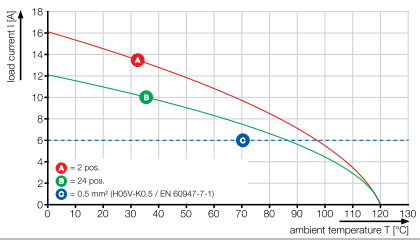
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1870500000	1824420000
3	7.00	0.276	49	1870530000	1824430000
4	10.50	0.413	37	1870550000	1824440000
5	14.00	0.551	30	1870580000	1824450000
6	17.50	0.689	25	1870590000	1824460000
7	21.00	0.827	21	1871020000	1824470000
8	24.50	0.965	19	1871030000	1824480000
9	28.00	1.102	17	1871040000	1824490000
10	31.50	1.240	15	1871050000	1824500000
11	35.00	1.378	14	1871060000	1824510000
12	38.50	1.516	12	1871070000	1824520000

Representative deratings curve

LSF-SMT 3.5/../90 3.5



LSF-SMT 3.5/../90 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

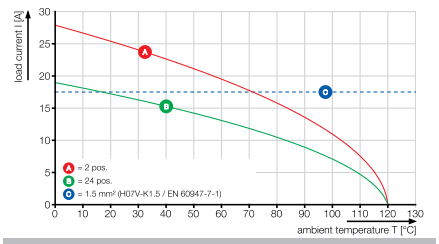
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	265	1874690000	1874990000
3	7.00	0.276	265	1874710000	1875030000
4	10.50	0.413	265	1874730000	1875050000
5	14.00	0.551	265	1874740000	1875070000
6	17.50	0.689	265	1874810000	1875080000
7	21.00	0.827	265	1874840000	1875100000
8	24.50	0.965	265	1874890000	1875110000
9	28.00	1.102	265	1874900000	1875120000
10	31.50	1.240	265	1874930000	1875130000
11	35.00	1.378	265	1874940000	1875140000
12	38.50	1.516	265	1874970000	1875160000

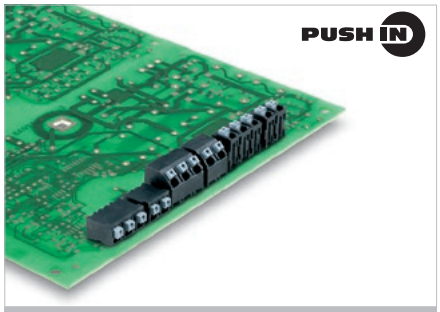
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 3.5/../90 3.5



LSF-SMT 3.5/../135



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

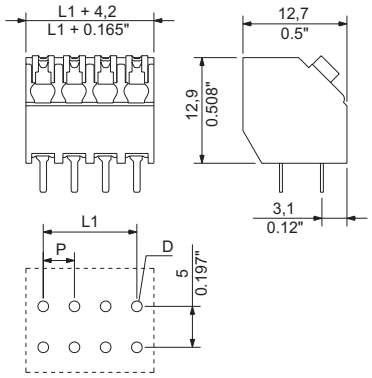
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.5/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

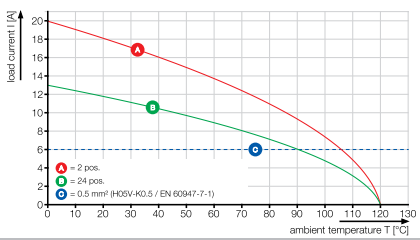
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1885180000	1885650000
3	7.00	0.276	49	1885190000	1885660000
4	10.50	0.413	37	1885200000	1885670000
5	14.00	0.551	30	1885210000	1885680000
6	17.50	0.689	25	1885220000	1885690000
7	21.00	0.827	21	1885230000	1885700000
8	24.50	0.965	19	1885240000	1885710000
9	28.00	1.102	17	1885250000	1885720000
10	31.50	1.240	15	1885260000	1885730000
11	35.00	1.378	14	1885270000	1885740000
12	38.50	1.516	12	1885280000	1885750000

Representative deratings curve

LSF-SMT 3.5/../135 1.5



LSF-SMT 3.5/../135 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

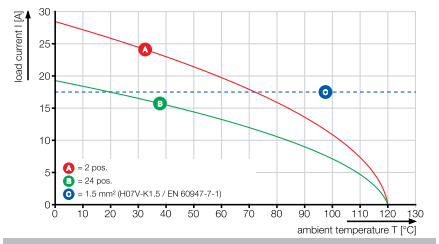
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	190	1887550000	1887340000
3	7.00	0.276	190	1887560000	1887350000
4	10.50	0.413	190	1887580000	1887360000
5	14.00	0.551	190	1887630000	1887460000
6	17.50	0.689	190175	1887640000	1887470000
7	21.00	0.827	190	1887650000	1887480000
8	24.50	0.965	190	1887660000	1887490000
9	28.00	1.102	190	1887670000	1887500000
10	31.50	1.240	190	1887680000	1887510000
11	35.00	1.378	190	1887690000	1887520000
12	38.50	1.516	190	1887700000	1887530000

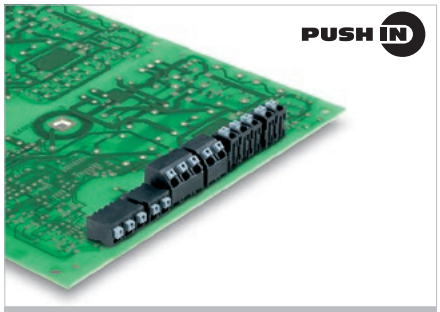
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 3.5/../135 1.5



LSF-SMT 3.5/../180



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

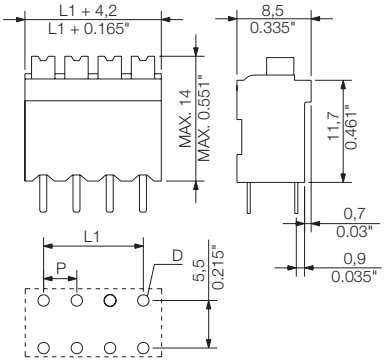
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.5/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

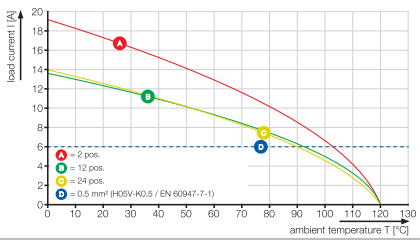
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1870640000	1825640000
3	7.00	0.276	49	1870650000	1825650000
4	10.50	0.413	37	1870660000	1825660000
5	14.00	0.551	30	1870670000	1825670000
6	17.50	0.689	25	1870680000	1825680000
7	21.00	0.827	21	1870690000	1825690000
8	24.50	0.965	19	1870700000	1825700000
9	28.00	1.102	17	1870710000	1825710000
10	31.50	1.240	15	1870720000	1825720000
11	35.00	1.378	14	1870730000	1825730000
12	38.50	1.516	12	1870740000	1825740000

Representative deratings curve

LSF-SMT 3.5/../180 3.5



LSF-SMT 3.5/../180 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

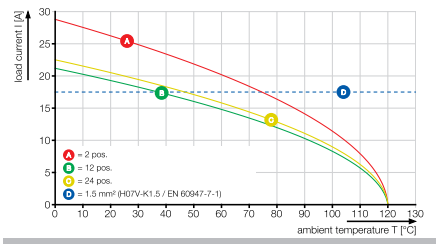
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	175	1874490000	1874510000
3	7.00	0.276	175	1874300000	1874520000
4	10.50	0.413	175	1874280000	1874540000
5	14.00	0.551	175	1874310000	1874560000
6	17.50	0.689	175	1874320000	1874590000
7	21.00	0.827	175	1874340000	1874600000
8	24.50	0.965	175	1874350000	1874610000
9	28.00	1.102	175	1874370000	1874620000
10	31.50	1.240	175	1874380000	1874640000
11	35.00	1.378	175	1874400000	1874660000
12	38.50	1.516	175	1874420000	1874680000

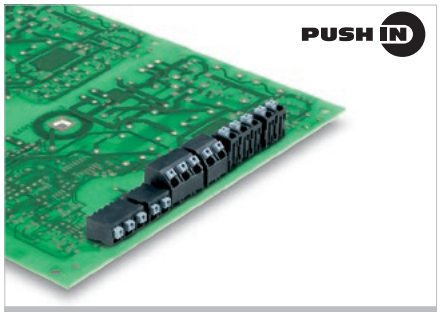
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 3.5/../180 3.5



LSF-SMT 3.81/../90



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

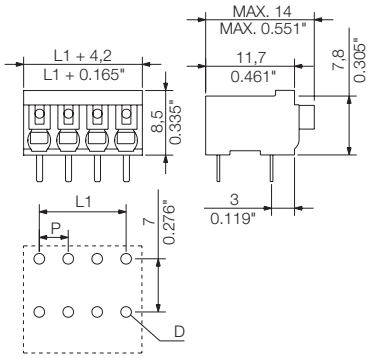
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.81/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

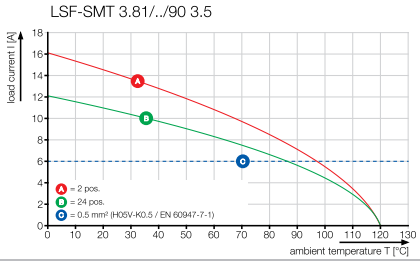
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1869360000	1824620000
3	7.62	0.300	46	1869370000	1824630000
4	11.43	0.450	35	1869380000	1824640000
5	15.24	0.600	28	1869390000	1824650000
6	19.05	0.750	23	1869400000	1824660000
7	22.86	0.900	20	1869410000	1824690000
8	26.67	1.050	17	1869420000	1824700000
9	30.48	1.200	15	1869430000	1824710000
10	34.29	1.350	14	1869440000	1824720000
11	38.10	1.500	13	1869450000	1824730000
12	41.91	1.650	12	1869460000	1825300000

Representative deratings curve



LSF-SMT 3.81/../90 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

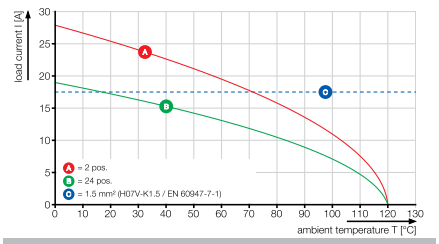
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	265	1875170000	1875920000
3	7.62	0.300	265	1875230000	1875930000
4	11.43	0.450	265	1875240000	1875940000
5	15.24	0.600	265	1875250000	1875950000
6	19.05	0.750	265	1875260000	1875960000
7	22.86	0.900	265	1875270000	1875970000
8	26.67	1.050	265	1875280000	1875980000
9	30.48	1.200	265	1875290000	1875990000
10	34.29	1.350	265	1875300000	1876000000
11	38.10	1.500	265	1875310000	1876010000

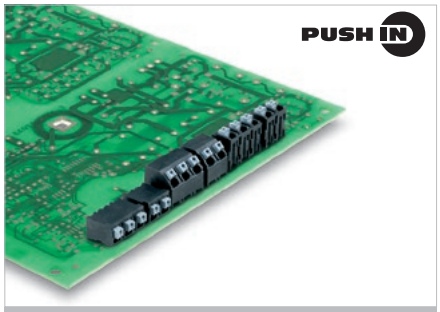
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 3.81/../90 3.5



LSF-SMT 3.81/../135



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

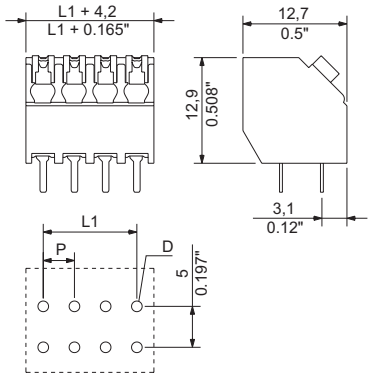
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.81/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

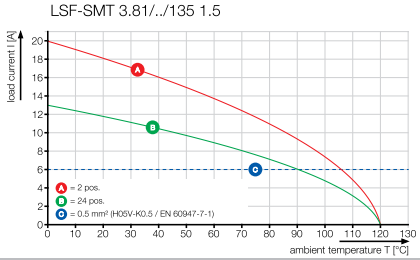
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1885410000	1885880000
3	7.62	0.300	46	1885420000	1885890000
4	11.43	0.450	35	1885430000	1885900000
5	15.24	0.600	28	1885440000	1885910000
6	19.05	0.750	23	1885450000	1885920000
7	22.86	0.900	20	1885460000	1885930000
8	26.67	1.050	17	1885470000	1885940000
9	30.48	1.200	15	1885480000	1885950000
10	34.29	1.350	14	1885490000	1885960000
11	38.10	1.500	13	1885510000	1885970000
12	41.91	1.650	12	1885520000	1885980000

Representative deratings curve



LSF-SMT 3.81/../135 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

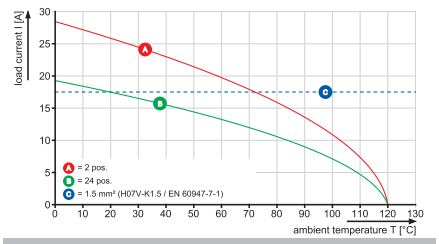
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	175	1888450000	1888320000
3	7.62	0.300	190	1888460000	1888330000
4	11.43	0.450	190	1888470000	1888340000
5	15.24	0.600	190	1888480000	1888380000
6	19.05	0.750	190	1888490000	1888390000
7	22.86	0.900	190	1888500000	1888400000
8	26.67	1.050	190	1888510000	1888410000
9	30.48	1.200	190	1888520000	1888420000
10	34.29	1.350	190	1888530000	1888430000
11	38.10	1.500	190	1888540000	1888440000

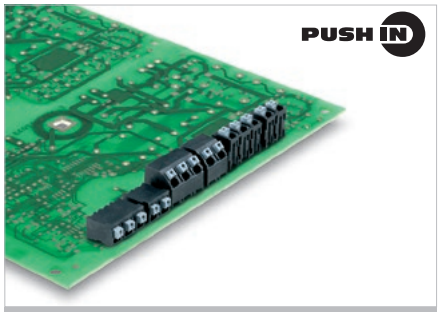
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 3.81/../135 1.5



LSF-SMT 3.81/../180



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

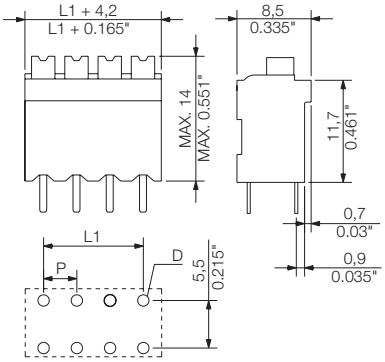
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.81/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

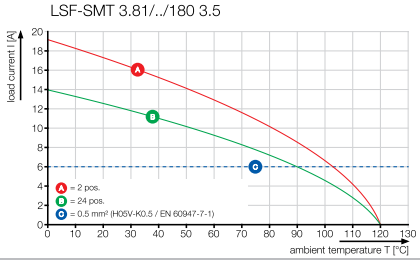
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1869890000	1825790000
3	7.62	0.300	46	1869900000	1825800000
4	11.43	0.450	35	1869910000	1825810000
5	15.24	0.600	28	1869920000	1825820000
6	19.05	0.750	23	1869930000	1825830000
7	22.86	0.900	20	1869940000	1825840000
8	26.67	1.050	17	1869950000	1825850000
9	30.48	1.200	15	1869960000	1825870000
10	34.29	1.350	14	1869970000	1825880000
11	38.10	1.500	13	1870000000	1825890000
12	41.91	1.650	12	1870010000	1825920000

Representative deratings curve



LSF-SMT 3.81/../180 Tape

Reflow-compatible PCB terminal



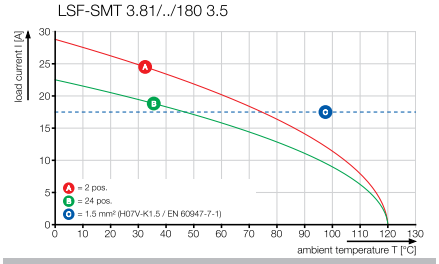
Dimensioned drawing

Ordering data

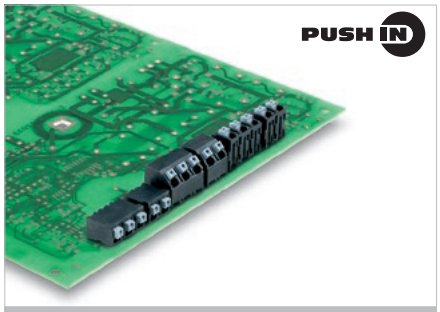
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	175	1875320000	1875550000
3	7.62	0.300	175	1875330000	1875570000
4	11.43	0.450	175	1875340000	1875590000
5	15.24	0.600	175	1875350000	1875650000
6	19.05	0.750	175	1875360000	1875670000
7	22.86	0.900	175	1875370000	1875680000
8	26.67	1.050	175	1875380000	1875710000
9	30.48	1.200	175	1875390000	1875730000
10	34.29	1.350	175	1875400000	1875760000
11	38.10	1.500	175	1875410000	1875810000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/../90



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm². Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

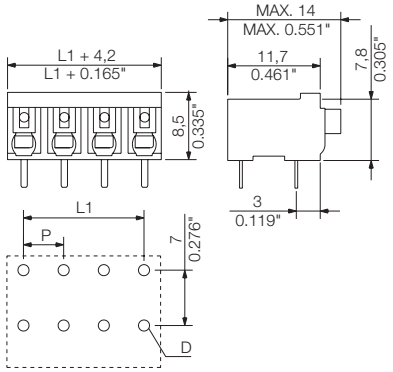
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.00/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

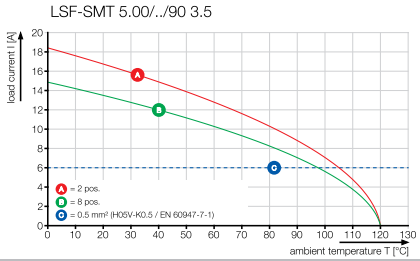
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1869600000	1824740000
3	10.00	0.394	39	1869610000	1824750000
4	15.00	0.591	28	1869620000	1824760000
5	20.00	0.788	22	1869630000	1824770000
6	25.00	0.985	18	1869640000	1824780000
7	30.00	1.182	16	1869650000	1824790000
8	35.00	1.379	14	1869660000	1824800000

Representative deratings curve



LSF-SMT 5.00/../90 Tape

Reflow-compatible PCB terminal



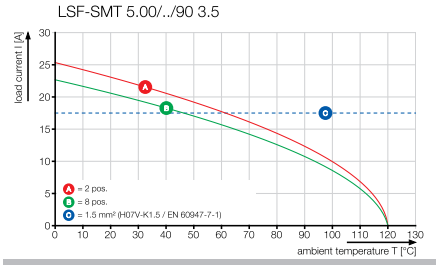
Dimensioned drawing

Ordering data

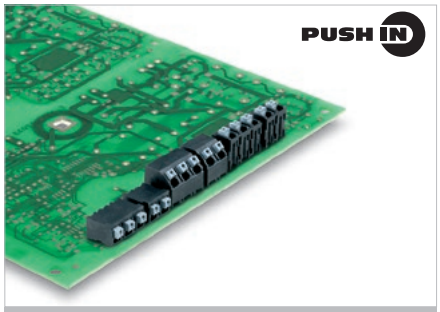
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	265	1876240000	1876430000
3	10.00	0.394	265	1876260000	1876510000
4	15.00	0.591	265	1876270000	1876530000
5	20.00	0.788	265	1876280000	1876550000
6	25.00	0.985	265	1876300000	1876560000
7	30.00	1.182	265	1876330000	1876540000
8	35.00	1.379	265	1876350000	1876520000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/../135



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

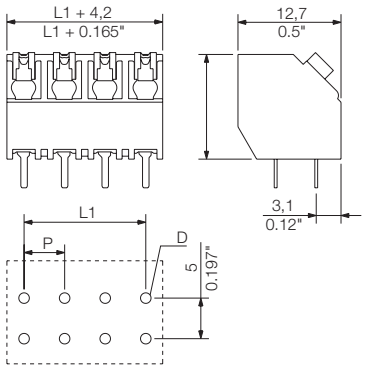
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.00/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

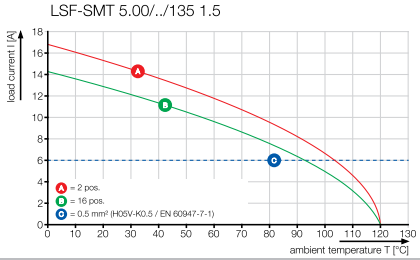
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1884530000	1884340000
3	10.00	0.394	39	1884540000	1884370000
4	15.00	0.591	28	1884550000	1884380000
5	20.00	0.787	22	1884560000	1884390000
6	25.00	0.984	18	1884570000	1884400000
7	30.00	1.181	16	1884580000	1884410000
8	35.00	1.378	14	1884590000	1884420000
9	40.00	1.575	12	1884600000	1884430000
10	45.00	1.772	11	1884660000	1884440000
11	50.00	1.969	10	1884670000	1884450000
12	55.00	2.165	9	1884680000	1884460000

Representative deratings curve



LSF-SMT 5.00/../135 Tape

Reflow-compatible PCB terminal



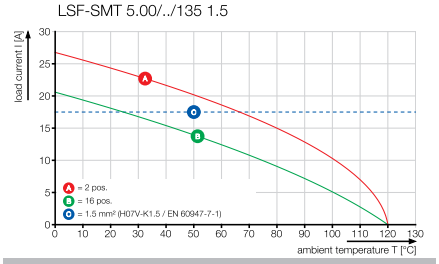
Dimensioned drawing

Ordering data

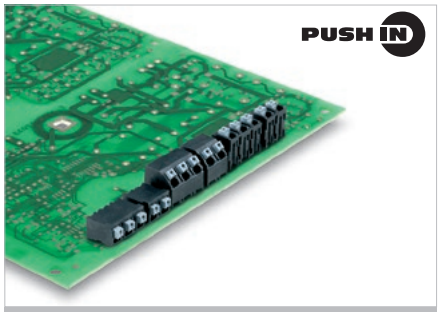
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	190	1888570000	1888640000
3	10.00	0.394	190	1888580000	1888650000
4	15.00	0.591	190	1888590000	1888660000
5	20.00	0.787	190	1888600000	1888670000
6	25.00	0.984	190	1888610000	1888680000
7	30.00	1.181	190	1888620000	1888690000
8	35.00	1.378	190	1888630000	1888700000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/../180



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

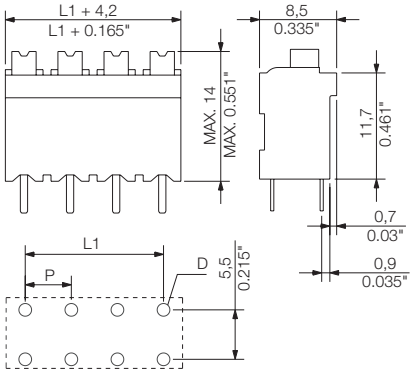
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.00/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

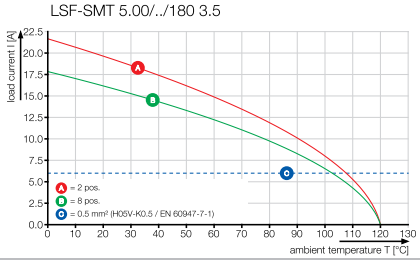
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1870140000	1825960000
3	10.00	0.394	39	1870150000	1825970000
4	15.00	0.591	28	1870160000	1825980000
5	20.00	0.787	22	1870170000	1825990000
6	25.00	0.984	18	1870180000	1826000000
7	30.00	1.181	16	1870190000	1826010000
8	35.00	1.378	14	1870200000	1826020000

Representative deratings curve



LSF-SMT 5.00/../180 Tape

Reflow-compatible PCB terminal



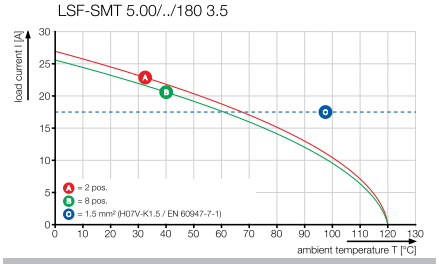
Dimensioned drawing

Ordering data

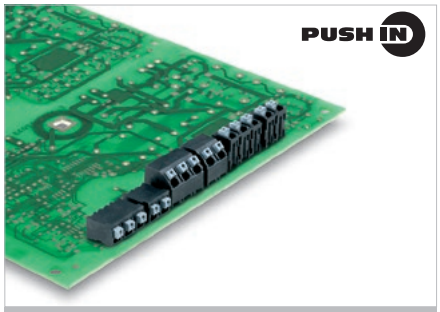
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.00 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	175	1876020000	1876110000
3	10.00	0.394	175	1876030000	1876130000
4	15.00	0.591	175	1876050000	1876140000
5	20.00	0.787	175	1876060000	1876160000
6	25.00	0.984	175	1876070000	1876200000
7	30.00	1.181	175	1876080000	1876220000
8	35.00	1.378	175	1876090000	1876230000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/../90



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

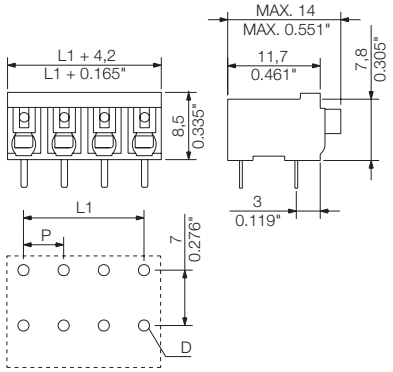
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.08/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

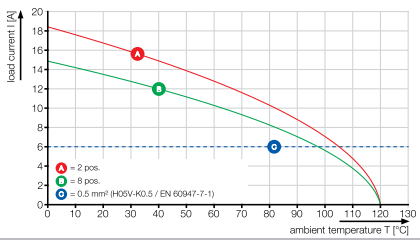
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**	**Order No.**
2	5.08	0.200	59	1869670000	1824810000
3	10.16	0.400	38	1869680000	1824820000
4	15.24	0.600	28	1869690000	1824830000
5	20.32	0.800	22	1869700000	1824840000
6	25.40	1.000	18	1869710000	1824850000
7	30.48	1.200	15	1869720000	1824860000
8	35.56	1.400	13	1869730000	1824870000

Representative deratings curve

LSF-SMT 5.08/../90 3.5



LSF-SMT 5.08/../90 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

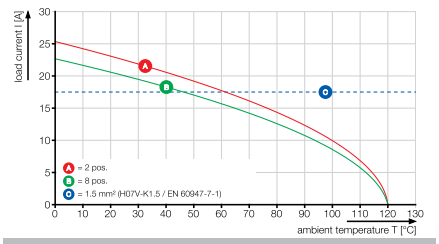
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	265	1876480000	1876470000
3	10.16	0.400	265	1876440000	1876420000
4	15.24	0.600	265	1878520000	1876310000
5	20.32	0.800	265	1876210000	1876190000
6	25.40	1.000	265	1876150000	1876120000
7	30.48	1.200	265	1875720000	1875690000
8	35.56	1.400	265	1875520000	1875510000

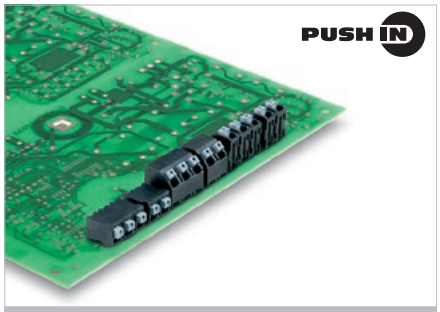
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 5.08/../90 3.5



LSF-SMT 5.08/../135



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

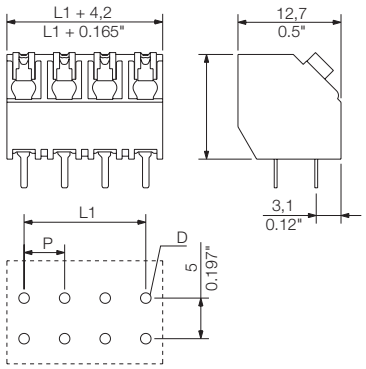
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.08/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

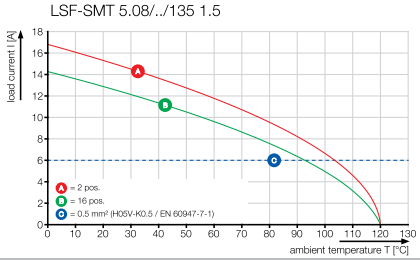
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	59	1884730000	1885020000
3	10.16	0.400	38	1884740000	1885030000
4	15.24	0.600	28	1884750000	1885040000
5	20.32	0.800	22	1884760000	1885050000
6	25.40	1.000	18	1884770000	1885060000
7	30.48	1.200	15	1884780000	1885070000
8	35.56	1.400	13	1884790000	1885080000
9	40.64	1.600	12	1884800000	1885090000
10	45.72	1.800	11	1884810000	1885100000
11	50.80	2.000	10	1884820000	1885110000
12	55.88	2.200	9	1884830000	1885120000

Representative deratings curve



LSF-SMT 5.08/../135 Tape

Reflow-compatible PCB terminal



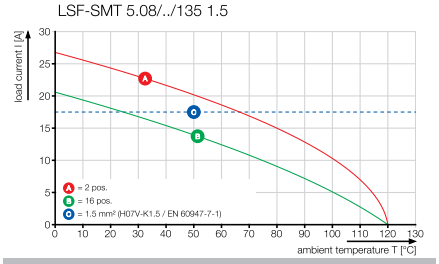
Dimensioned drawing

Ordering data

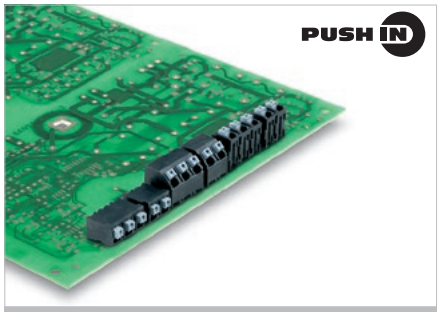
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	190	1888710000	1888780000
3	10.16	0.400	190	1888720000	1888790000
4	15.24	0.600	190	1888730000	1888810000
5	20.32	0.800	190	1888740000	1888830000
6	25.40	1.000	190	1888750000	1888840000
7	30.48	1.200	190	1888760000	1888870000
8	35.56	1.400	190	1888770000	1888880000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/../180



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

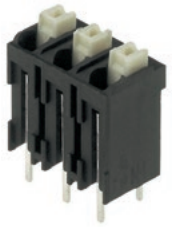
For additional articles and information, refer to eshop.weidmueller.com

Note:

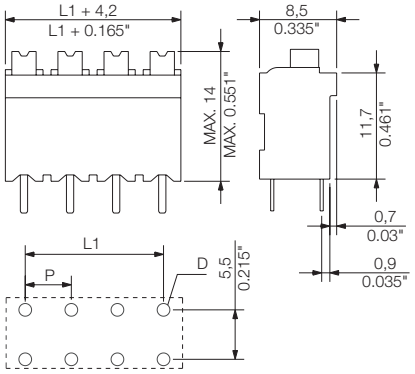
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.08/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

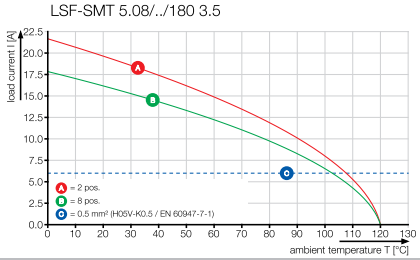
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	59	1870210000	1826040000
3	10.16	0.400	38	1870220000	1826060000
4	15.24	0.600	28	1870230000	1826070000
5	20.32	0.800	22	1870240000	1826080000
6	25.40	1.000	18	1870250000	1826100000
7	30.48	1.200	15	1870260000	1826110000
8	35.56	1.400	13	1870270000	1826120000

Representative deratings curve

LSF-SMT 5.08/../180 3.5



LSF-SMT 5.08/../180 Tape

Reflow-compatible PCB terminal



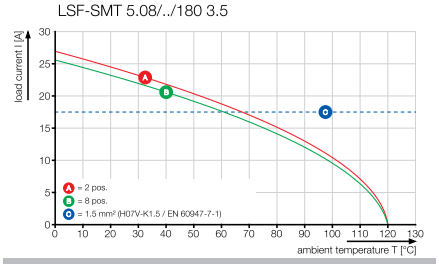
Dimensioned drawing

Ordering data

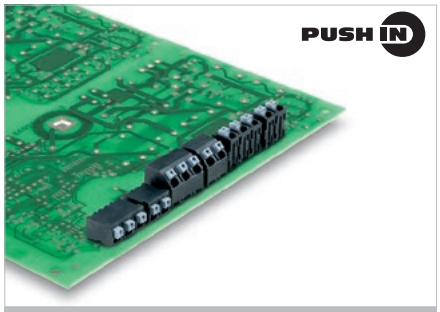
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	175	1876500000	1876490000
3	10.16	0.400	175	1876460000	1876450000
4	15.24	0.600	175	1876410000	1876360000
5	20.32	0.800	175	1876290000	1876250000
6	25.40	1.000	175	1876180000	1876170000
7	30.48	1.200	175	1876100000	1875750000
8	35.56	1.400	175	1875610000	1875580000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/../90



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

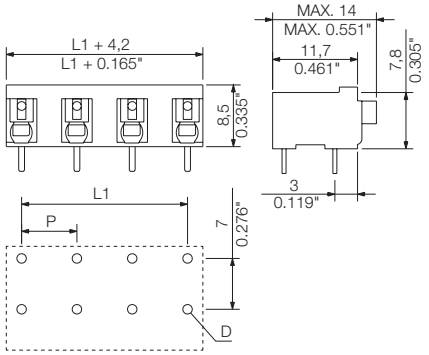
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.50/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**12**	**10**	**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	10	10	10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

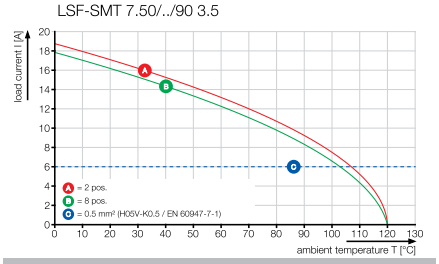
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1869740000	1824880000
3	15.00	0.591	28	1869750000	1824890000
4	22.50	0.886	20	1869760000	1824900000
5	30.00	1.181	16	1869770000	1824910000
6	37.50	1.476	13	1869780000	1824920000
7	45.00	1.772	11	1869790000	1824930000
8	52.50	2.067	9	1869800000	1824940000

Representative deratings curve



LSF-SMT 7.50/../90 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

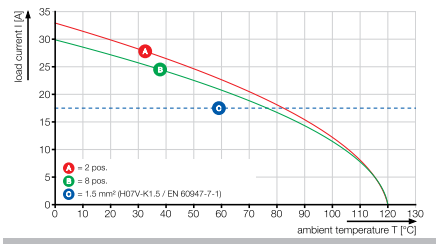
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	265	1875480000	1875470000
3	15.00	0.591	265	1875440000	1875430000
4	22.50	0.886	265	1875040000	1875020000
5	30.00	1.181	265	1874980000	1874960000
6	37.50	1.476	265	1874910000	1874880000

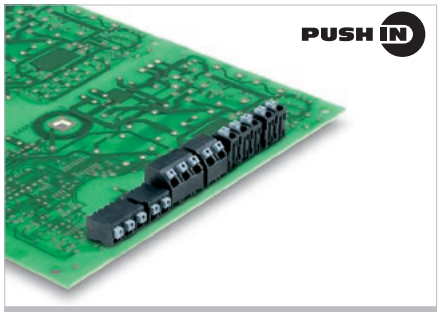
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 7.50/../90 3.5



LSF-SMT 7.50/../135



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

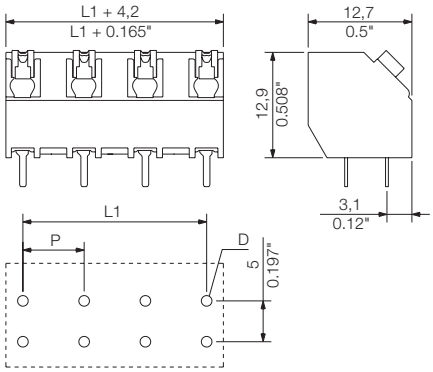
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.50/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

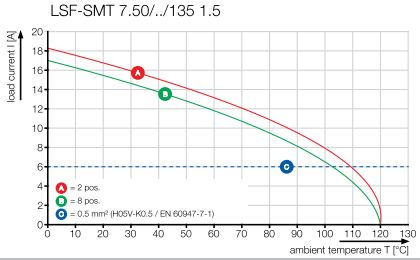
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1884880000	1886110000
3	15.00	0.591	28	1884890000	1886120000
4	22.50	0.886	20	1884900000	1886130000
5	30.00	1.181	16	1884910000	1886140000
6	37.50	1.476	13	1884920000	1886150000
7	45.00	1.772	11	1884930000	1886160000
8	52.50	2.067	9	1884940000	1886170000

Representative deratings curve



LSF-SMT 7.50/../135 Tape

Reflow-compatible PCB terminal



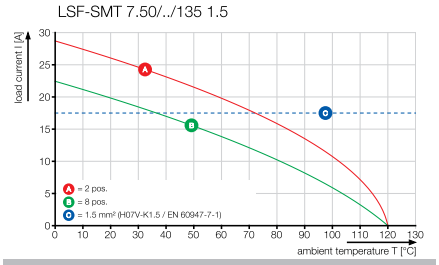
Dimensioned drawing

Ordering data

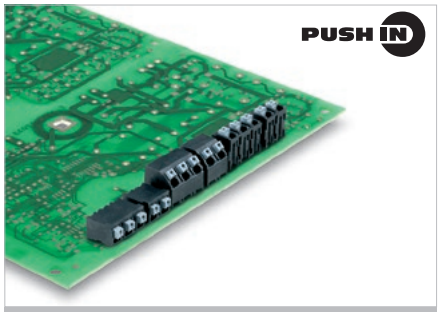
Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	190	1888890000	1888970000
3	15.00	0.591	190	1888910000	1888990000
4	22.50	0.886	190	1888930000	1889000000
5	30.00	1.181	190	1888940000	1889020000
6	37.50	1.476	190	1888950000	1889030000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/../180



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

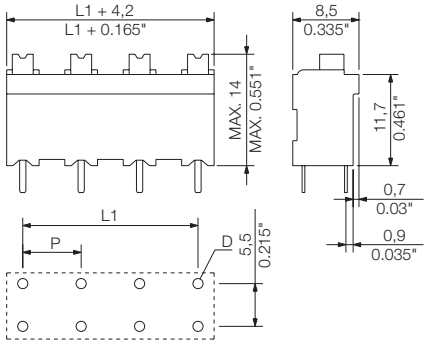
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.50/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**12**	**10**	**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	10	10	10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

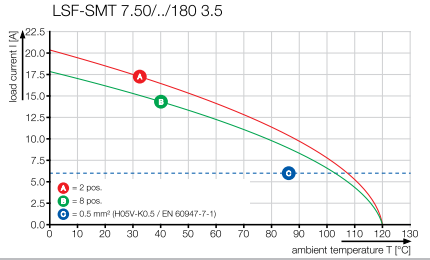
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1870280000	1826130000
3	15.00	0.591	28	1870290000	1826140000
4	22.50	0.886	20	1870300000	1826150000
5	30.00	1.181	16	1870310000	1826160000
6	37.50	1.476	13	1870320000	1826170000
7	45.00	1.772	11	1870330000	1826180000
8	52.50	2.067	9	1870340000	1826190000

Representative deratings curve

LSF-SMT 7.50/../180 3.5



LSF-SMT 7.50/../180 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

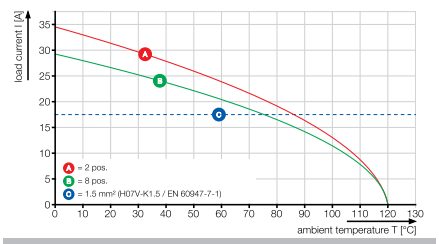
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	175	1875500000	1875490000
3	15.00	0.591	175	1875460000	1875450000
4	22.50	0.886	175	1875090000	1875060000
5	30.00	1.181	175	1875010000	1875000000
6	37.50	1.476	175	1874950000	1874920000

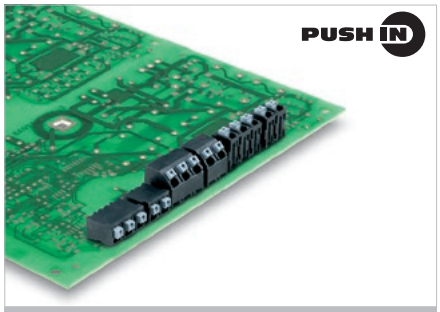
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 7.50/../180 3.5



LSF-SMT 7.62/../90



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

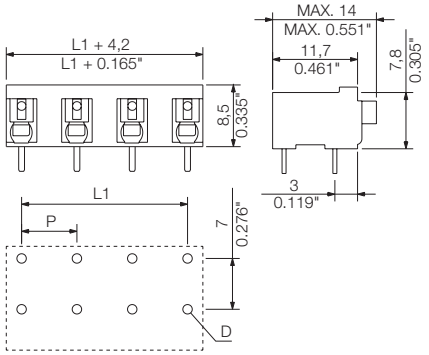
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.62/../90

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**12**	**10**	**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	10	10	10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

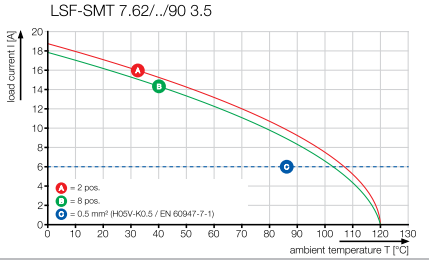
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1869260000	1824950000
3	15.24	0.600	28	1869270000	1824960000
4	22.86	0.900	20	1869280000	1824970000
5	30.48	1.200	15	1869290000	1824980000
6	38.10	1.500	13	1869300000	1824990000
7	45.72	1.800	11	1869310000	1825000000
8	53.34	2.100	9	1869320000	1825010000

Representative deratings curve

LSF-SMT 7.62/../90 3.5



LSF-SMT 7.62/../90 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

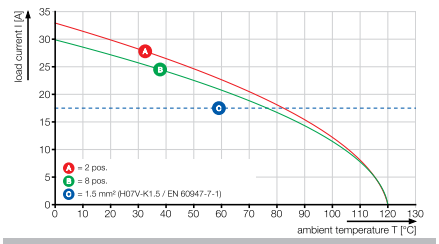
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	265	1874700000	1874670000
3	15.24	0.600	265	1874570000	1874550000
4	22.86	0.900	265	1874480000	1874470000
5	30.48	1.200	265	1874430000	1874410000
6	38.10	1.500	265	1874330000	1874290000

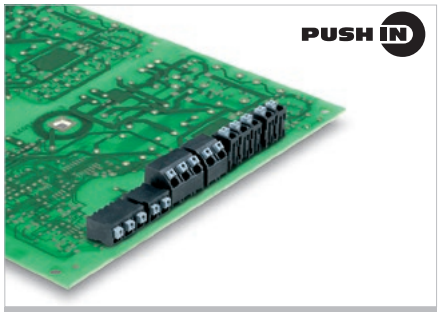
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 7.62/../90 3.5



LSF-SMT 7.62/../135



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

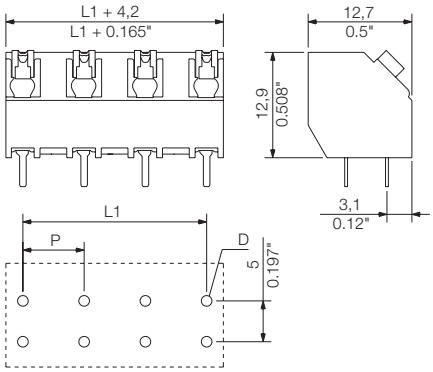
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.62/../135

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

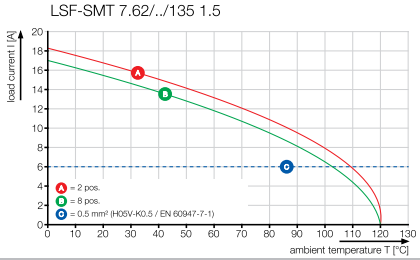
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1884950000	1886180000
3	15.24	0.600	28	1884960000	1886190000
4	22.86	0.900	20	1884970000	1886200000
5	30.48	1.200	15	1884980000	1886210000
6	38.10	1.500	13	1884990000	1886220000
7	45.72	1.800	11	1885000000	1886230000
8	53.34	2.100	9	1885010000	1886240000

Representative deratings curve



LSF-SMT 7.62/../135 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

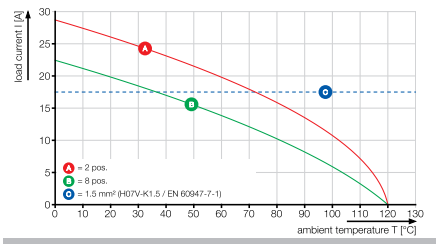
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	190	1887110000	1887160000
3	15.24	0.600	190	1887120000	1887170000
4	22.86	0.900	190	1887130000	1887180000
5	30.48	1.200	190	1887140000	1887190000
6	38.10	1.500	190	1887150000	1887200000

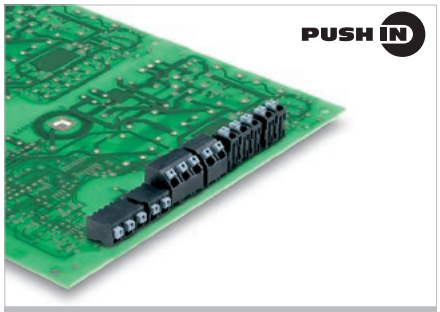
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 7.62/../135 1.5



LSF-SMT 7.62/../180



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

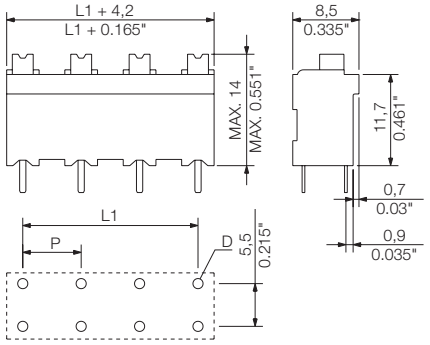
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 7.62/../180

Reflow-compatible PCB terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**12**	**10**	**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	10	10	10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.35 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

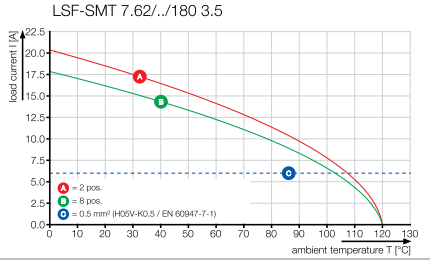
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1869810000	1826210000
3	15.24	0.600	28	1869830000	1826220000
4	22.86	0.900	20	1869840000	1826230000
5	30.48	1.200	15	1869850000	1826240000
6	38.10	1.500	13	1869860000	1826250000
7	45.72	1.800	11	1869870000	1826260000
8	53.34	2.100	9	1869880000	1826270000

Representative deratings curve

LSF-SMT 7.62/../180 3.5



LSF-SMT 7.62/../180 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

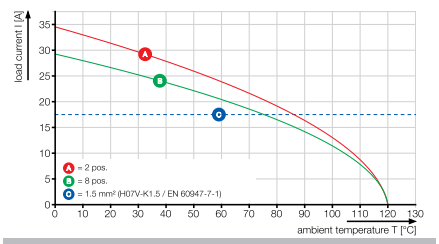
Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				black	black
Pitch	**7.62 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	175	1874870000	1874750000
3	15.24	0.600	175	1874650000	1874630000
4	22.86	0.900	175	1874530000	1874500000
5	30.48	1.200	175	1874450000	1874460000
6	38.10	1.500	175	1874390000	1874360000

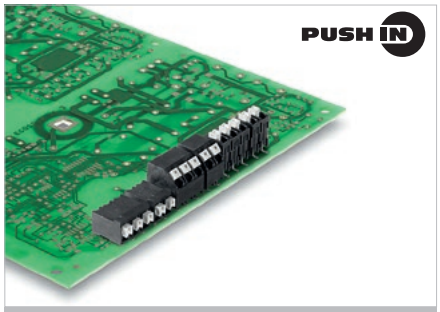
Belt widths: 32, 44, 56, 72, 88

Additional deratings curves

LSF-SMT 7.62/../180 3.5



LSF-SMD 3.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

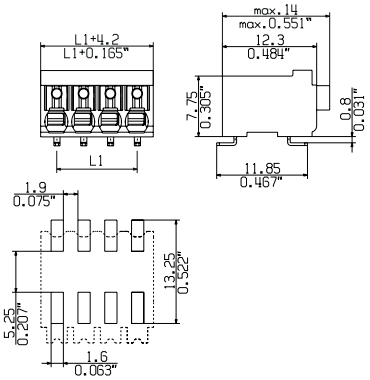
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMD 3.50/../90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

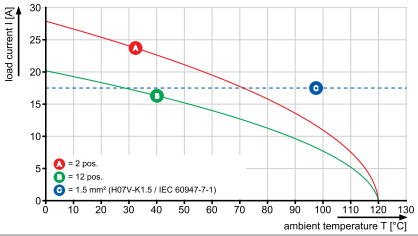
Colour black

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	320	1412410000
3	7.00	0.276	320	1412420000
4	10.50	0.414	320	1473510000
5	14.00	0.552	320	1473520000
6	17.50	0.690	320	1473530000
7	21.00	0.828	320	1473540000
8	24.50	0.966	320	1473550000
9	28.00	1.104	320	1473570000
10	31.50	1.242	320	1473590000
11	35.00	1.380	320	1473620000
12	38.50	1.518	320	1473650000

Representative deratings curve

LSF-SMD 3.5/../90

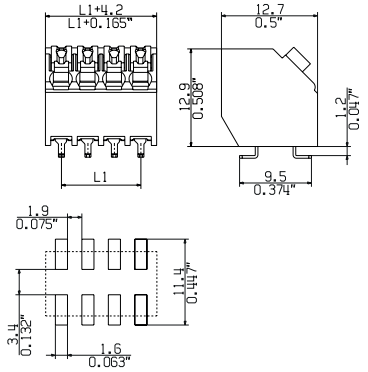


LSF-SMD 3.50/../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

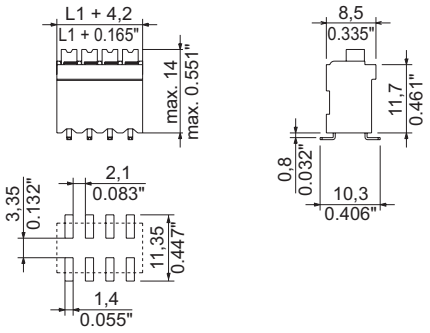
Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	210	1473310000
3	7.00	0.276	210	1473320000
4	10.50	0.414	210	1473330000
5	14.00	0.552	210	1473340000
6	17.50	0.690	210	1473350000
7	21.00	0.828	210	1473370000
8	24.50	0.966	210	1473380000
9	28.00	1.104	210	1473390000
10	31.50	1.242	210	1473410000
11	35.00	1.380	210	1473420000
12	38.50	1.518	210	1473430000

LSF-SMD 3.50/180 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

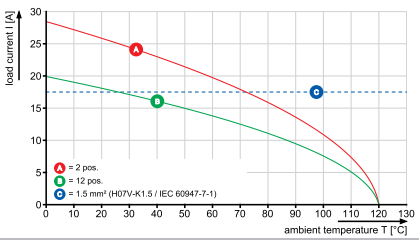


Ordering data

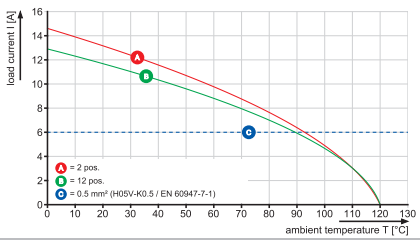
Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	235	1250360000
3	7.00	0.276	180	1250370000
4	10.50	0.414	180	1250380000
5	14.00	0.552	180	1250390000
6	17.50	0.690	180	1250410000
7	21.00	0.828	180	1250420000
8	24.50	0.966	180	1250430000
9	28.00	1.104	180	1250440000
10	31.50	1.242	180	1250450000
11	35.00	1.380	180	1250460000
12	38.50	1.518	180	1250470000

Additional deratings curves

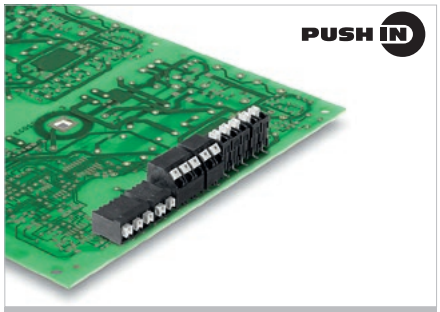
LSF-SMD 3.5/../135



LSF-SMD 3.5/../180



LSF-SMD 7.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

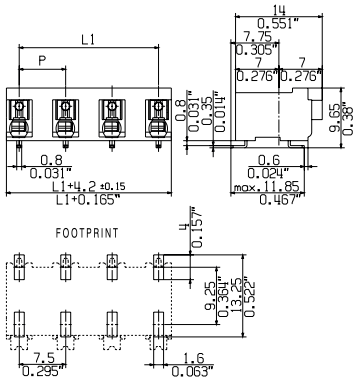
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMD 7.50/../90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**12**	**10**	**10**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	10	10	10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

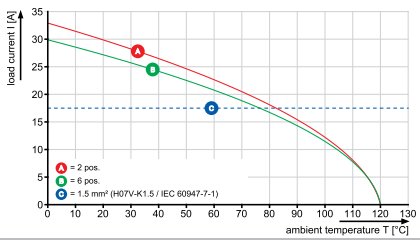
Colour black

Pitch 7.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	320	1473940000
3	15.00	0.590	320	1473950000
4	22.50	0.885	320	1473960000
5	30.00	1.180	320	1473970000
6	37.50	1.475	320	1473980000

Representative deratings curve

LSF-SMD 7.5/../90

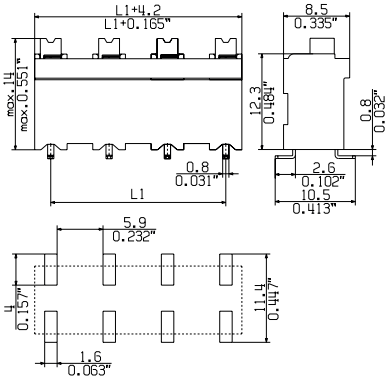


LSF-SMD 7.50/../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

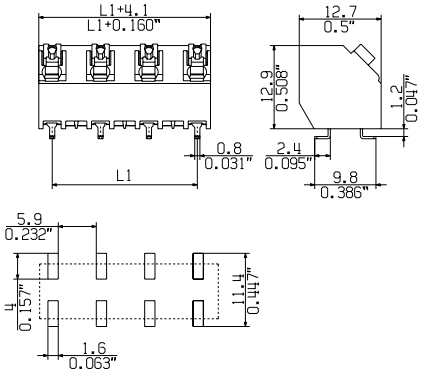
Solder pin length				
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	210	**1473890000**
3	15.00	0.590	210	**1473900000**
4	22.50	0.885	210	**1473910000**
5	30.00	1.180	210	**1473920000**
6	37.50	1.475	210	**1473930000**

LSF-SMD 7.50/../180 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing

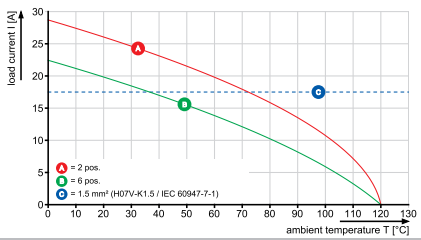


Ordering data

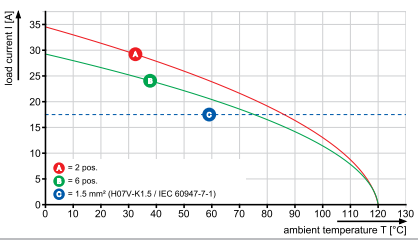
Solder pin length				
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	180	**1473840000**
3	15.00	0.590	180	**1473850000**
4	22.50	0.885	180	**1473860000**
5	30.00	1.180	180	**1473870000**
6	37.50	1.475	180	**1473880000**

Additional deratings curves

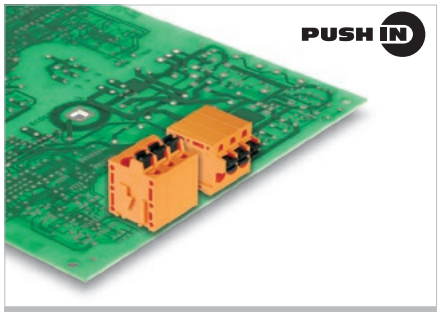
LSF-SMD 7.5/../135



LSF-SMD 7.5/../180



LMF & LMFS 5.00



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 20 A / AWG 24 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

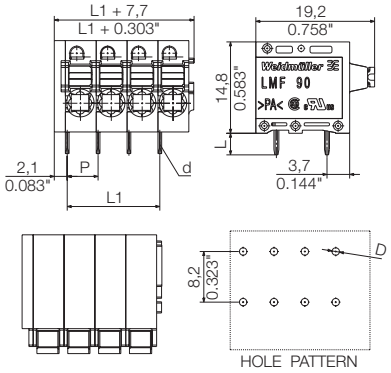
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.12...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.25...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**24-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	24-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8, 0.6 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

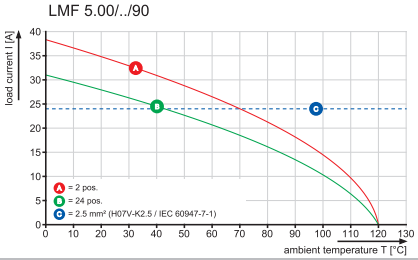
Note: Refer to the Accessories chapter for additional accessories.

Test plug		Order No.
	PS 2.0 MC	0310000000
Screwdriver		
	SDS 0.6X3.5X100	2749340000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.00	0.197	130	1331700000
3	10.00	0.394	90	1331710000
4	15.00	0.591	70	1331720000
5	20.00	0.787	55	1331730000
6	25.00	0.984	45	1331740000
7	30.00	1.181	40	1331750000
8	35.00	1.378	35	1331770000
9	40.00	1.575	30	1331780000
10	45.00	1.772	25	1331790000
11	50.00	1.969	25	1331800000
12	55.00	2.166	25	1331810000

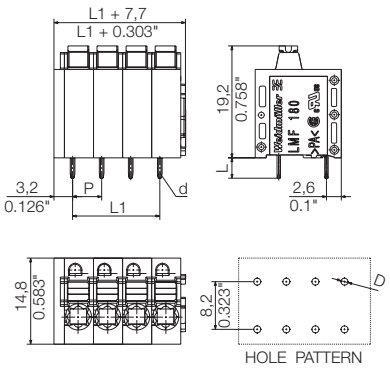
Representative deratings curve



LMF 5.00/../180



Dimensioned drawing



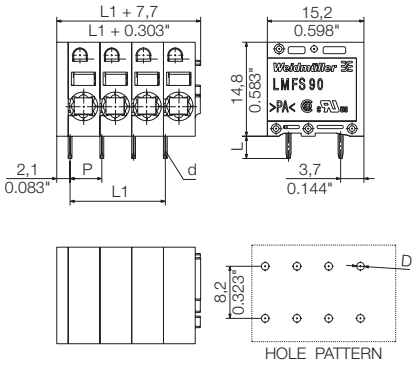
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1330180000
3	10.00	0.394	90	1330190000
4	15.00	0.591	70	1330200000
5	20.00	0.787	55	1330210000
6	25.00	0.984	45	1330220000
7	30.00	1.181	40	1330230000
8	35.00	1.378	35	1330240000
9	40.00	1.575	30	1330250000
10	45.00	1.772	30	1330270000
11	50.00	1.969	25	1330280000
12	55.00	2.166	25	1330290000

LMFS 5.00/../90



Dimensioned drawing



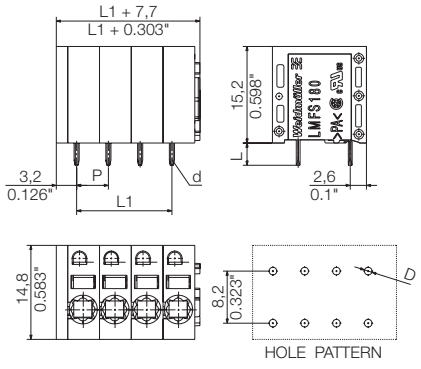
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1331960000
3	10.00	0.394	90	1331970000
4	15.00	0.591	70	1331980000
5	20.00	0.787	55	1331990000
6	25.00	0.984	45	1332010000
7	30.00	1.181	40	1332020000
8	35.00	1.378	35	1332030000
9	40.00	1.575	30	1332040000
10	45.00	1.772	25	1332050000
11	50.00	1.969	25	1332060000
12	55.00	2.166	25	1332070000

LMFS 5.00/../180



Dimensioned drawing

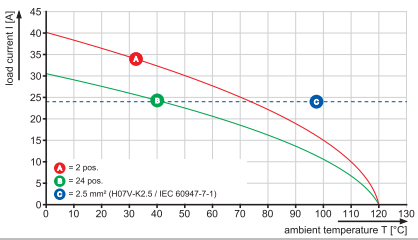


Ordering data

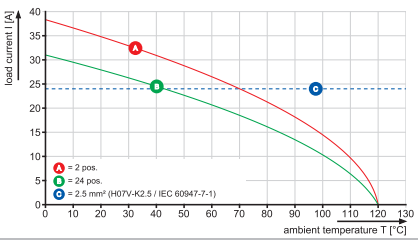
Solder pin length				3.5 mm
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1330430000
3	10.00	0.394	90	1330440000
4	15.00	0.591	70	1330450000
5	20.00	0.787	55	1330470000
6	25.00	0.984	45	1330490000
7	30.00	1.181	40	1330500000
8	35.00	1.378	35	1330510000
9	40.00	1.575	30	1330520000
10	45.00	1.772	30	1330530000
11	50.00	1.969	25	1330540000
12	55.00	2.166	25	1330550000

Additional deratings curves

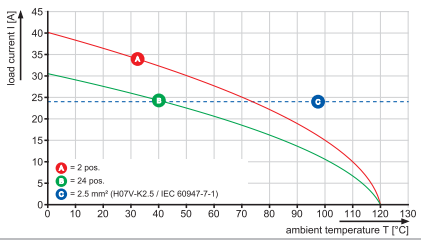
LMF 5.00/../180



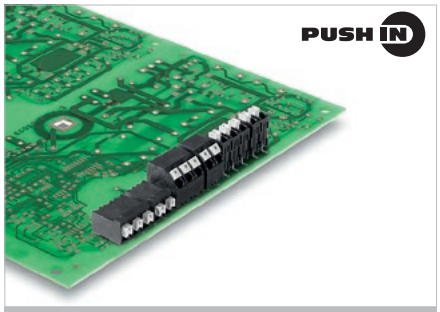
LMFS 5.00/../90



LMFS 5.00/../180



LSF-SMD 5.00



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

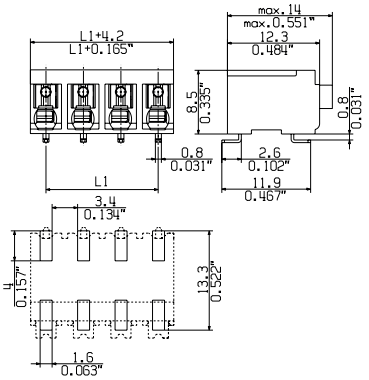
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMD 5.00/../90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**12**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

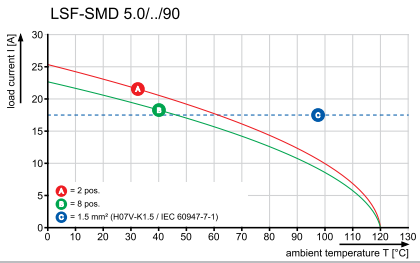
Solder pin length

Colour black

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	320	1473770000
3	10.00	0.394	320	1473780000
4	15.00	0.591	320	1473790000
5	20.00	0.787	320	1473800000
6	25.00	0.984	320	1473810000
7	30.00	1.181	320	1473820000
8	35.00	1.378	320	1473830000

Representative deratings curve

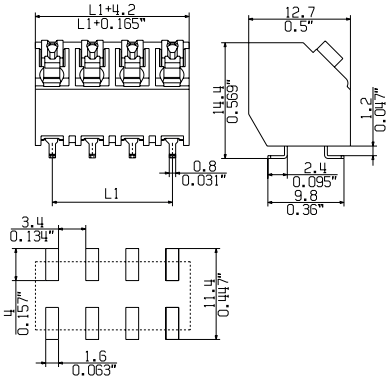


LSF-SMD 5.00/../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

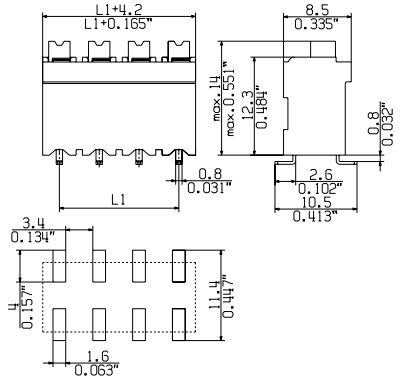
Solder pin length				
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	210	1473690000
3	10.00	0.394	210	1473700000
4	15.00	0.591	210	1473710000
5	20.00	0.787	210	1473720000
6	25.00	0.984	210	1473740000
7	30.00	1.181	210	1473750000
8	35.00	1.378	210	1473760000

LSF-SMD 5.00/../180 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing

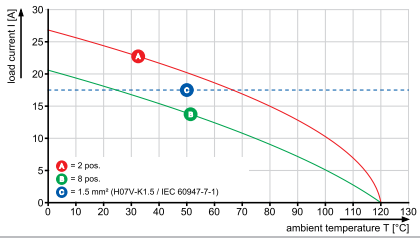


Ordering data

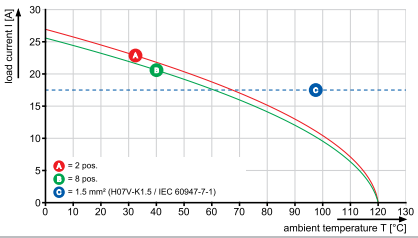
Solder pin length				
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	235	1473560000
3	10.00	0.394	180	1473580000
4	15.00	0.591	180	1473610000
5	20.00	0.787	180	1473640000
6	25.00	0.984	180	1473660000
7	30.00	1.181	180	1473670000
8	35.00	1.378	180	1473680000

Additional deratings curves

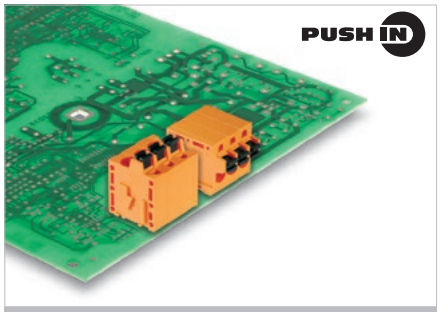
LSF-SMD 5.0/../135



LSF-SMD 5.0/../180



LMF & LMFS 5.08



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 20 A / AWG 24 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

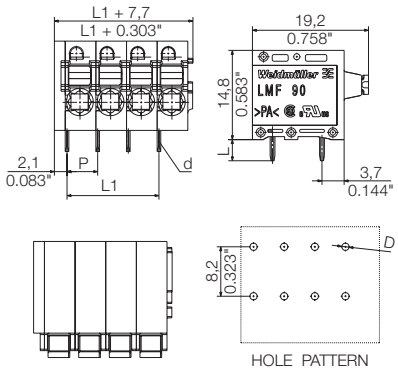
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF 5.08/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.12...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.25...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**24-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	24-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8, 0.6 x 0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

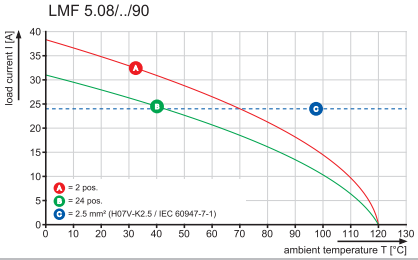
Test plug		Order No.
	PS 2.0 MC	0310000000
Screwdriver		
	SDS 0.6X3.5X100	2749340000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	125	1330710000
3	10.16	0.400	90	1330720000
4	15.24	0.600	70	1330730000
5	20.32	0.800	55	1330740000
6	25.40	1.000	45	1330750000
7	30.48	1.200	40	1330770000
8	35.56	1.400	35	1330780000
9	40.64	1.600	30	1330790000
10	45.72	1.800	25	1330800000
11	50.80	2.000	25	1330810000
12	55.88	2.200	20	1330820000

Representative deratings curve

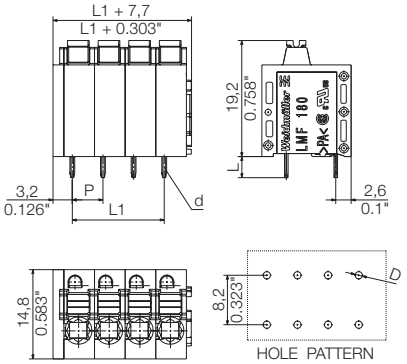
LMF 5.08/../90



LMF 5.08/../180



Dimensioned drawing



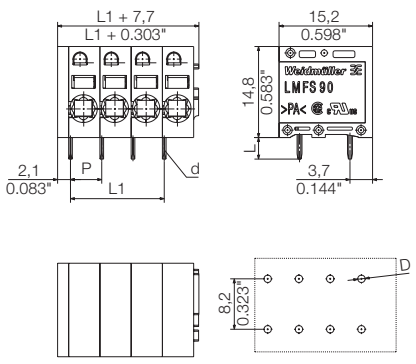
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	130	1331080000
3	10.16	0.400	90	1331100000
4	15.24	0.600	70	1331120000
5	20.32	0.800	55	1331140000
6	25.40	1.000	45	1331160000
7	30.48	1.200	40	1331180000
8	35.56	1.400	35	1331200000
9	40.64	1.600	30	1331220000
10	45.72	1.800	25	1331240000
11	50.80	2.000	25	1331260000
12	55.88	2.200	20	1331280000

LMFS 5.08/../90



Dimensioned drawing



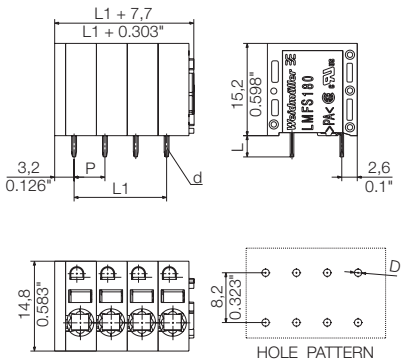
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	130	1330960000
3	10.16	0.400	90	1330970000
4	15.24	0.600	70	1330980000
5	20.32	0.800	55	1330990000
6	25.40	1.000	45	1331000000
7	30.48	1.200	40	1331010000
8	35.56	1.400	35	1331020000
9	40.64	1.600	30	1331030000
10	45.72	1.800	25	1331040000
11	50.80	2.000	25	1331050000
12	55.88	2.200	20	1331060000

LMFS 5.08/../180



Dimensioned drawing

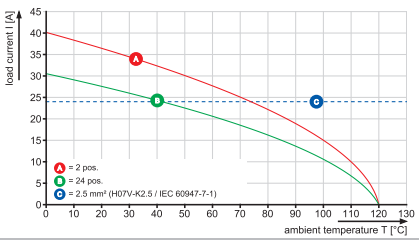


Ordering data

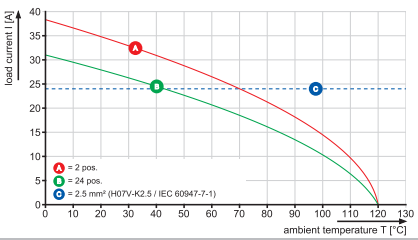
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	130	1331430000
3	10.16	0.400	90	1331440000
4	15.24	0.600	70	1331450000
5	20.32	0.800	55	1331470000
6	25.40	1.000	45	1331480000
7	30.48	1.200	40	1331490000
8	35.56	1.400	35	1331500000
9	40.64	1.600	30	1331510000
10	45.72	1.800	25	1331520000
11	50.80	2.000	25	1331530000
12	55.88	2.200	20	1331540000

Additional deratings curves

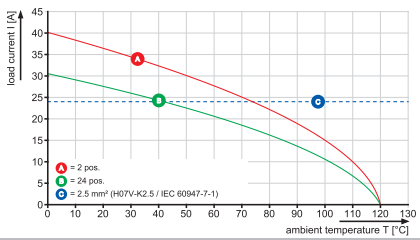
LMF 5.08/../180



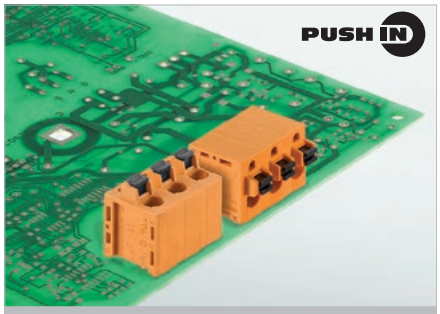
LMFS 5.08/../90



LMFS 5.08/../180



LMF & LMFS 7.50



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 20 A / AWG 24 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

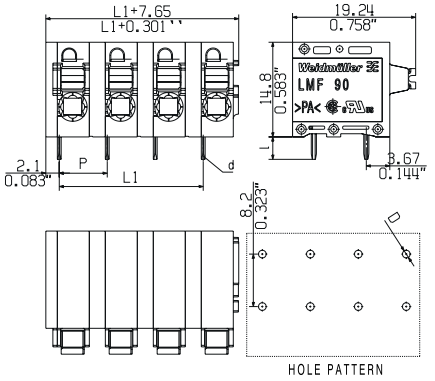
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF 7.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.12...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.25...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**600**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**24-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	20		10
AWG conductor	AWG	24-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8		
Solder eyelet Ø = D	mm	1.1		
Solder eyelet Ø tolerance	mm	+ 0,1		

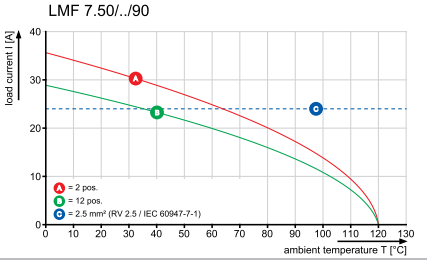
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50		100	2667910000
3	15.00		65	2667920000
4	22.50		50	2667830000
5	30.00		40	2667840000
6	37.50		30	2667850000
7	45.00		25	2667860000
8	52.50		25	2667870000
9	60.00		20	2667880000
10	67.50		20	2667930000
11	75.00		15	2668140000
12	82.50		15	2668150000

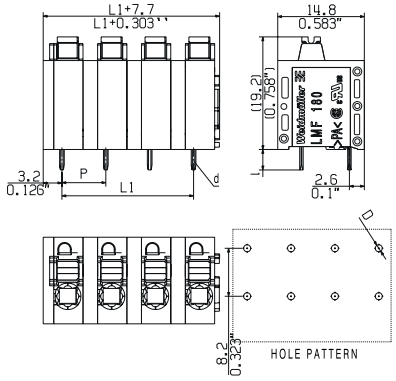
Representative deratings curve



LMF 7.50/../180



Dimensioned drawing



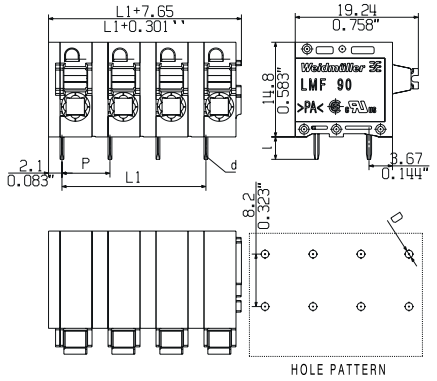
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2			100	2774540000
3			65	2774550000
4			50	2774560000
5			40	2774570000
6			30	2774580000
7			25	2774590000
8			25	2774600000
9			20	2774610000
10			20	2774620000
11			15	2774630000
12			15	2774640000

LMFS 7.50/../90



Dimensioned drawing



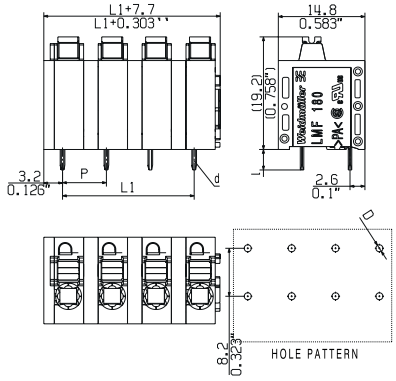
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2			100	2667420000
3			65	2667430000
4			50	2667440000
5			40	2667450000
6			30	2667460000
7			25	2667470000
8			25	2667480000
9			20	2667490000
10			20	2667500000
11			15	2667510000
12			15	2667520000

LMFS 7.50/../180



Dimensioned drawing

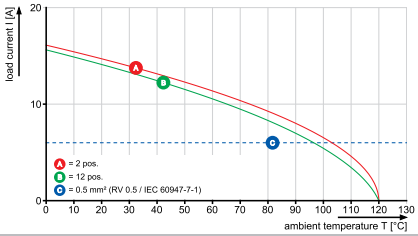


Ordering data

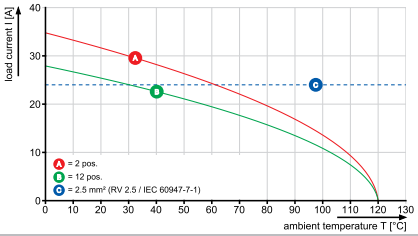
Solder pin length				3.5 mm
Colour				orange
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2			100	2774760000
3			65	2774770000
4			50	2774780000
5			40	2774790000
6			30	2774800000
7			25	2774810000
8			25	2774820000
9			20	2774830000
10			20	2774840000
11			15	2774850000
12			15	2774860000

Additional deratings curves

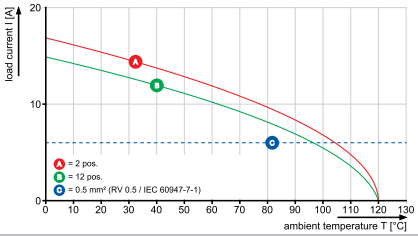
LMF 7.50/../180



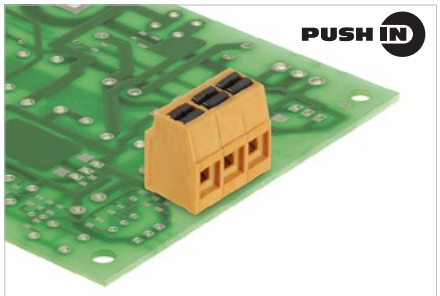
LMFS 7.50/../90



LMFS 7.50/../180



LMFV 5.00



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

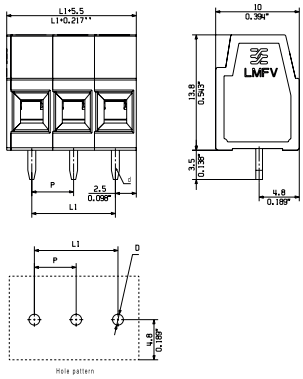
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMFV 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	8		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**350**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**24-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

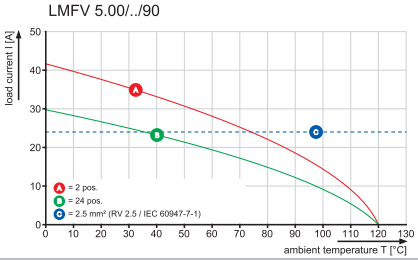
Accessories

Note: Refer to the Accessories chapter for additional accessories.

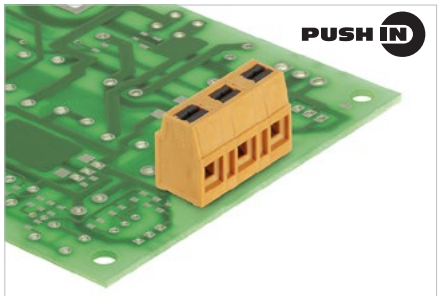
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.200	360	**2786530000**
3	10.00	0.390	240	**2786540000**
4	15.00	0.590	192	**2786550000**
5	20.00	0.790	152	**2786560000**
6	25.00	0.980	128	**2786570000**
7	30.00	1.180	108	**2786580000**
8	35.00	1.380	96	**2786590000**
9	40.00	1.570	82	**2786600000**
10	45.00	1.770	76	**2786620000**
11	50.00	1.970	68	**2786630000**
12	55.00	2.170	64	**2786640000**
16	75.00	2.950	48	**2786690000**

Representative deratings curve



LMFV 7.50



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

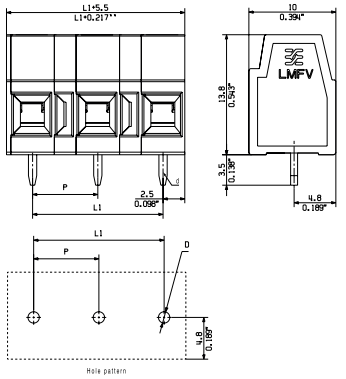
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMFV 7.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	8		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**350**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		**24-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.95 x 0.8		
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

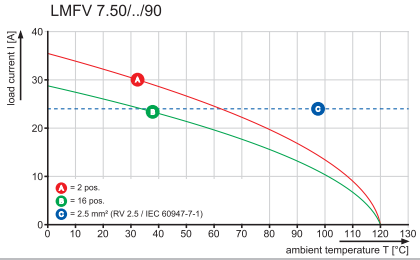
Accessories

Note: Refer to the Accessories chapter for additional accessories.

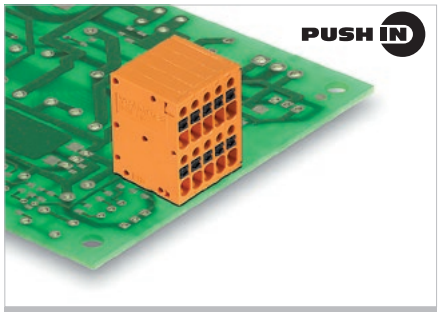
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.300	288	2787570000
3	15.00	0.590	192	2787580000
4	22.50	0.890	136	2787590000
5	30.00	1.180	108	2787600000
6	37.50	1.480	84	2787610000
7	45.00	1.770	76	2787620000
8	52.50	2.070	64	2787630000
9	60.00	2.360	54	2787640000
10	67.50	2.660	50	2787650000
11	75.00	2.950	48	2787660000
12	82.50	3.250	38	2787670000

Representative deratings curve



LS2HF/90



Double-level PCB terminal for wave soldering, with PUSH IN wire connection system. Wire connection and slider operation from the same direction (TOP).

- Solid and stranded wires with wire-end ferrules need only to be inserted and they are ready
- When connecting stranded wires without wire-end ferrules, the actuating element is used to open the contact point
- Intuitive handling thanks to the clear distinction between conductor entry and actuating element
- Packaged in box
- Wire outlet direction: 90° version

Product data

IEC: 400 V / 17.5 A / 0.2 - 1.5 mm²
UL: 150 V / 12.5 A / AWG 26 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

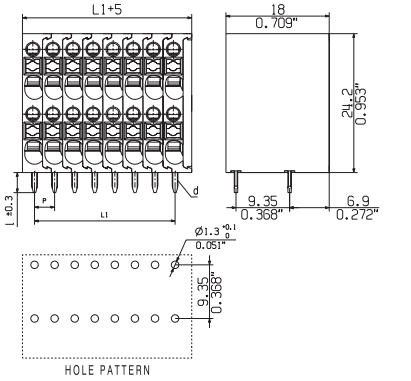
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LS2HF 3.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...0.75		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**200**	**400**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**		**150**
Rated current	**A**	**12.5**		**12.5**
AWG conductor	**AWG**	**26-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150		150
Rated current	A	12.5		12.5
AWG conductor	AWG	26-16		
General data				
Type of insulation material		PA 66/6		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface				
Pin dimensions = d	mm	1.0 x 0.6		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

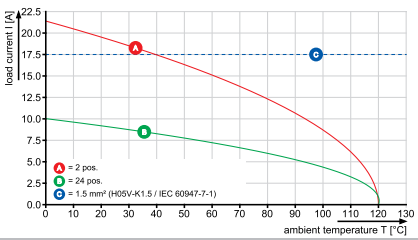
Screwdriver		Order No.
	SDIS 0.4X2.5X75	2749790000
	SDS 0.4X2.5X75	2749320000

Ordering data

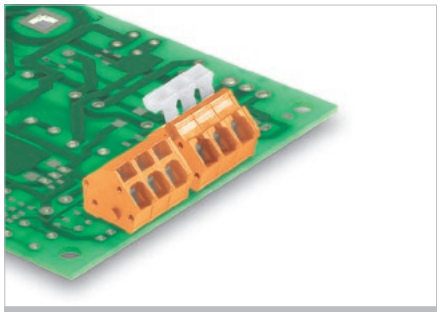
Solder pin length				3.5 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.50	0.138	100	2000940000
6	7.00	0.276	100	2000950000
8	10.50	0.413	100	2000960000
10	14.00	0.551	100	2000970000
12	17.50	0.689	50	2000980000
14	21.00	0.827	50	2000990000
16	24.50	0.965	50	2001000000
18	28.00	1.102	50	2001010000
20	31.50	1.240	50	2001020000
22	35.00	1.378	20	2001030000
24	38.50	1.516	20	2001040000

Representative deratings curve

LS2HF 3.5/../90 3.5



LMZF & LMZFL 5/../135



The compact installation terminal with tension clamp spring connection in 5.0x-mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch: 5.00 – 5.08 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Product data

IEC: 630 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

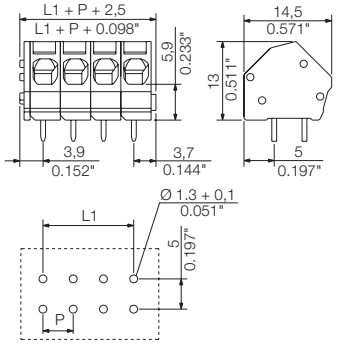
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 5/../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.13...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.13...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264-A		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	26-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

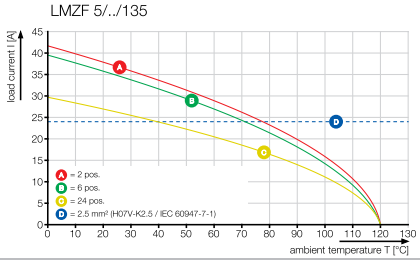
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.00	0.197	100	1913780000
3	10.00	0.394	100	1913820000
4	15.00	0.591	100	1913960000
5	20.00	0.787	100	1914000000
6	25.00	0.984	100	1914020000
7	30.00	1.181	100	1914030000
8	35.00	1.378	100	1914040000
9	40.00	1.575	100	1914050000
10	45.00	1.772	100	1914070000
11	50.00	1.969	100	1914080000
12	55.00	2.165	100	1914090000

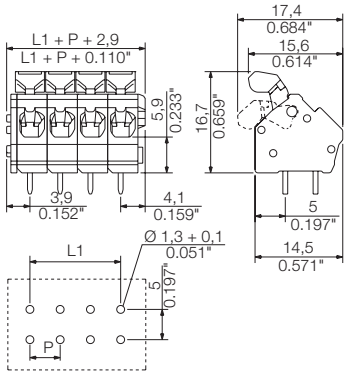
Representative deratings curve



LMZFL 5/../135



Dimensioned drawing

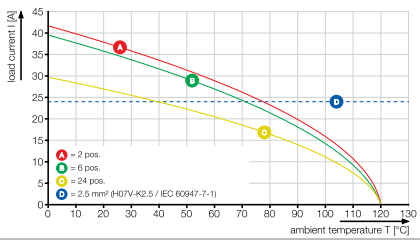


Ordering data

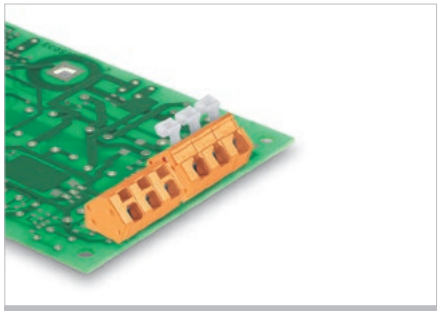
Solder pin length				3.5 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1914560000
3	10.00	0.394	100	1914580000
4	15.00	0.591	100	1914590000
5	20.00	0.787	100	1914600000
6	25.00	0.984	100	1914640000
7	30.00	1.181	100	1914720000
8	35.00	1.378	100	1914790000
9	40.00	1.575	100	1914830000
10	45.00	1.772	100	1914860000
11	50.00	1.969	100	1914990000
12	55.00	2.165	100	1915030000

Additional deratings curves

LMZFL 5/../135



LMZF & LMZFL 7../135



The compact installation terminal with tension clamp spring connection in 7.xx mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch: 7.50 – 7.62 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

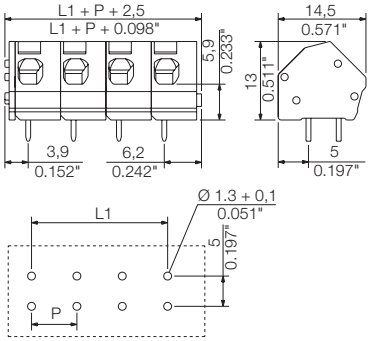
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 7../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.13...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.13...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264-A		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**800**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**15**	**15**	**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	15	15	10
AWG conductor	AWG	26-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

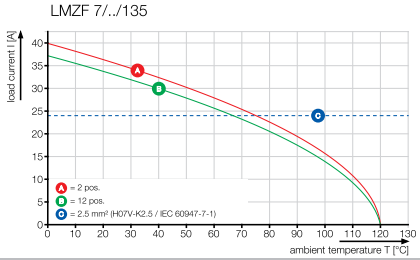
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**7.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.50	0.295	100	1952570000
3	15.00	0.591	100	1952580000
4	22.50	0.886	100	1952590000
5	30.00	1.181	100	1952600000
6	37.50	1.476	100	1952610000
7	45.00	1.772	100	1952620000
8	52.50	2.067	100	1952630000
9	60.00	2.362	100	1952640000
10	67.50	2.657	100	1952650000
11	75.00	2.953	100	1952660000
12	82.50	3.248	100	1952670000

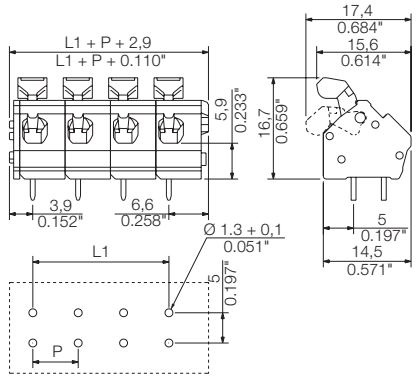
Representative deratings curve



LMZFL 7../135



Dimensioned drawing

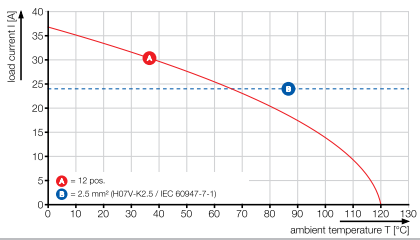


Ordering data

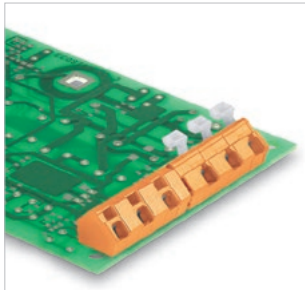
Solder pin length				3.5 mm
Colour				orange
Pitch	**7.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	100	1953010000
3	15.00	0.591	100	1953020000
4	22.50	0.886	100	1953030000
5	30.00	1.181	100	1953040000
6	37.50	1.476	100	1953050000
7	45.00	1.772	100	1953060000
8	52.50	2.067	100	1953070000
9	60.00	2.362	100	1953080000
10	67.50	2.657	100	1953090000
11	75.00	2.953	100	1953100000
12	82.50	3.248	100	1953110000

Additional deratings curves

LMZFL 7../135



LMZF & LMZFL 10../135



The compact installation terminal with tension clamp spring connection in 10.xx-mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch 10.00 - 10.16 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

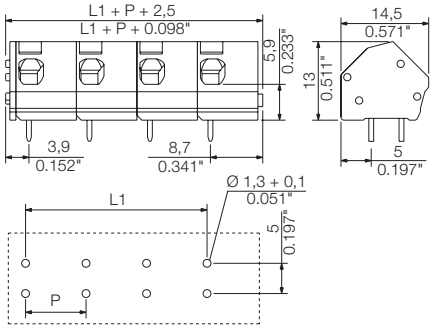
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 10../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.13...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.13...2.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**500**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**15**	**15**	**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	15	15	10
AWG conductor	AWG	26-14		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

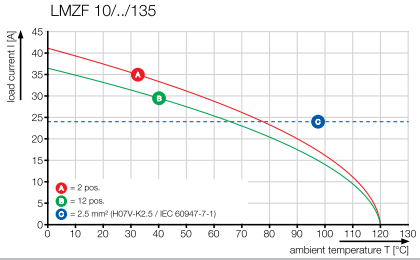
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**10.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.00	0.394	100	1953470000
3	20.00	0.787	100	1953480000
4	30.00	1.181	100	1953490000
5	40.00	1.575	100	1953500000
6	50.00	1.969	100	1953510000
7	60.00	2.362	100	1953520000
8	70.00	2.756	100	1953530000
9	80.00	3.150	100	1953540000
10	90.00	3.543	100	1953550000
11	100.00	3.937	100	1953560000
12	110.00	4.331	100	1953570000

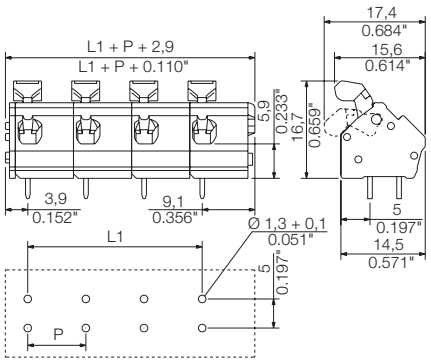
Representative deratings curve



LMZFL 10/../135



Dimensioned drawing

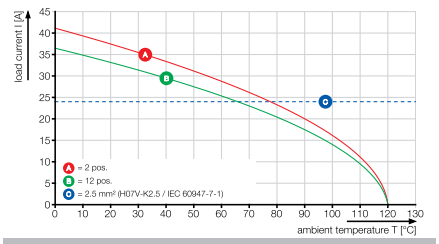


Ordering data

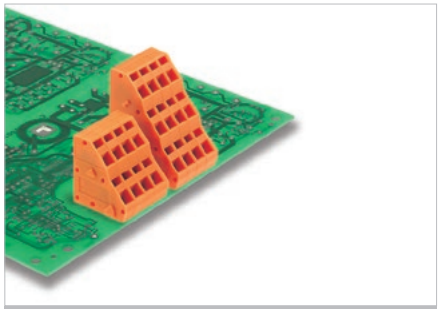
Solder pin length				3.5 mm
Colour				orange
Pitch	**10.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.00	0.394	100	**1953930000**
3	20.00	0.787	100	**1953940000**
4	30.00	1.181	100	**1953950000**
5	40.00	1.575	100	**1953960000**
6	50.00	1.969	100	**1953970000**
7	60.00	2.362	100	**1953980000**
8	70.00	2.756	100	**1953990000**
9	80.00	3.150	100	**1954000000**
10	90.00	3.543	100	**1954010000**
11	100.00	3.937	100	**1954020000**
12	110.00	4.331	100	**1954030000**

Additional deratings curves

LMZFL 10/../135



LMZF 5.08, multi-level



The high-performance device interface with a high connection density. Multi-level PCB terminal with tension clamp spring connection in 5.08 mm pitch for wire cross-sections up to 2.5 mm².

- Wire outlet direction: 135° version
- Simple switching of connection system – layout compatible with multi-level screw terminals.

Product data

IEC: 630 V / 15 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 24 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

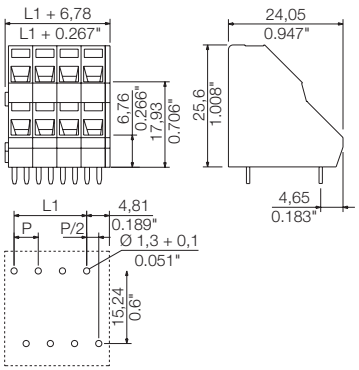
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2NZF 5.08/../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1.5		
Stripping length	mm	7.5		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264-A		
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**24-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	24-14		
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	0.7 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

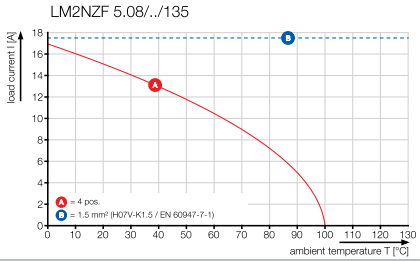
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.08	0.200	50	1764810000
6	10.16	0.400	50	1764820000
8	15.24	0.600	50	1764830000
10	20.32	0.800	50	1764840000
12	25.40	1.000	50	1764850000
14	30.48	1.200	20	1764860000
16	35.56	1.400	20	1764870000
18	40.64	1.600	20	1764880000
20	45.72	1.800	20	1758020000
22	50.80	2.000	20	1764890000
24	55.88	2.200	10	1764900000

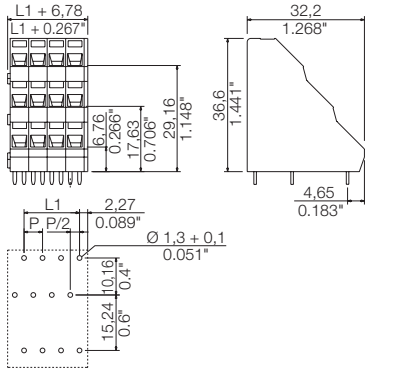
Representative deratings curve



LM3RZF 5.08/../135



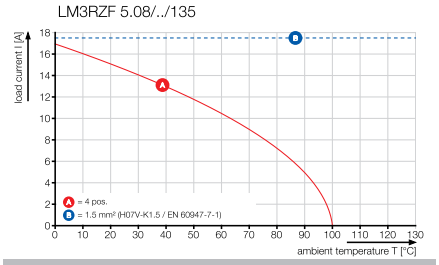
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1764910000
9	10.16	0.400	50	1764920000
12	15.24	0.600	50	1764930000
15	20.32	0.800	20	1764940000
18	25.40	1.000	20	1764950000
21	30.48	1.200	20	1758040000
24	35.56	1.400	10	1764960000
27	40.64	1.600	10	1764970000
30	45.72	1.800	10	1758030000
33	50.80	2.000	10	1764980000
36	55.88	2.200	10	1764990000

Additional deratings curves



OMNIMATE® Signal
PCB connectors in 2.50 mm pitch

OMNIMATE® Signal
PCB connectors in 2.50 mm pitch

PCB connectors in 2.50 mm pitch
Serie BLF 2.50/SL 2.50

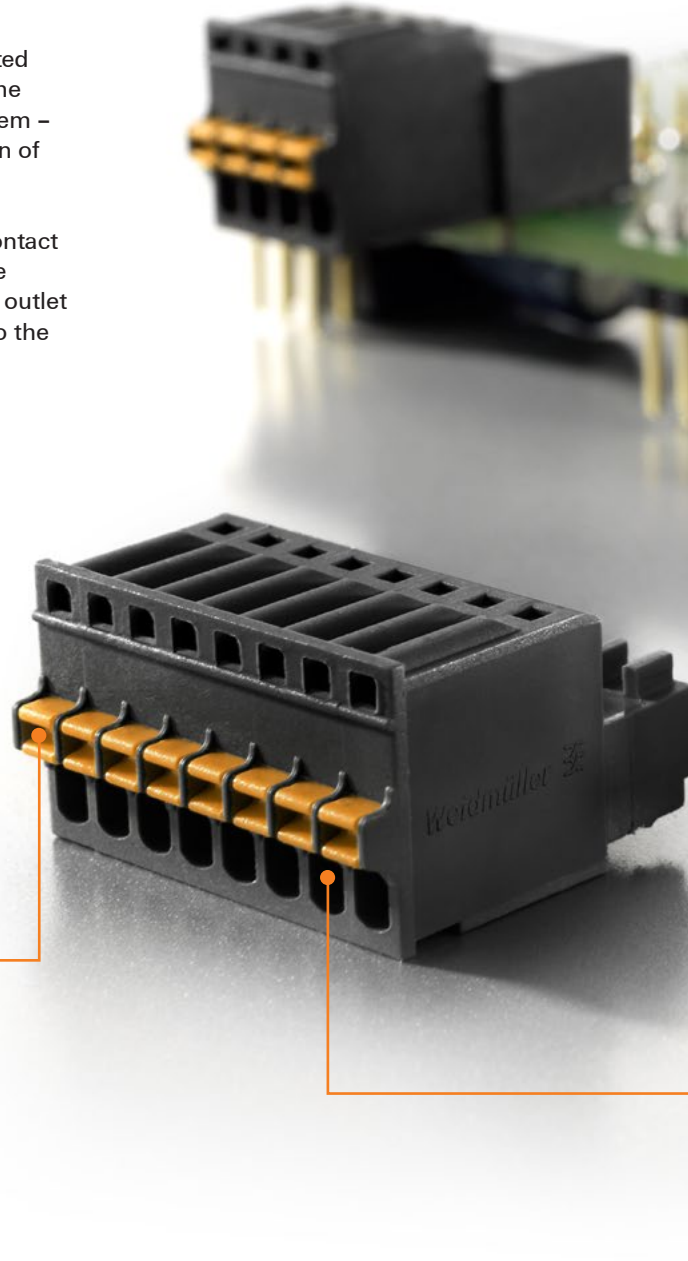
Explanation	H.2
Quick selection	H.4
Product selection	H.6

Use compact, functional connection solutions
BLF 2.5/SL 2.5 PUSH IN device connectors

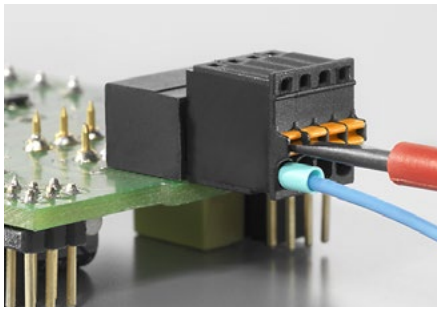
Especially for controls, I/O systems and signal interfaces in drive technology, it is now a question of ensuring components are as compact as possible while offering excellent functionality and simple handling.

The new BLF 2.5 OMNIMATE® signal plug-in connector and the associated SL 2.5 male connectors combine these requirements. This is thanks to the space-saving design and the particularly quick PUSH IN connection system – optimised for wire cross-sections of up to 0.5 mm² and a pitch dimension of 2.5 mm.

The BLF 2.5 connector has an integrated pusher to make opening the contact point easier. There is also an additional test point for user-friendly service measurements on the device. The SL 2.5 male header has two available outlet directions in various device designs and ensures excellent accessibility to the connector even in confined spaces.



Pusher gives operational safety
The contact point can be opened easily and the conductor removed by pressing the "pusher". This allows particularly fast and uniform wiring.



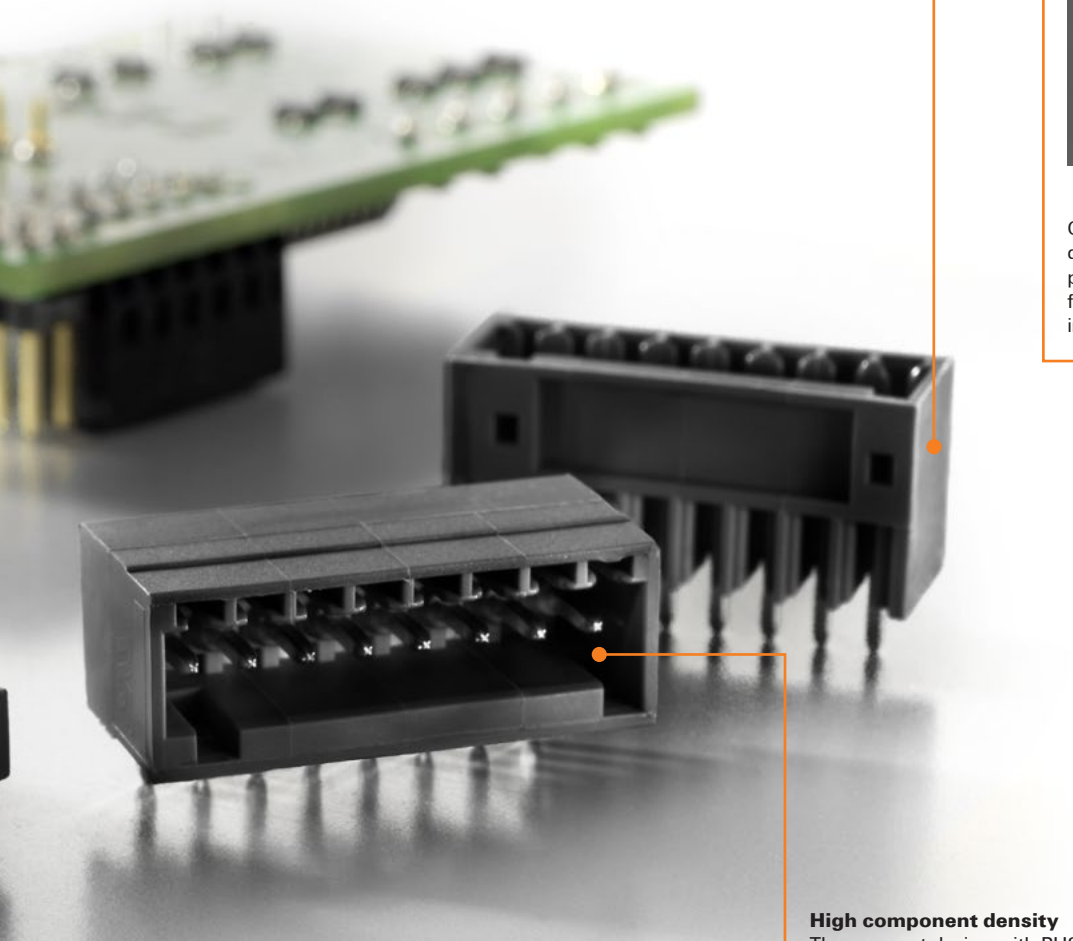
Flexible application
The SL 2.5 male header has two available outlet directions and can be used in many device designs. This means good connector availability can be guaranteed, even in confined spaces.



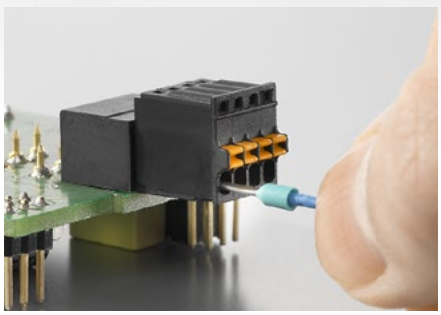
Optimum handling with minimum space requirements
All in one: the BLF 2.5 means you can benefit from a compact, pluggable connection solution for devices which is also simple.



Quick and safe wiring with high connection density: the PCB connectors in a 2.5 mm pitch enable space-saving signal interfaces for a variety of devices, for example, industrial controls.



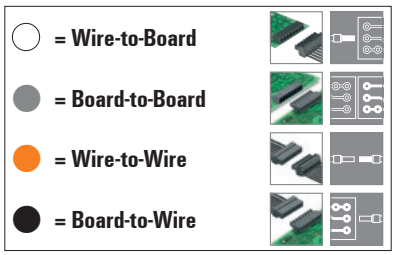
PUSH IN connector up to 0.5 mm²
Wires with wire-end ferrules and single-stranded wires can be inserted directly thanks to the PUSH IN connection technology which saves time and ensures reliable contacting.

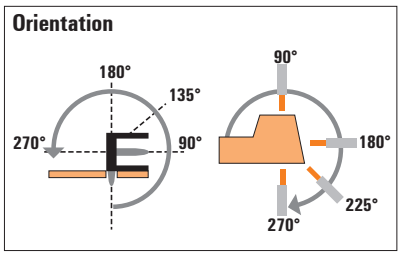


High component density
The compact design with PUSH IN connections and very small 2.5 mm pitch size is perfectly suited for wire cross-sections of up to 0.5 mm².



www.weidmueller.com/omnimate





Serie BLF/2.50/SL 2.50

Type	Orientation	Flange options	IEC / UL	Levels
Female plug Spring PUSH IN		**BLF**	180°	(G)	IEC: 320 V / 6 A / 0.08 - 0.5 mm² UL: 150 V / 5 A / AWG 28 - 20	

Female connector:
(G)* = Closed (without flange)
F = Screw flange with screw
LH = Release lever
LR = Lock & Release lever

Male header:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut

* not included in the article description

Male header



Solder connection

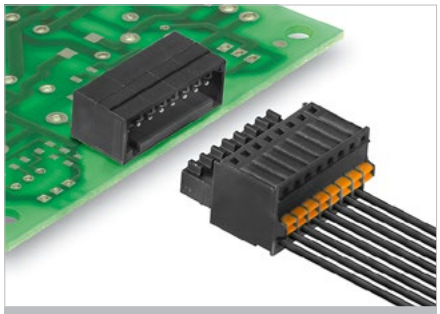




	1	
	SL	**SL**
	90°	180°
	G	G
	IEC: 320 V/6 A UL: 150 V/5 A	IEC: 320 V/6 A UL: 150 V/5 A
	○	○

Connectors in 2.50 mm pitch
BLF 2.50 / SL 2.50

SL 2.50/../90G and 180G



Male header for wave soldering in 2.50mm pitch.
- Plugging direction is parallel (90°) or straight 180° to the PCB
- Housing variant: Closed (G)
- Packaged in a cardboard box (BX)

Product data

IEC: 320 V / 6 A
UL: 150 V / 5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

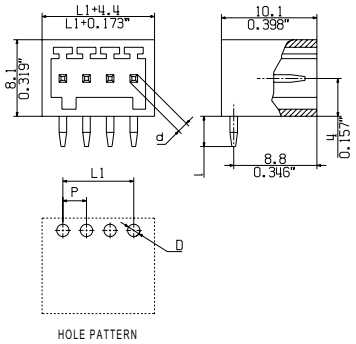
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 2.50/../90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**6**		**6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**320**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**		
Rated current	**A**	**5**		
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150		
Rated current	A	5		
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 66		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 0.8		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

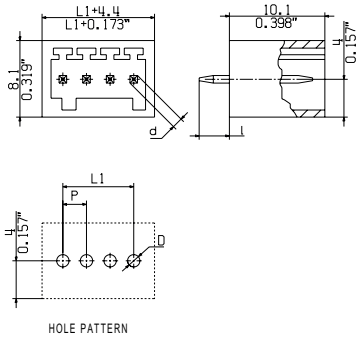
Solder pin length				3.2 mm
Colour				black
Pitch	**2.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	2.50	0.984	250	**2439660000**
3	5.00	1.968	250	**2439760000**
4	7.50	2.952	250	**2439770000**
5	10.00	3.936	200	**2439780000**
6	12.50	4.920	175	**2439790000**
7	15.00	5.904	125	**2439800000**
8	17.50	6.888	125	**2439810000**
9	20.00	7.872	125	**2439820000**
10	22.50	8.856	100	**2439830000**
11	25.00	9.840	100	**2439840000**
12	27.50	10.824	75	**2439850000**

SL 2.50/../180G Box

closed side



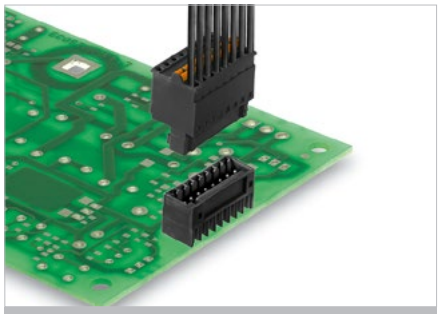
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**2.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	2.50	0.984	250	2439910000
3	5.00	1.968	250	2439920000
4	7.50	2.952	250	2439930000
5	10.00	3.936	200	2439940000
6	12.50	4.920	175	2439950000
7	15.00	5.904	125	2439960000
8	17.50	6.888	125	2439970000
9	20.00	7.872	125	2439980000
10	22.50	8.856	100	2439990000
11	25.00	9.840	100	2440000000
12	27.50	10.824	75	2440010000

BLF 2.50/../180



PUSH IN - Weidmüller's innovative connection system simplifies the wire connection process.

The benefits for users and applications:
- High component density because of small pitch. Simply insert the prepared wire - and you're done
- Simplified processing, featuring integrated push buttons for opening the wire-terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated

Product data

IEC: 320 V / 6 A / 0.08 - 0.5 mm²
UL: 150 V / 5 A / AWG 28 - 20

72h

For additional articles and information, refer to eshop.weidmueller.com

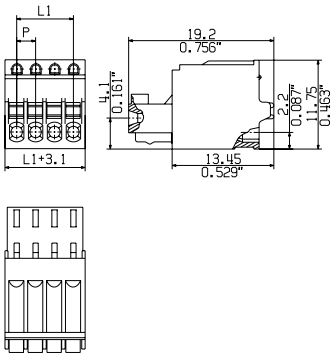
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 2.50/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...0.5		
Solid core H05(07) V-U	**mm²**	**0.08...0.5**		
Stranded H07 V-R		...0.5		
Flexible H05(07) V-K	mm²	0.08...0.5		
Flexible with ferrule	mm²	0.25...0.34		
Ferrule with plastic collar				
Stripping length	mm	8		
Screwdriver blade	mm			
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**6**		**6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**320**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**		
Rated current	**A**	**5**		
AWG conductor	**AWG**	**28-20**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150		
Rated current	A	5		
AWG conductor	AWG	28-20		
General data				
Type of insulation material		PA		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length

Colour **black**

Pitch 2.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	2.50	0.984	250	2438860000
3	5.00	1.968	250	2439650000
4	7.50	2.952	250	2439670000
5	10.00	3.936	200	2439680000
6	12.50	4.920	175	2439690000
7	15.00	5.904	125	2439700000
8	17.50	6.888	125	2439710000
9	20.00	7.872	125	2439720000
10	22.50	8.856	100	2439730000
11	25.00	9.840	100	2439740000
12	27.50	10.824	75	2439750000

OMNIMATE® Signal
PCB connectors in 3.50 mm pitch

OMNIMATE® Signal
PCB connectors in 3.50 mm pitch

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

Explanation	I.2
Quick selection	I.4
Product selection	I.6

Connectors in 3.50 mm pitch
Series BL/SL 3.50

Explanation	I.20
Quick selection	I.28
Product selection	I.30

Powerful compact connector with PUSH IN wire connection

OMNIMATE® Signal – simple and safe connection for wires up to 1.5 mm²

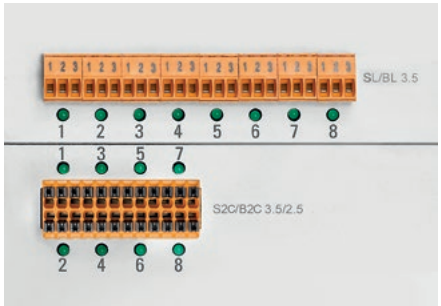
PUSH IN

When designing customised device connectivity products for modern applications, it is becoming increasingly important to find the perfect fit between device miniaturisation and increased device functionality. Our new double-row OMNIMATE® B2CF Signal connector, in 3.5 mm pitch, has this perfect fit and enables a new generation of more compact installations.

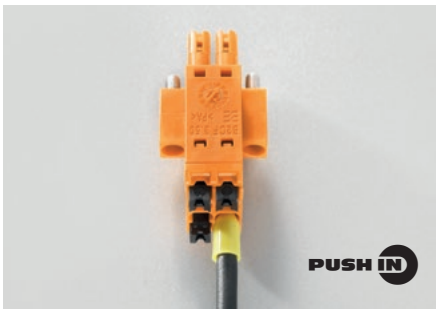
This connector is easy to work with, despite the increased functionality being packed into a compact space. The PUSH IN direct-insert wire connection mechanism allows you to conveniently connect the signal wires. There are more useful features: the tool-free locking and unlocking, the touch-safe male header, and the outstanding clarity provided by easy-to-read markers that identify each terminal point.



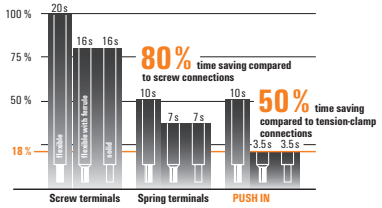
Packing Density 2.0
Smaller devices with increased technical capabilities are being designed for more applications. They take advantage of more contacts packed onto a small surface and a large wire cross-section capacity.



Large wire cross-sections
You can easily connect wires with cross-sections up to 1.5 mm² (when using wire-end ferrules) and up to 1.0 mm² (when using ferrules and plastic collars).



Direct insertion
PUSH IN: the quick, tool-free, intuitive connection mechanism for prepared wires.
www.weidmueller.com/push-in



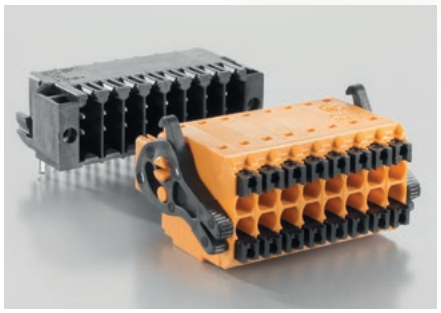
Halogen-free and IEC 60335
Halogen-free materials ensure future compatibility and extended approvals enhance the range of use for new device designs.



Convincing system accessories
Our matching accessories – including markers, light guides, strain relief and coding – improve operational safety and enable a professional design.



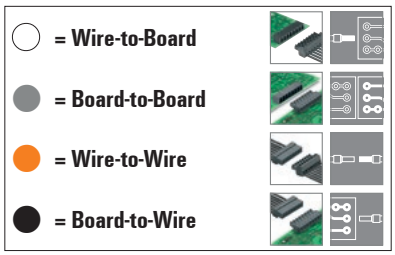
Convincing safety during use
This connector system is safe to use, with attractive features such as quick wire connections, tool-free locking and unlocking, and touch-safe design.

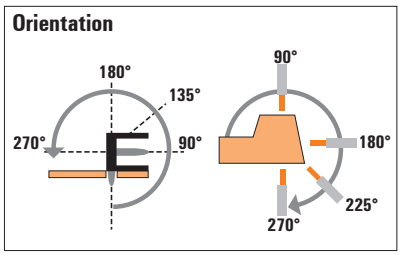


Solid PUSH IN contacts
A safe, permanent connection is ensured by the optimised spring steel and specially-shaped contact element.

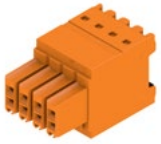


www.weidmueller.com/omnimate





B2C/S2C 3.50 series

		Type	Orientation	Flange options	Levels IEC / UL
Female plug	Spring PUSH IN		**B2CF**	180°	(G)/F/LR	IEC: 320 V/13.4 A/0.14 - 1.5 mm² UL: 300 V/10 A/AWG 26 - 16
	Tension clamp (with internal cross connection)		**B2L QV**	180°	(G)/F/LH	IEC: 200 V/10.6 A/0.2 - 1 mm² UL: 150 V/7 A/AWG 28 - 18

Female connector:
(G)* = Closed (without flange)
F = Screw flange with screw
LH = Release lever
LR = Lock & Release lever

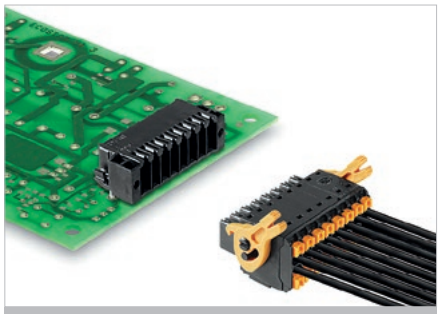
Male header:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut

* not included in the article description

Male header				
Reflow solder connection			Solder connection	
				
1		2	1	
S2C-SMT	**S2C-SMT**	**S2CD-THR**	**S2L**	**S2L**
90°	180°	90°	90°	180°
G/LF	G/LF	G/LF	G/F	G/F
IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/7.9 A UL: 150 V/7 A	IEC: 250 V/10 A UL: 150 V/10 A	IEC: 250 V/10 A UL: 150 V/10 A
○	○	○	○	○
			○	○

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

B2CF/S2C and B2L/S2C 3.50 series



High-temperature-resistant, double-row male header
- Finger-safe
- Plugging direction parallel to PCB (recumbent / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Can be plugged into female plug B2CF 3.50/../180..

Product data

IEC: 200 V / 13.4 A
UL: 150 V / 9.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

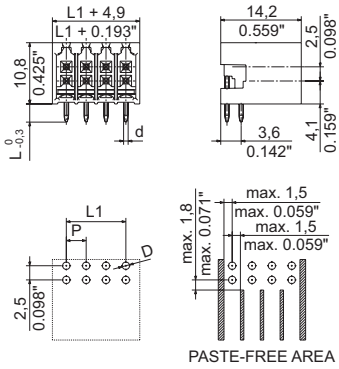
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2C-SMT 3.50/../90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**13.4**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**160**	**200**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	
Rated current	**A**	**9.5**	**9.5**	**9.5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150	50	150
Rated current	A	9.5	9.5	9.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000
LED light guide		
	S2L/S2C 3.5 FLA 20/10 SMD	1814590000

Ordering data

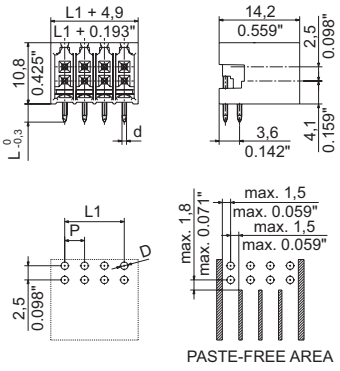
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	3.50	0.138	216	1288980000
6	7.00	0.276	156	1289270000
8	10.50	0.413	120	1289280000
10	14.00	0.551	96	1289290000
12	17.50	0.689	78	1289300000
14	21.00	0.827	66	1289310000
16	24.50	0.965	60	1289320000
18	28.00	1.102	54	1289330000
20	31.50	1.240	48	1289340000
22	35.00	1.378	42	1289350000
24	38.50	1.516	42	1289370000

S2C-SMT 3.50/../90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	235	1359580000
6	7.00	0.276	235	1359590000
8	10.50	0.413	235	1359600000
10	14.00	0.551	235	1359610000
12	17.50	0.689	235	1359620000
14	21.00	0.827	235	1359630000
16	24.50	0.965	235	1359640000
18	28.00	1.102	235	1359650000
20	31.50	1.240	235	1359670000
22	35.00	1.378	235	1359680000
24	38.50	1.516	235	1359690000

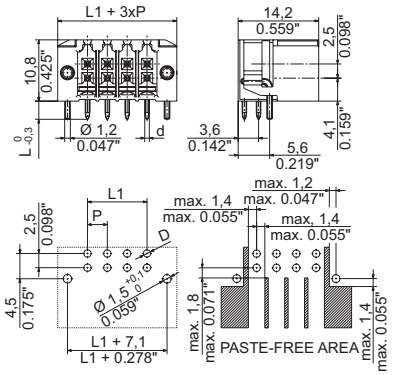
Tape widths: 32, 44, 56, 72, 88

S2C-SMT 3.50/../90LF Box

with solder flange



Dimensioned drawing



Ordering data

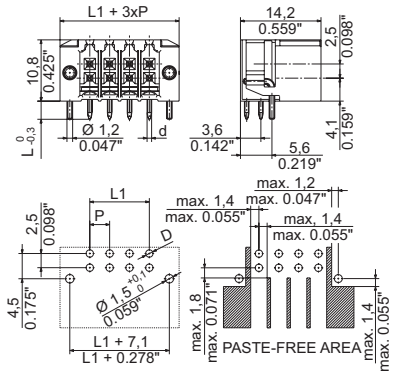
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	132	1289450000
6	7.00	0.276	102	1289460000
8	10.50	0.413	84	1289470000
10	14.00	0.551	72	1289480000
12	17.50	0.689	66	1289490000
14	21.00	0.827	54	1289500000
16	24.50	0.965	48	1289510000
18	28.00	1.102	48	1289520000
20	31.50	1.240	42	1289530000
22	35.00	1.378	36	1289540000
24	38.50	1.516	36	1289550000

S2C-SMT 3.50/../90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



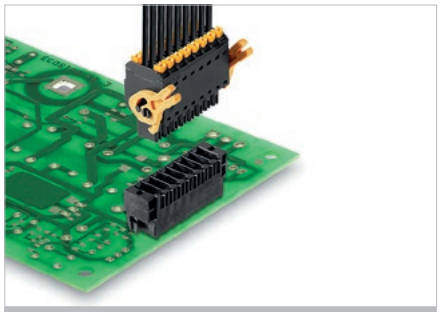
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	235	1359080000
6	7.00	0.276	235	1359090000
8	10.50	0.413	235	1359110000
10	14.00	0.551	235	1359120000
12	17.50	0.689	235	1359130000
14	21.00	0.827	235	1359140000
16	24.50	0.965	235	1359150000
18	28.00	1.102	235	1359160000
20	31.50	1.240	235	1359170000

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

S2C-SMT 3.50/../180



High-temperature-resistant, double-row male header
- Finger-safe
- Plugging direction vertical to PCB (standing / 180°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Pluggable to female connector B2CF 3.50/../180..

Product data

IEC: 200 V / 13.4 A
UL: 150 V / 9.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

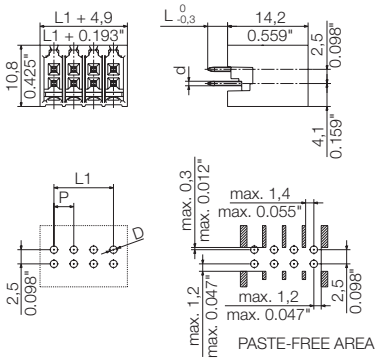
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2C-SMT 3.50/../180G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**13.4**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**160**	**200**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	
Rated current	**A**	**9.5**	**9.5**	
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150	50	150
Rated current	A	9.5	9.5	9.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000

Ordering data

Solder pin length 3.5 mm
Colour black
Pitch 3.50 mm

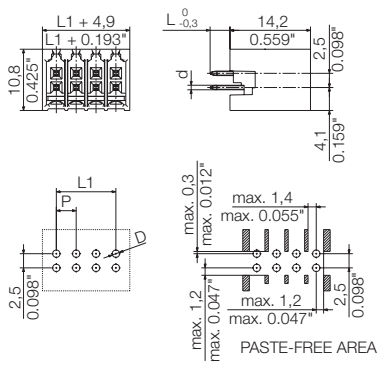
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	216	1290030000
6	7.00	0.276	156	1290040000
8	10.50	0.413	120	1290050000
10	14.00	0.551	96	1290060000
12	17.50	0.689	78	1290070000
14	21.00	0.827	66	1290080000
16	24.50	0.965	60	1290090000
18	28.00	1.102	54	1290110000
20	31.50	1.240	48	1290120000
22	35.00	1.378	42	1290130000
24	38.50	1.516	42	1290140000

S2C-SMT 3.50/../180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	175	1358860000
6	7.00	0.276	175	1358870000
8	10.50	0.413	175	1358880000
10	14.00	0.551	175	1358900000
12	17.50	0.689	175	1358920000
14	21.00	0.827	175	1358940000
16	24.50	0.965	175	1358970000
18	28.00	1.102	175	1358990000
20	31.50	1.240	175	1359020000
22	35.00	1.378	175	1359040000
24	38.50	1.516	150	1359060000

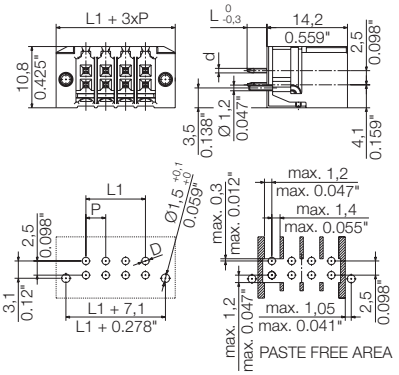
Tape widths: 32, 44, 56, 72, 88

S2C-SMT 3.50/../180LF Box

with solder flange



Dimensioned drawing



Ordering data

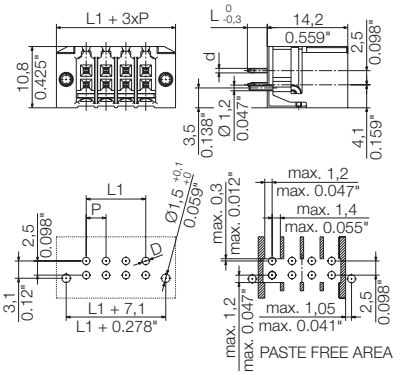
Solder pin length				3.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	132	1290220000
6	7.00	0.276	102	1290230000
8	10.50	0.413	84	1290240000
10	14.00	0.551	72	1290250000
12	17.50	0.689	66	1290260000
14	21.00	0.827	54	1290270000
16	24.50	0.965	48	1290280000
18	28.00	1.102	48	1290290000
20	31.50	1.240	42	1290310000
22	35.00	1.378	36	1290320000
24	38.50	1.516	36	1290330000

S2C-SMT 3.50/../180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



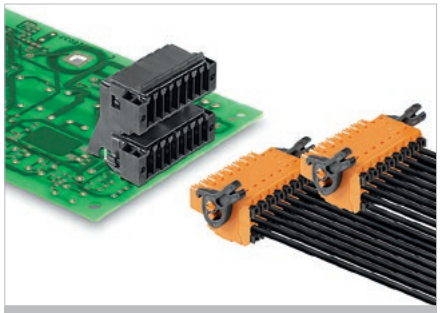
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	175	1358630000
6	7.00	0.276	175	1358640000
8	10.50	0.413	175	1358650000
10	14.00	0.551	175	1358670000
12	17.50	0.689	175	1358680000
14	21.00	0.827	175	1358690000
16	24.50	0.965	175	1358700000
18	28.00	1.102	175	1358710000
20	31.50	1.240	150	1358720000

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

S2CD-THR 3.50/../90



High contact density on a small surface: 75% space savings on the PCB. The only 4-row double-level male header for typical IP 20 sensor interfaces in 3.50 mm pitch.

- Finger-safe
- Plugging direction in parallel to circuit board (horizontal / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed in a cardboard box (BX)
- Suitable for reflow and wave soldering applications
- Pin length 3.2 mm
- Can be plugged into female plug B2CF 3.50/../180..

Product data

IEC: 200 V / 7.9 A
UL: 150 V / 9.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

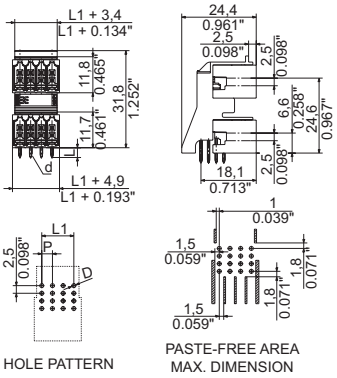
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2CD-THR 3.50/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**7.9**		**6.8**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**100**	**160**	**200**
Rated impulse voltage	kV	1.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	**50**
Rated current	**A**	**9.5**	**9.5**	**9.5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	50	50	150
Rated current	A	5	9.5	9.5
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
8	10.50	0.413	50	1357790000
12	17.50	0.689	50	1357800000
16	24.50	0.965	20	1357820000
20	31.50	1.240	20	1357830000
24	38.50	1.516	20	1357840000
28	45.50	1.791	20	1357850000
32	52.50	2.067	20	1357870000
36	59.50	2.343	20	1357880000

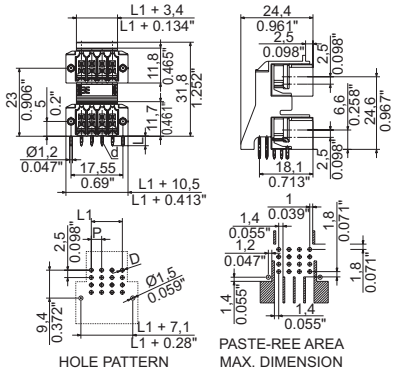
1.5 mm solder pin length available on request

S2CD-THR 3.50/../90LF

with solder flange



Dimensioned drawing



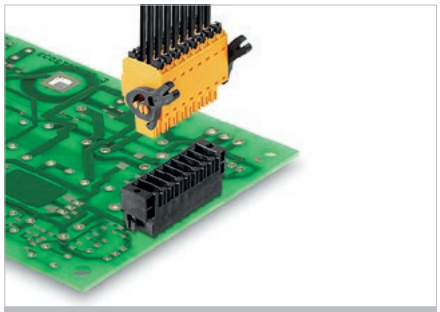
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
8	3.50	0.137	50	**1357890000**
12	7.00	0.274	50	**1357900000**
16	10.50	0.411	20	**1357920000**
20	14.00	0.548	20	**1357930000**
24	17.50	0.685	20	**1357940000**
28	21.00	0.822	20	**1357950000**
32	24.50	0.959	20	**1357970000**
36	28.00	1.096	20	**1357990000**

1.5 mm solder pin length available on request

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

B2CF 3.50/../180



Two-row female plug with PUSH IN spring connection.
- Simply insert the prepared wires - finished
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Integrated push-buttons for opening the terminal point
- High component density because of low heights
- Optional: the lock and release requires no tools when using Weidmüller's patented (LR) release latch
- Approval according to IEC 60335 and GL in preparation
- Also compatible with series: S2L 3.50, S2L-SMT 3.50 and S2LD-THR 3.50

Product data

IEC: 320 V / 13.4 A / 0.14 - 1.5 mm²
UL: 300 V / 9.5 A / AWG 30 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

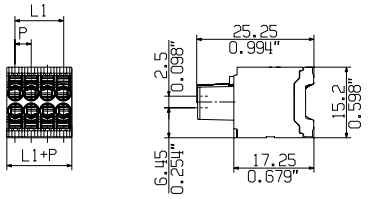
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the conductor 2.6 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

B2CF 3.50/../180



Dimensioned drawing





Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.14...1.5		
Solid core H05(07) V-U	**mm²**	**0.14...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.14...1.5		
Flexible with ferrule	mm²	0.14...1.5		
Ferrule with plastic collar	mm²	0.14...1		
Stripping length	mm	10		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**13.4**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	15		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**50**	**300**
Rated current	**A**	**9.5**	**9.5**	**9.5**
AWG conductor	**AWG**		**30-16**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	9.5	9.5	9.5
AWG conductor	AWG		30-16	
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000
Strain relief		
	BL 3.50 ZE03 OR BX	1629680000
	BL 3.50 ZE03 BK BX	1627820000
	BL 3.50 ZE08 OR BX	1629690000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
Pressing tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Solder pin length

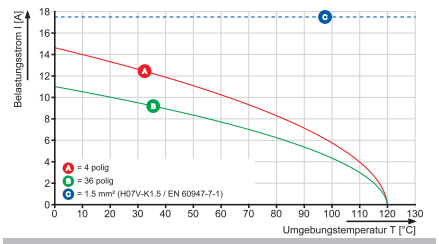
Colour orange

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	215	1277270000
6	7.00	0.276	145	1277280000
8	10.50	0.413	132	1277290000
10	14.00	0.551	102	1277310000
12	17.50	0.689	84	1277320000
14	21.00	0.827	72	1277330000
16	24.50	0.965	66	1277340000
18	28.00	1.102	54	1277350000
20	31.50	1.240	48	1277360000
22	35.00	1.378	48	1277370000
24	38.50	1.516	42	1277380000

Representative deratings curve

B2CF 3.50/../180 - S2C-SMT 3.50/../90

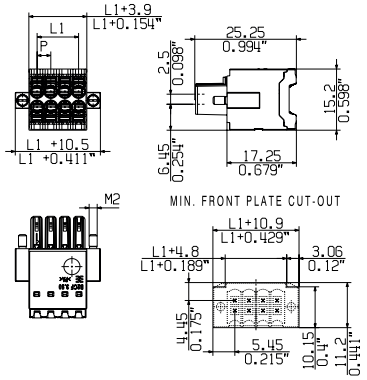


B2CF 3.50/../180F

with screw flange



Dimensioned drawing



Ordering data

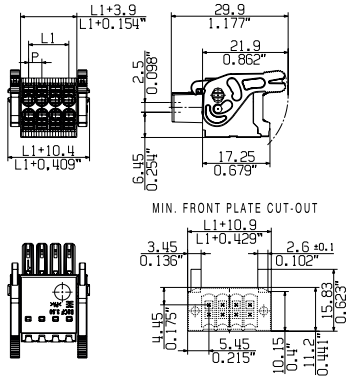
Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	90	1277650000
6	7.00	0.276	75	1277670000
8	10.50	0.413	84	1277680000
10	14.00	0.551	72	1277690000
12	17.50	0.689	66	1277720000
14	21.00	0.827	54	1277730000
16	24.50	0.965	48	1277740000
18	28.00	1.102	48	1277750000
20	31.50	1.240	42	1277760000
22	35.00	1.378	36	1277770000
24	38.50	1.516	36	1277780000

B2CF 3.50/../180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	105	1278040000
6	7.00	0.276	85	1278050000
8	10.50	0.413	84	1278060000
10	14.00	0.551	72	1278070000
12	17.50	0.689	66	1278080000
14	21.00	0.827	54	1278090000
16	24.50	0.965	48	1278100000
18	28.00	1.102	48	1278110000
20	31.50	1.240	42	1278120000
22	35.00	1.378	36	1278130000
24	38.50	1.516	36	1278140000

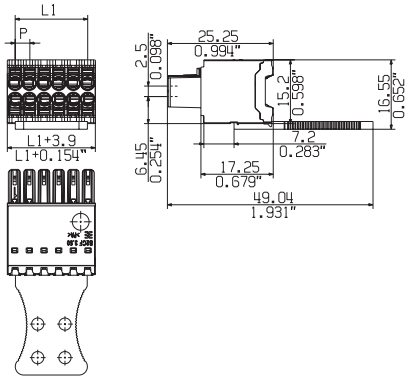
Release lever (LH) see Online catalogue

B2CF 3.50/../180ZE

with strain relief



Dimensioned drawing

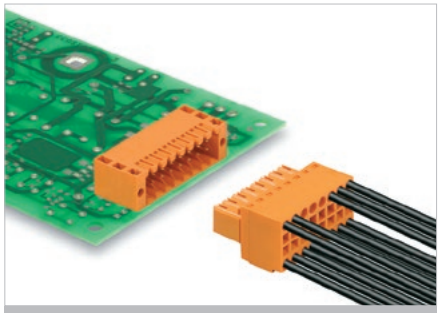


Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
12	17.50	0.689	84	2730830000
14	21.00	0.827	72	2730900000
16	24.50	0.965	66	3021270000
18	28.00	1.102	54	3021310000
20	31.50	1.240	48	3021330000
22	31.50	1.240	48	3021340000
24	38.50	1.516	42	3021350000

Double-row connectors in 3.50 mm pitch
Series B2L/S2L 3.50

S2L 3.50/../90



Angled, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. Available in closed (G) version and with screw flange (F).

Product data

IEC: 250 V / 10 A
UL: 150 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

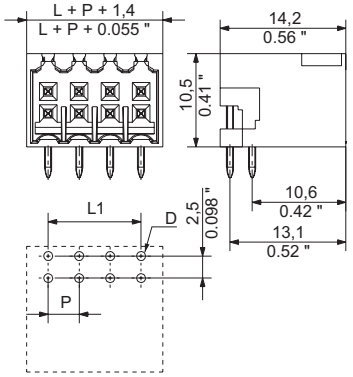
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.3+0.1 mm
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2L 3.50/../90G

closed ends



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**10**		**9**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**125**	**250**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	
Rated current	**A**	**10**	**10**	
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150		
Rated current	A	5		
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 K0 OR BX	1849730000
	B2L/S2L 3.50 K0 BK BX	1849740000
LED light guide		
	S2L/S2C 3.5 FLA 20/10	1699580000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
6	7.00	0.276	156	1727830000
8	10.50	0.413	120	1727840000
10	14.00	0.551	96	1727850000
12	17.50	0.689	78	1727860000
14	21.00	0.827	66	1727870000
16	24.50	0.965	60	1727880000
18	28.00	1.102	54	1727890000
20	31.50	1.240	48	1727900000
22	35.00	1.378	42	1727910000
24	38.50	1.516	42	1727920000

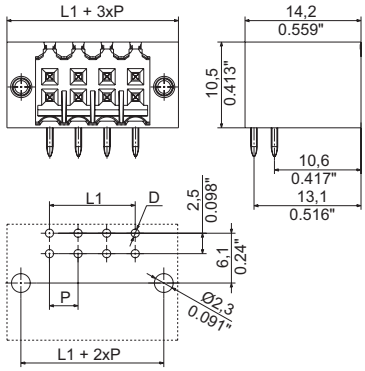
For open version, see online catalogue

S2L 3.50/../90F

with screw flange



Dimensioned drawing



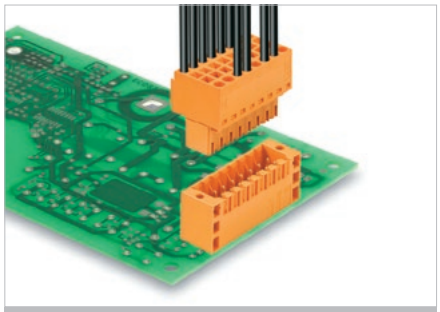
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	102	1728470000
8	10.50	0.413	84	1728480000
10	14.00	0.551	72	1728490000
12	17.50	0.689	66	1728500000
14	21.00	0.827	54	1728510000
16	24.50	0.965	48	1728520000
18	28.00	1.102	48	1728530000
20	31.50	1.240	42	1728540000
22	35.00	1.378	36	1728550000
24	38.50	1.516	36	1728560000

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch
Series B2L/S2L 3.50

S2L 3.50/../180



Straight, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. The flange version can be screwed on the PCB. The male headers provide space for labelling and can be coded. Available in closed (G) version and with screw flange (LF).

Product data

IEC: 250 V / 10 A
UL: 150 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

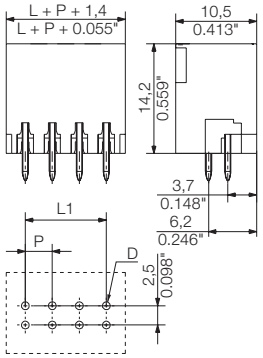
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.3+0.1 mm
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2L 3.50/../180G

closed ends



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**10**		**9**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**125**	**250**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	
Rated current	**A**	**10**	**10**	
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	150		
Rated current	A	5		
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
6	7.00	0.276	156	1728790000
8	10.50	0.413	120	1728800000
10	14.00	0.551	96	1728810000
12	17.50	0.689	78	1728820000
14	21.00	0.827	66	1728830000
16	24.50	0.965	60	1728840000
18	28.00	1.102	54	1728850000
20	31.50	1.240	48	1728860000
22	35.00	1.378	42	1728870000
24	38.50	1.516	42	1728880000

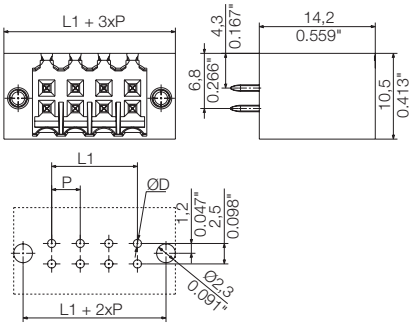
For open version, see online catalogue

S2L 3.50/../180F

with screw flange



Dimensioned drawing



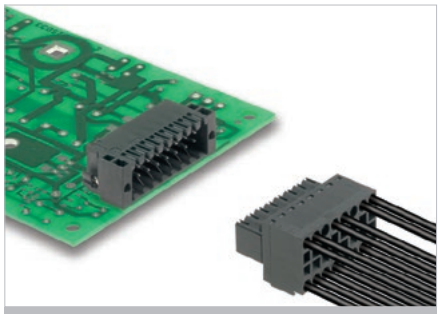
Ordering data

Solder pin length				3.5 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	102	1729430000
8	10.50	0.413	84	1729440000
10	14.00	0.551	72	1729450000
12	17.50	0.689	66	1729460000
14	21.00	0.827	54	1729470000
16	24.50	0.965	48	1729480000
18	28.00	1.102	48	1729490000
20	31.50	1.240	42	1729500000
22	35.00	1.378	36	1729510000
24	38.50	1.516	36	1729520000

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch
Series B2L/S2L 3.50

B2L 3.50/../180 QV



Female plugs with integral cross-connection.
- Cross-connection is positioned vertically between the poles of rows directly on top of each other.
- Tension clamp connection with straight outlet and 3.5 mm pitch.
- Flange (F) and release lever (LH) available.

Product data

IEC: 200 V / 10.6 A / 0.2 - 1 mm²
UL: 150 V / 7 A / AWG 28 - 18

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

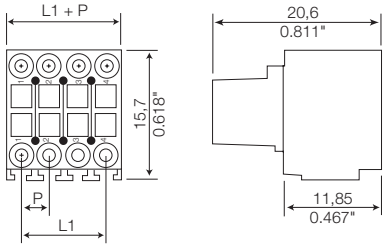
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

B2L 3.50/../180QV

with cross-connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1		
Solid core H05(07) V-U	**mm²**	**0.2...1**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1		
Flexible with ferrule	mm²	0.14...0.34		
Ferrule with plastic collar	mm²	0.14...0.34		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**10.6**		**9.1**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**80**	**160**	**200**
Rated impulse voltage	kV	1.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**150**	**50**	
Rated current	**A**	**7**	**7**	
AWG conductor	**AWG**		**28-18**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	7		
AWG conductor	AWG		28-18	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

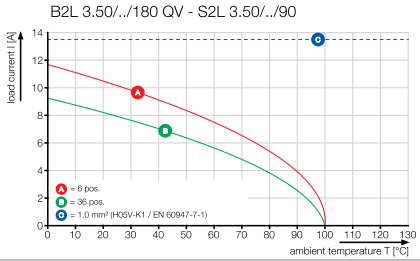
Solder pin length

Colour black

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	174	1944590000
8	10.50	0.413	132	1944600000
10	14.00	0.551	102	1944610000
12	17.50	0.689	84	1944620000
14	21.00	0.827	72	1944630000
16	24.50	0.965	66	1944640000
18	28.00	1.102	54	1944650000

Representative deratings curve

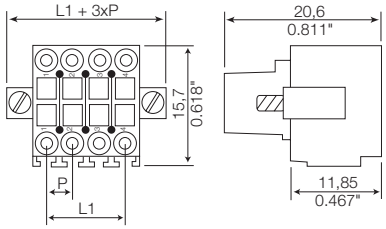


B2L 3.50/../180FQV

with cross-connection and flange



Dimensioned drawing



Ordering data

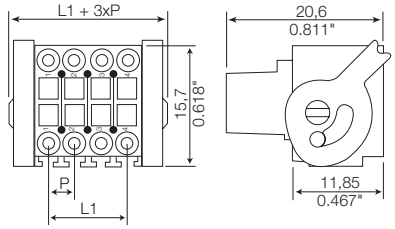
Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	108	1944670000
8	10.50	0.413	90	1944680000
10	14.00	0.551	72	1944690000
12	17.50	0.689	66	1944700000
14	21.00	0.827	20	1944710000
16	24.50	0.965	54	1944720000
18	28.00	1.102	48	1944730000

B2L 3.50/../180LHQV

with cross-connection and release lever



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	108	1944750000
8	10.50	0.413	90	1944760000
10	14.00	0.551	72	1944770000
12	17.50	0.689	66	1944780000
14	21.00	0.827	20	1944790000
16	24.50	0.965	54	1944800000
18	28.00	1.102	48	1944810000

Excellent design & performance: the single row BL/SL Connector system with 3.50 pitch and the connection of I/Os

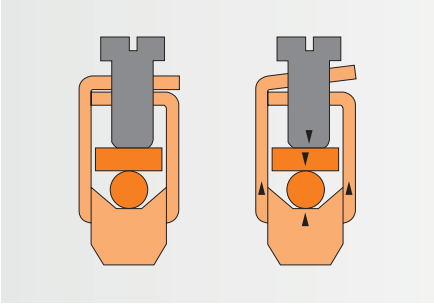
Extensive range of male headers and female plugs that cover different angles to the PCB and conductor angle to the field as well as a large range of accessories make the 3.50 mm pitch very versatile.

Strong in performance and connections, compact in its size:

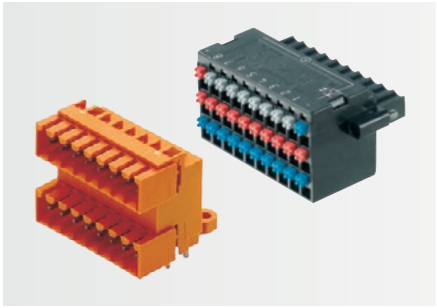
- Wire cross-sections from 0.20 to 1.5 mm² (AWG 28-14)
- Wire connection without special tools
- More than just extra-low voltages: up to 250 V (IEC) / 300 V (UL)
- More than enough: up to 17 A (IEC) / 10 A (UL)



Reliable connection technology
Decide on the best connection technology such as the service-free standard: Weidmüller clamping yoke connection with 100 % reliability and 100 % work output: steel for strength and copper for current.

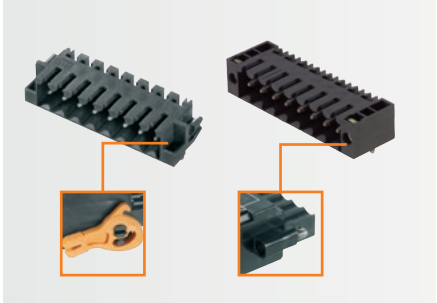


Maximum packing density
Either in a device using double layer male headers SLD or in the field using a 3 row socket connector BL-I/O.





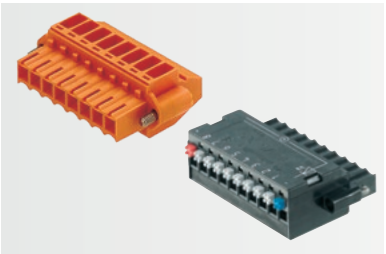
Release latch or screw flange
The release latch guarantees a good connection between the female plug and the device and also, particularly for systems with many pins, ensures an assembly protecting release of the connection. The screw flange creates a vibration and shake-proof connection between the panel connection and the device.



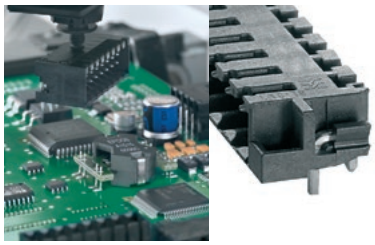
Advanced application possibilities
The extensive range of accessories increases the versatility and permits any desired combination of male headers and female plugs.



Versatile field connection
Choose your individual connection from the classic BL screw connection or the future-proof PUSH IN connection BLF or BL-I/O.



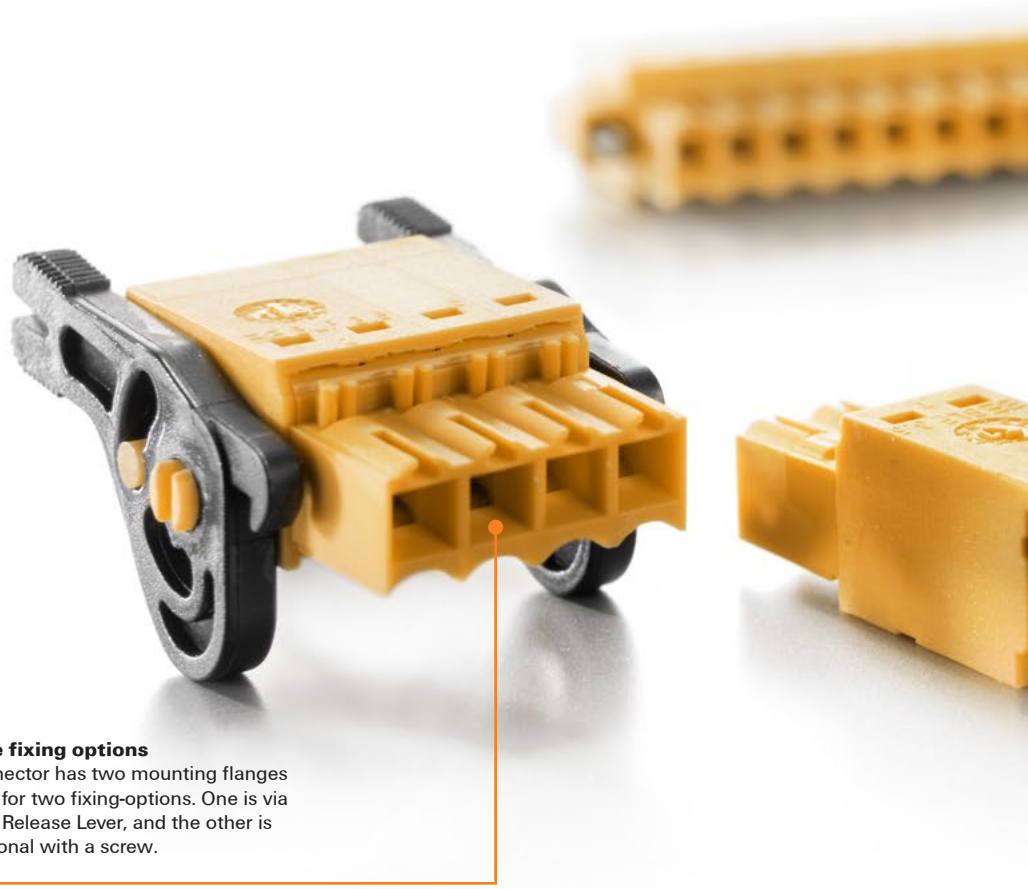
Optimum processing
The tape-on-reel packaging for high temperature-resistant male headers made of LCP guarantees a suitable product for automated processing. The integrated solder flange significantly increases the PCB's stability and replaces the screw that would normally be added later.



Efficient connections on smallest footprint
BLF 3.5 PUSH IN connector in 3.50 mm pitch

Increasingly complex control systems are required in industrial automation technology. In addition, the cost pressure and the requirements for plant safety are rising. The PUSH IN connector BLF 3.5 sets new standards in order to meet these challenges optimally.

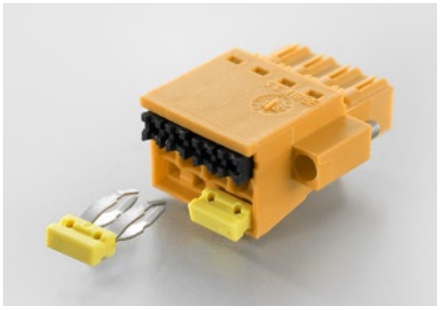
The particularly flat and compact BLF 3.5 has been developed especially for industrial automation technology. Its PUSH IN connection technology, equipped with functional release and locking levers, is suitable for conductor cross sections up to 1.5 mm² and supports a fast and reliable handling during installation and maintenance. A safety rib prevents accidentally pushing the lever when plugging.

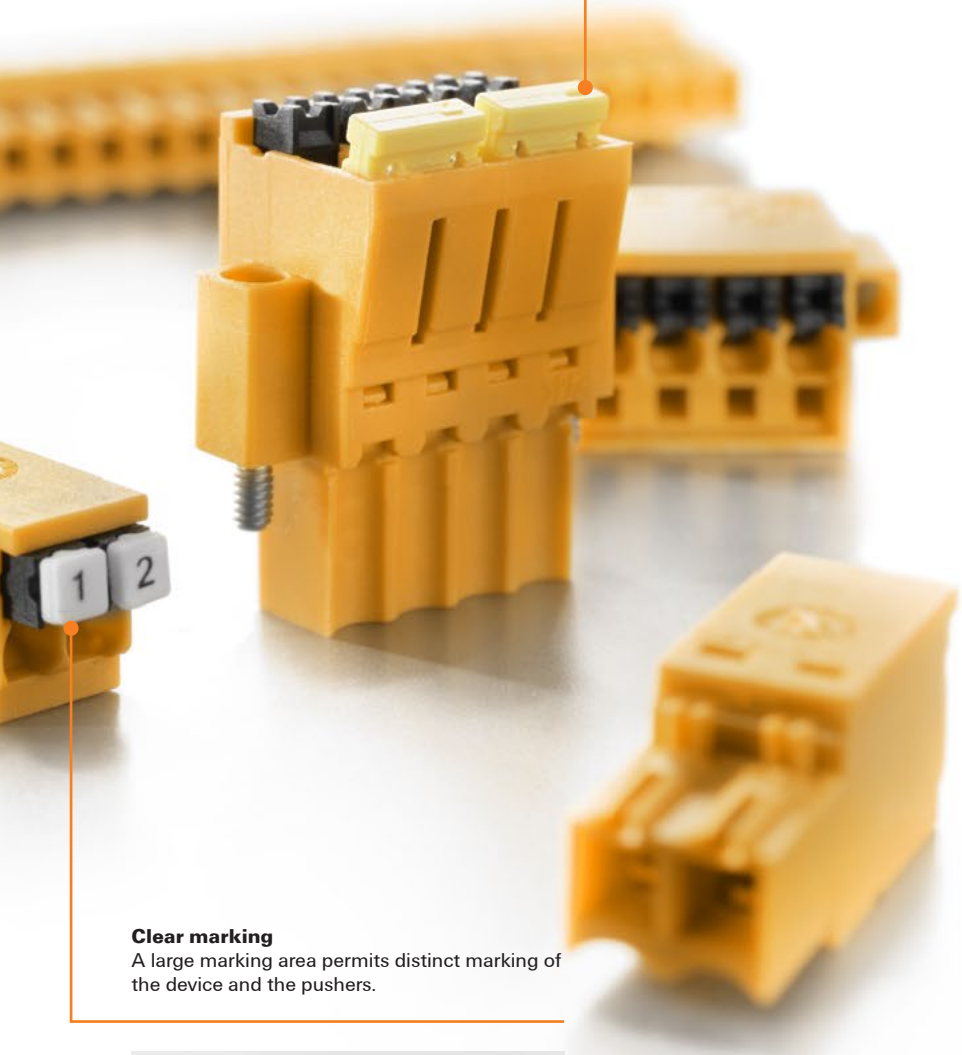


Variable fixing options
The connector has two mounting flanges allowing for two fixing-options. One is via a Lock & Release Lever, and the other is conventional with a screw.



Pluggable cross connection
With the standard accessory ZQV 1.5N/ R3.5/2-4, pluggable cross connections can be established with up to four poles.





Clear marking
A large marking area permits distinct marking of the device and the pushers.



Your special advantages

- PUSH IN connectors for conductor cross sections up to 1.5 mm²
- High component density thanks to compact design
- Highly visible marking field for labelling
- Integrated mounting flanges
- Strain relief to fix and pull out the wire
- Pluggable cross connection optional

Webcode: #11410

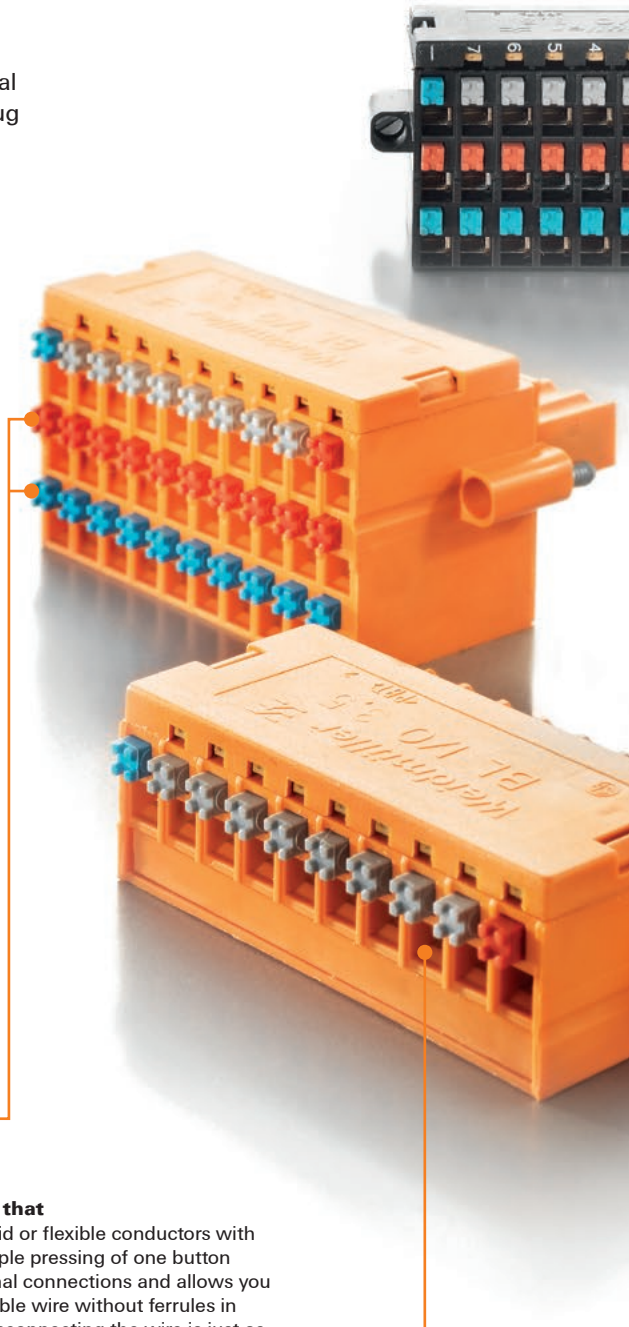
Small – smaller – BL-I/O: minimal size – maximum functionality

You have a free choice for the field wiring: whether you prefer the compact version with our 3 row female plug BL-I/O 3.50/30-poles or rather conventional systems with terminals or interface modules lowercase's. Since the female plug BL-I/O 3.50 based I/O systems are backwards compatible with existing field connections.

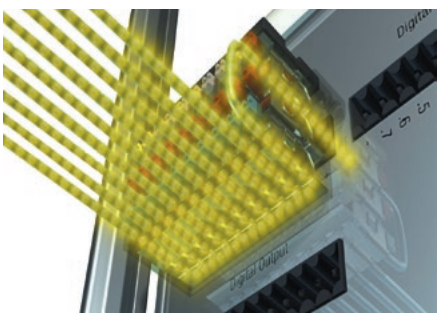
The female plug BL-I/O 3.50 mm pitch is an
- extremely compact,
- 1 or 3 row female plug, suitable for connection of remote sensors and/or actuators
- with integrated LED display
- and integrated cross-connections for potential distribution.

For efficient remote functional units in the field level the female plug BL-I/O 3.50 is a space saving solution to connect I/O components.

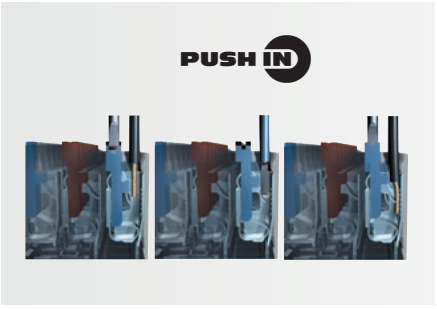
Savings from the female connector BL-I/O are apparent in the development and the manufacturing of the PCB. The layout is simplified by 62 % and fewer layers are required.

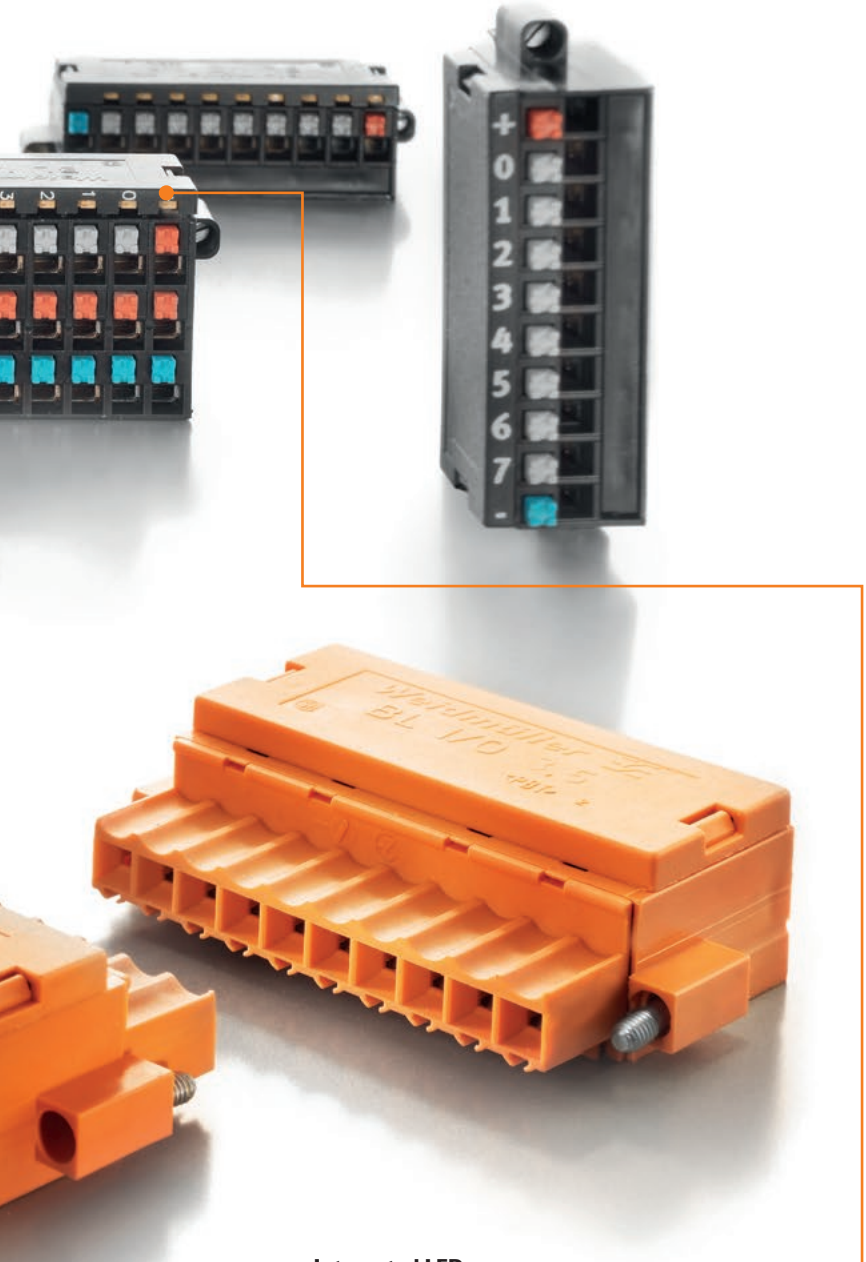


Multiply your potential
Special cross-connectors, that are integrated into the second and third rows of the female plug, distribute the supply voltage to the individual I/O channels. In this way you can input, transfer or bridge the supply voltage. Thus you can save space with the I/O electronics, and you can reduce your wiring overhead.

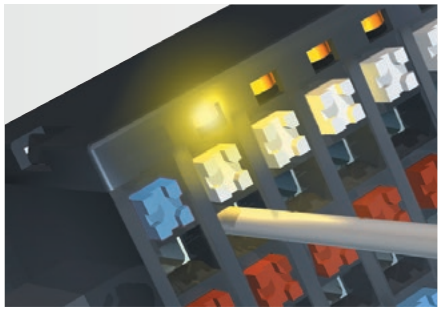


... as simple as that
Simply insert solid or flexible conductors with ferrules. The simple pressing of one button opens the terminal connections and allows you to insert the flexible wire without ferrules in no time at all. Disconnecting the wire is just as easy: press the button and pull out the wire.

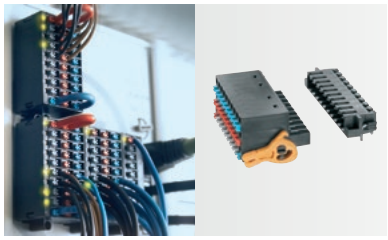




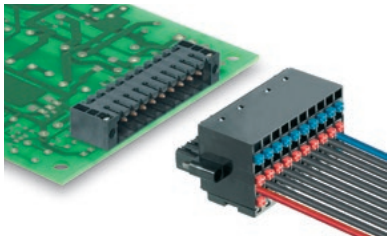
Integrated LEDs
Since power is supplied directly through the female plug BL-I/O 3.50, functional control of the sensor wiring is possible without any additionally connected I/O electronics. That simplifies initial commissioning and also clears up space on the control unit.



Intuitive locking and releasing
The 3 row female plug BL-I/O 3.50/30/180**LR** with lock & release lever to allow tool free interlocking and electronic assembly protecting release with the new male header SL-SMT 3.50/10/../**RF** with clip-on flange



Rugged screw flange
The 3 row female plug BL-I/O 3-5/30/180F with screw flange for vibration and shock resistant interlocking in conjunction with the male header SL-SMT 3.50/10/../LF with solder flange.



Screwless PCB fastening - suitable for automatic assembly
The male header SL-SMT has a clip-on flange for the release latch and is available as solder flange variant for the screw flange. In both variants the extra solder pin replaces the screw that would have to be added later and significantly increases the mechanical stability to the PCB.

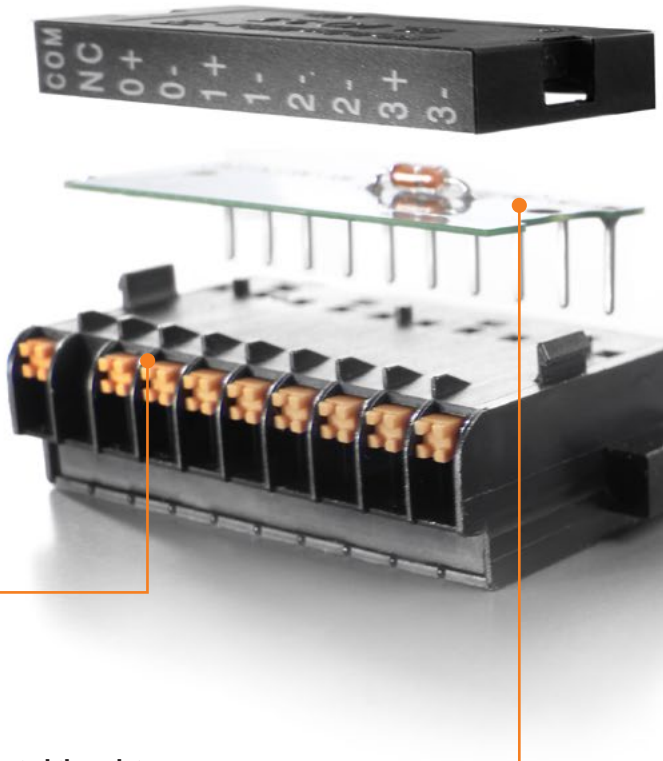


The industrial PUSH IN smart connection

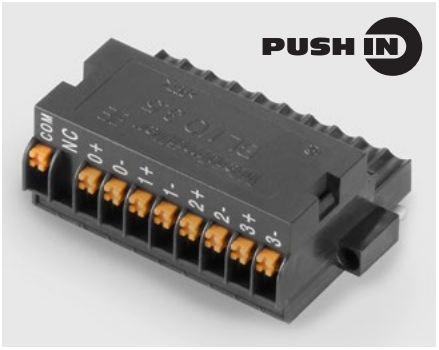
BL I/O 3.5 CJC connectors with integrated cold junction compensation

Many industrial applications demand increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

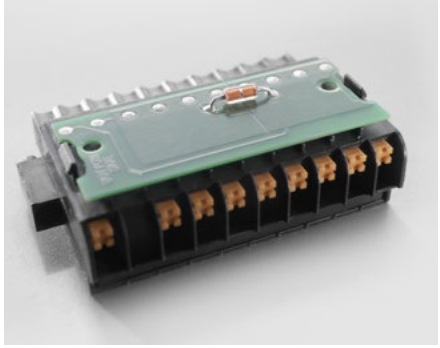
The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20 %.



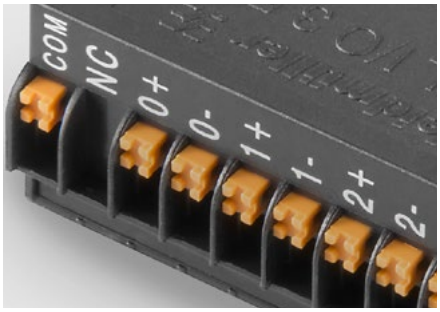
PUSH IN connection up to 1.5 mm²
With the PUSH IN connection technology, the conductor connection becomes tool-free. Solid conductors or flexible conductors with wire end ferrules are easily inserted.

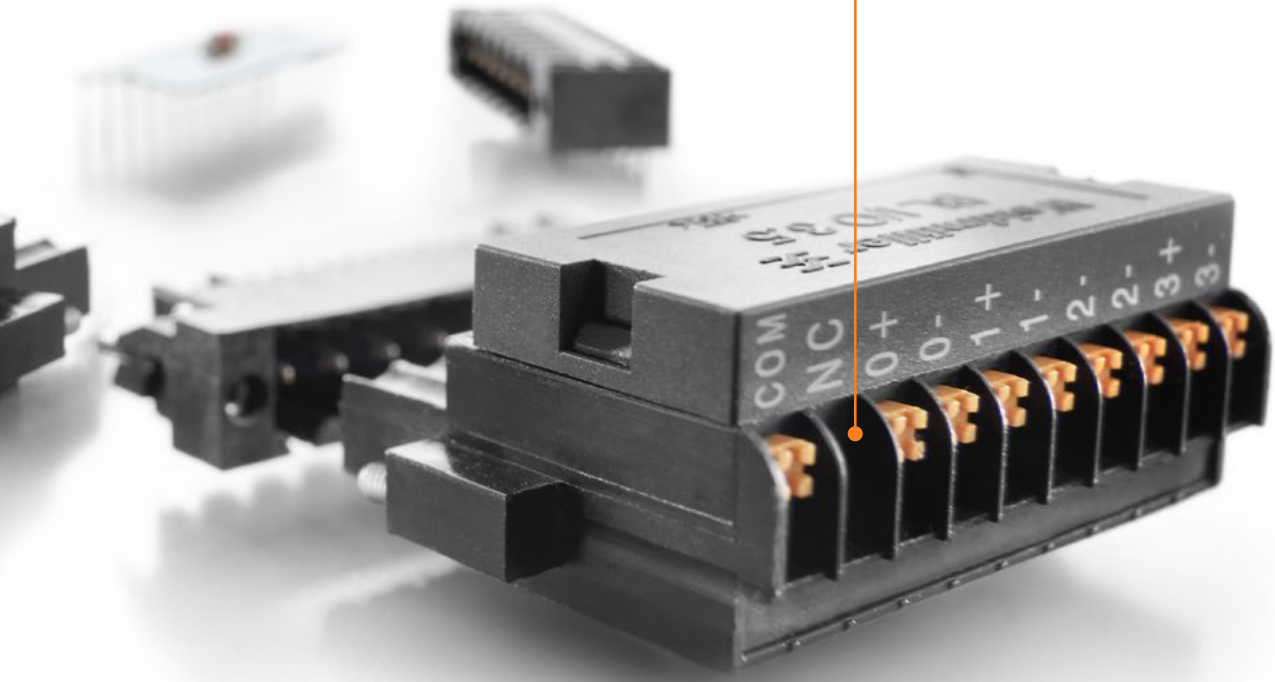


Integrated thermistor
Cold junction compensation by integrated thermistor, to have a higher precision measuring up to 20 %. This helps for an easy devise design



Clear marking
The large marking area supports a distinct and legible marking.



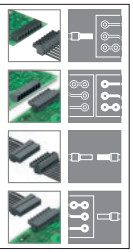


Your special advantages

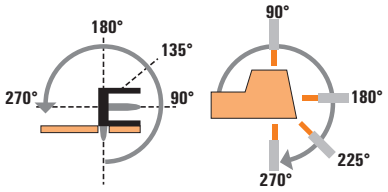
- PUSH IN connector for conductor cross sections up to 1.5 mm²
- Cold junction compensation for the connection of thermocouples
- Up to four measuring connections for thermocouples
- High component density in a compact design
- Clearly visible marking area for labels
- Integrated mounting flanges

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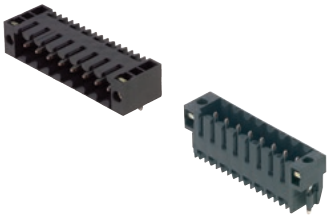
= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



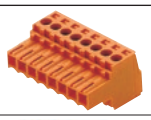
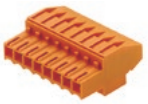
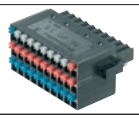
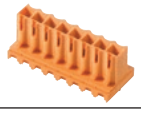
Orientation



Reflow solder connection



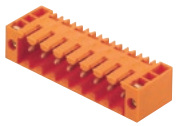
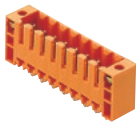
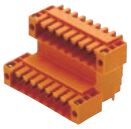
BL/SL 3.50 series

Levels					1	
Type					SL-SMT	SL-SMT
Orientation					90°	180°
Flange options					G/F/LF/RF	G/F/LF
				IEC / UL	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A
Female plug	Clamping yoke		BL	180° (G)/F/LH/LR	IEC: 320 V/17 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 14	○	○
			BL	90° (G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm² UL: 300 V/8 A/AWG 28 - 14	○	○
			BL	270° (G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm² UL: 300 V/8 A/AWG 28 - 14	○	○
	PUSH IN		BLF	180° (G)/F/LH/LR	IEC: 320 V/14.5 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 26 - 14	○	○
	Spring PUSH IN		BL-I/O 10 Pole	180° F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm² UL: ≤ 200 V/5 A/AWG 22 - 16	○	○
			BL-I/O 30 Pole	180° F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm² UL: ≤ 200 V/5 A/AWG 22 - 16	○	○
Female header	Solder con.		BLL	180° (G)	IEC: 320 V/15.1 A UL: 300 V/10 A	●	●

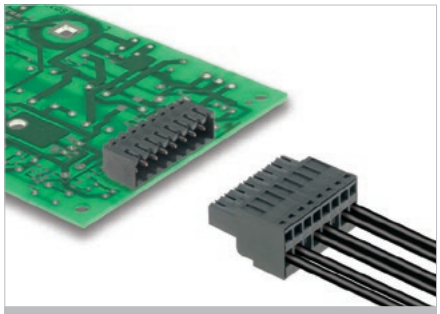
Female plug:
(G)* = Closed (without flange)
F = Screw flange with screw
LH = Release lever
LR = Lock & Release lever
FP = shifted flange

Male header:
(O)* = open
G = Closed (without flange)
F = Flange with nut
LF = Solder flange with nut
RF = Locking flange for LR with solder pin

* not included in the article description

Male header						
	Solder connection					
						
1	1			2		
SL-THR	**SL**	**SL**	**SL**	**SLD**	**SLD V**	**SLD V**
135°	90°	180°	135°	90°	90°	180°
F	(O)/G/F	(O)/G/F	F	G/F	G/F	G/F
IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○	○	○	○
○	○	○	○			
●	●	●	●	●	●	●

SL-SMT 3.50/../90



High-temperature-resistant, angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for SMT processing.
- 3.2 mm older pin suitable for reflow and wave soldering.
- The Male headers provide space for labelling and can be coded.
- Available in closed (G) version and with solder flange (LF).
- Packed either in box (BX) or on tape-on-reel (RL).

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

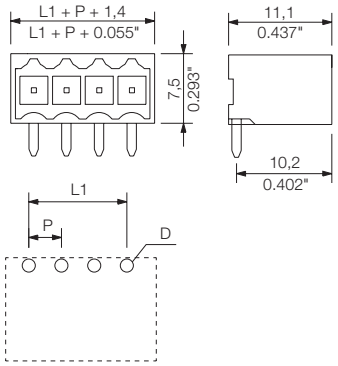
Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 3.50/../90G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
LED light guide		
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/8	1597530000
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 4.0/1.75/8	1597650000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

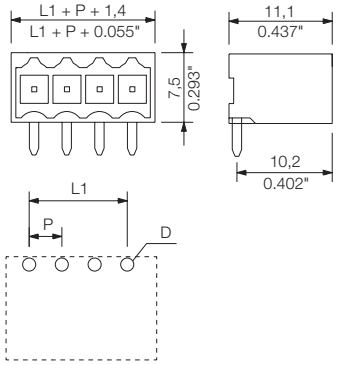
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.50	0.138	100	1841630000
3	7.00	0.276	100	1841640000
4	10.50	0.413	100	1841650000
5	14.00	0.551	50	1841660000
6	17.50	0.689	50	1841670000
7	21.00	0.827	50	1841680000
8	24.50	0.965	50	1841690000
9	28.00	1.102	50	1841700000
10	31.50	1.240	50	1841710000
11	35.00	1.378	50	1841720000
12	38.50	1.516	50	1841730000

SL-SMT 3.50/../90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

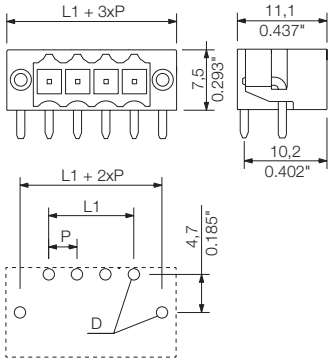
Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	385	1761544002
3	7.00	0.276	385	1761554002
4	10.50	0.413	385	1761564001
5	14.00	0.551	385	1761574002
6	17.50	0.689	385	1761584001
7	21.00	0.827	385	1761594001
8	24.50	0.965	385	1761604001
9	28.00	1.102	385	1761614001
10	31.50	1.240	385	1761624001
11	35.00	1.378	385	1761634001

Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/../90LF Box



Dimensioned drawing



Ordering data

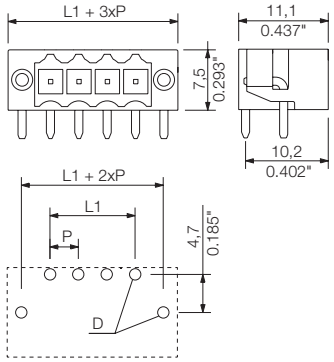
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1841860000
3	7.00	0.276	102	1841870000
4	10.50	0.413	84	1841880000
5	14.00	0.551	72	1841890000
6	17.50	0.689	66	1841900000
7	21.00	0.827	54	1841910000
8	24.50	0.965	48	1841920000
9	28.00	1.102	48	1841930000
10	31.50	1.240	42	1841940000
11	35.00	1.378	36	1841950000
12	38.50	1.516	36	1804340000

SL-SMT 3.50/../90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing

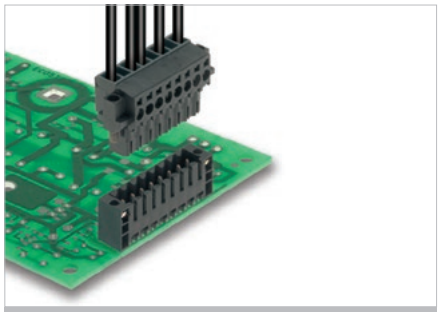


Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	385	1805310000
3	7.00	0.276	385	1805320000
4	10.50	0.413	385	1805330000
5	14.00	0.551	385	1805340000
6	17.50	0.689	385	1805350000
7	21.00	0.827	385	1805360000
8	24.50	0.965	385	1805370000
9	28.00	1.102	385	1805380000
10	31.50	1.240	385	1005180000

Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/../ F & RF



High-temperature-resistant, straight and angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for the SMT processing.
- 3.2 mm solder pin suitable for reflow and wave soldering.
- Available with screw flange (F) and with solder flange for lock and release lever (RF).

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

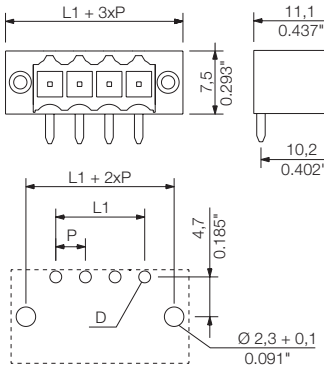
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST 2.2x4.5 C - see Accessories). Cable gland only permitted before soldering.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 3.50/../90F Box

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
LED light guide		
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/8	1597530000
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 4.0/1.75/8	1597650000

Ordering data

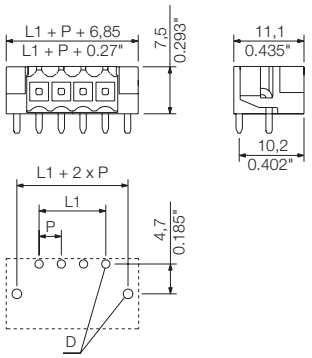
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.50	0.138	132	1842080000
3	7.00	0.276	102	1842090000
4	10.50	0.413	84	1842100000
5	14.00	0.551	72	1842110000
6	17.50	0.689	66	1842120000
7	21.00	0.827	54	1842130000
8	24.50	0.965	48	1842140000
9	28.00	1.102	48	1842150000
10	31.50	1.240	42	1842160000
11	35.00	1.378	36	1842170000
12	38.50	1.516	36	1842180000

SL-SMT 3.50/../90RF Box

with snap-on solder flange



Dimensioned drawing

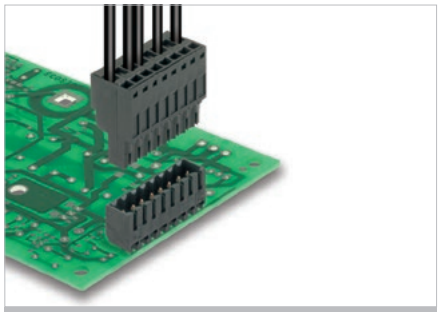


Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1379610000
3	7.00	0.276	100	1060810000
4	10.50	0.413	100	1000600000
5	14.00	0.551	50	1000610000
6	17.50	0.689	50	1000620000
7	21.00	0.827	50	1000630000
8	24.50	0.965	50	1000640000
9	28.00	1.102	50	1000650000
10	31.50	1.240	50	1060780000
11	35.00	1.378	50	1000660000
12	38.50	1.516	50	1000670000

Compatible with release latch (LR)

SL-SMT 3.50/../180



High-temperature-resistant, straight (180°) male header for all common soldering methods in 3.50 mm pitch. Optimised for the SMT process. Packed in box or tape. Pin length 1.5 mm optimised for reflow soldering methods. Pin length 3.2 mm universal for all soldering methods. The male connectors provide space for labelling and can be coded.

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

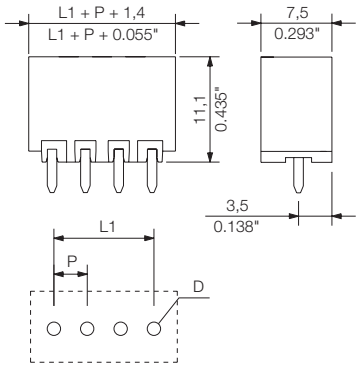
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL SMT 3.50/../180G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

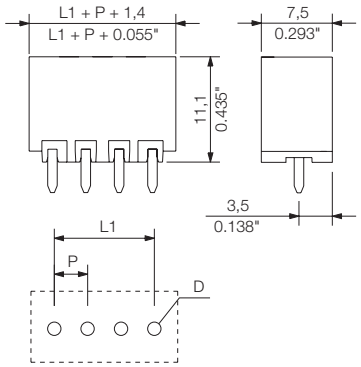
Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.50	0.138	100	1842320000
3	7.00	0.276	100	1842330000
4	10.50	0.413	100	1842340000
5	14.00	0.551	50	1842350000
6	17.50	0.689	50	1842360000
7	21.00	0.827	50	1842370000
8	24.50	0.965	50	1842380000
9	28.00	1.102	50	1842390000
10	31.50	1.240	50	1836990000
11	35.00	1.378	50	1842400000
12	38.50	1.516	50	1842410000

SL SMT 3.50/../180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	265	1752984002
3	7.00	0.276	265	1752994002
4	10.50	0.413	265	1753004002
5	14.00	0.551	265	1753014002
6	17.50	0.689	265	1753024001
7	21.00	0.827	265	1753034001
8	24.50	0.965	265	1753044001
9	28.00	1.102	265	1753054001
10	31.50	1.240	265	1753064001
11	35.00	1.378	265	1753074001

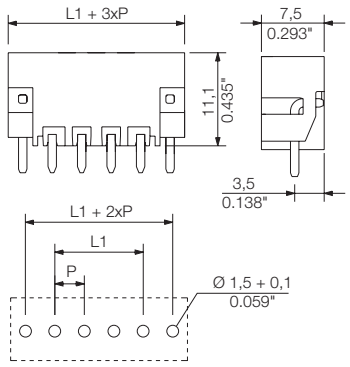
Tape widths: 32, 44, 56, 72, 88

SL SMT 3.50/../180LF Box

with solder flange



Dimensioned drawing



Ordering data

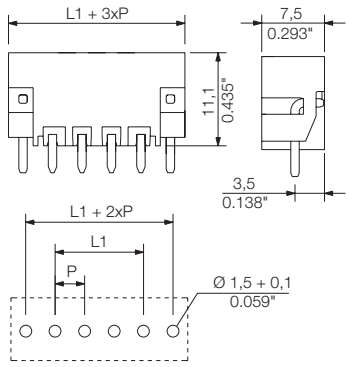
Solder pin length				3.2 mm
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1842540000
3	7.00	0.276	102	1842550000
4	10.50	0.413	84	1842560000
5	14.00	0.551	72	1842570000
6	17.50	0.689	66	1842580000
7	21.00	0.827	54	1842590000
8	24.50	0.965	48	1842600000
9	28.00	1.102	48	1842610000
10	31.50	1.240	42	1842620000
11	35.00	1.378	36	1842630000
12	38.50	1.516	36	1842640000

SL SMT 3.50/../180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing

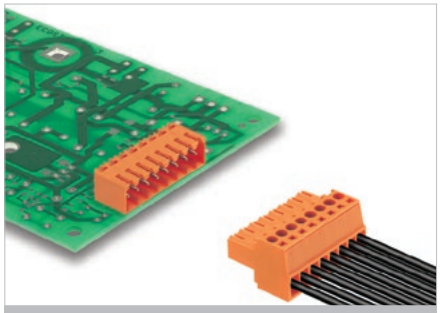


Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	265	1805210000
3	7.00	0.276	265	1805230000
4	10.50	0.413	265	1805240000
5	14.00	0.551	265	1805250000
6	17.50	0.689	265	1805270000
7	21.00	0.827	265	1805280000
8	24.50	0.965	265	1805290000
9	28.00	1.102	265	1805300000
10	31.50	1.240	265	1936340000

Tape widths: 32, 44, 56, 72, 88

SL 3.50/../90



Angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A
UL: 300 V / 10 A

72h

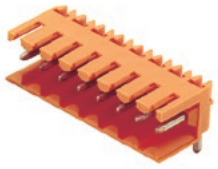
For additional articles and information, refer to eshop.weidmueller.com

Note:

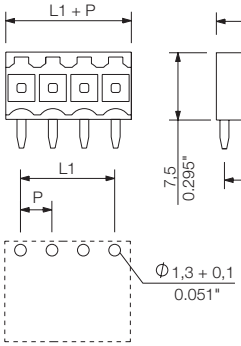
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 3.50/../90

open side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17**		**14.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

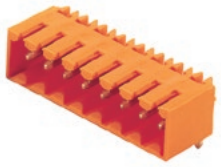
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
LED light guide		
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/8	1597530000
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 4.0/1.75/8	1597650000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

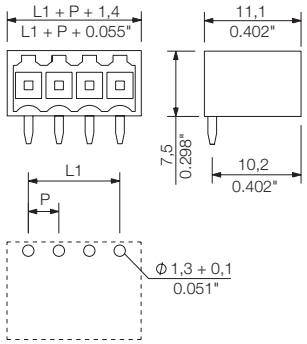
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.50	0.138	100	1597210000
3	7.00	0.276	100	1597220000
4	10.50	0.413	100	1597230000
5	14.00	0.551	50	1597240000
6	17.50	0.689	50	1597250000
7	21.00	0.827	50	1597260000
8	24.50	0.965	50	1597270000
9	28.00	1.102	50	1597280000
10	31.50	1.240	50	1597290000
11	35.00	1.378	50	1597300000
12	38.50	1.516	50	1597310000

SL 3.50/../90G

closed side



Dimensioned drawing

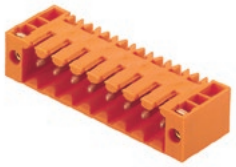


Ordering data

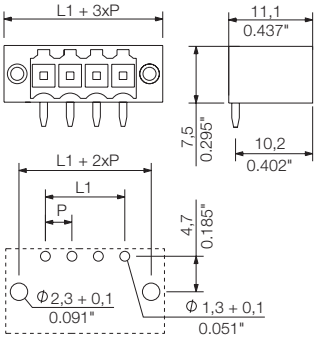
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1605070000
3	7.00	0.276	100	1605080000
4	10.50	0.413	100	1605090000
5	14.00	0.551	50	1605100000
6	17.50	0.689	50	1605110000
7	21.00	0.827	50	1605120000
8	24.50	0.965	50	1605130000
9	28.00	1.102	50	1605140000
10	31.50	1.240	50	1605150000
11	35.00	1.378	50	1605160000
12	38.50	1.516	50	1605170000

SL 3.50/../90F

with screw flange



Dimensioned drawing

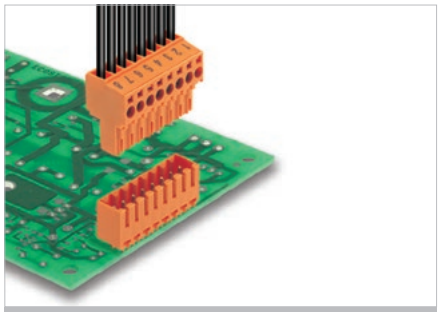


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1607040000
3	7.00	0.276	100	1607050000
4	10.50	0.413	100	1607060000
5	14.00	0.551	50	1607070000
6	17.50	0.689	50	1607080000
7	21.00	0.827	50	1607090000
8	24.50	0.965	50	1607100000
9	28.00	1.102	50	1607110000
10	31.50	1.240	50	1607120000
11	35.00	1.378	50	1607130000
12	38.50	1.516	50	1607140000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL 3.50/../180



Straight male header (180° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A
UL: 300 V / 10 A

72h

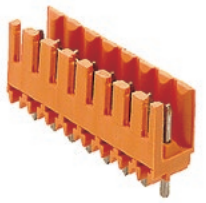
For additional articles and information, refer to eshop.weidmueller.com

Note:

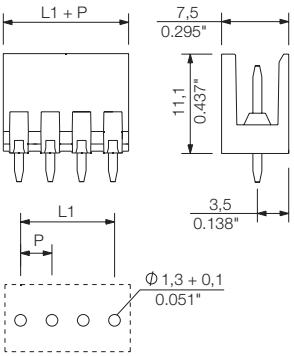
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 3.50/../180

open side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17**		**14.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

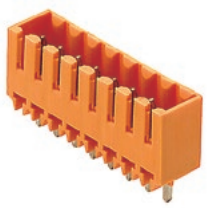
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

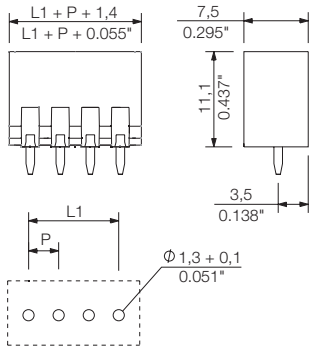
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604770000
3	7.00	0.276	100	1604780000
4	10.50	0.413	100	1604790000
5	14.00	0.551	50	1604800000
6	17.50	0.689	50	1604810000
7	21.00	0.827	50	1604820000
8	24.50	0.965	50	1604830000
9	28.00	1.102	50	1604840000
10	31.50	1.240	50	1604850000
11	35.00	1.378	50	1604860000
12	38.50	1.516	50	1604870000

SL 3.50/../180G

closed side



Dimensioned drawing

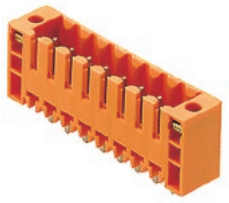


Ordering data

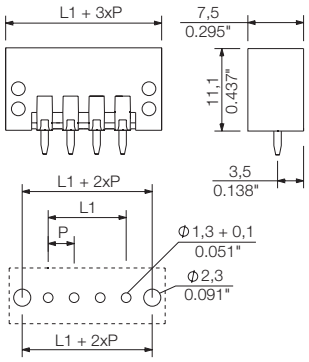
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604470000
3	7.00	0.276	100	1604480000
4	10.50	0.413	100	1604490000
5	14.00	0.551	50	1604500000
6	17.50	0.689	50	1604510000
7	21.00	0.827	50	1604520000
8	24.50	0.965	50	1604530000
9	28.00	1.102	50	1604540000
10	31.50	1.240	50	1604550000
11	35.00	1.378	50	1604560000
12	38.50	1.516	50	1604570000

SL 3.50/../180F

with screw flange



Dimensioned drawing

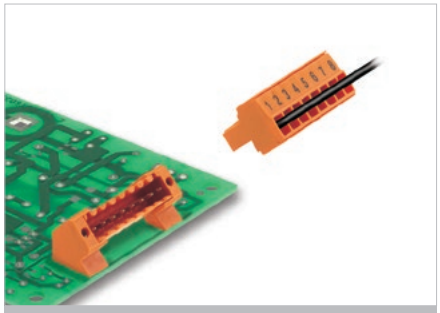


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1607500000
3	7.00	0.276	100	1607510000
4	10.50	0.413	100	1607520000
5	14.00	0.551	50	1607530000
6	17.50	0.689	50	1607540000
7	21.00	0.827	50	1607550000
8	24.50	0.965	50	1607560000
9	28.00	1.102	50	1607570000
10	31.50	1.240	50	1607580000
11	35.00	1.378	50	1607590000
12	38.50	1.516	50	1607600000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL 3.50/../135



Angled male header (135° orientation) for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A

72h

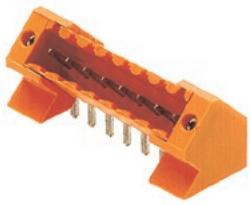
For additional articles and information, refer to eshop.weidmueller.com

Note:

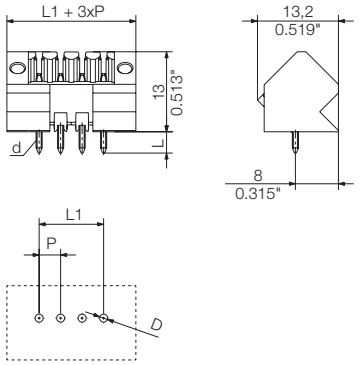
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST 2.2x4.5 C – see Accessories). Cable gland only permitted before soldering.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 3.50/../135F

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

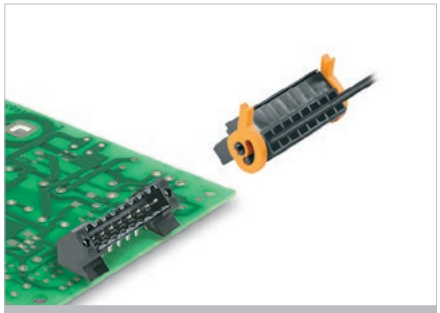
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.50	0.138	132	1643330000
3	7.00	0.276	102	1643340000
4	10.50	0.413	84	1643350000
5	14.00	0.551	72	1643360000
6	17.50	0.689	66	1643370000
7	21.00	0.827	54	1643380000
8	24.50	0.965	48	1643390000
9	28.00	1.102	48	1643400000
10	31.50	1.240	42	1643410000
11	35.00	1.378	36	1643420000
12	38.50	1.516	36	1643430000

SL-THR 3.50/../135



High-temperature-resistant, 135° angled, male header for all common soldering methods in 3.5 mm pitch. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

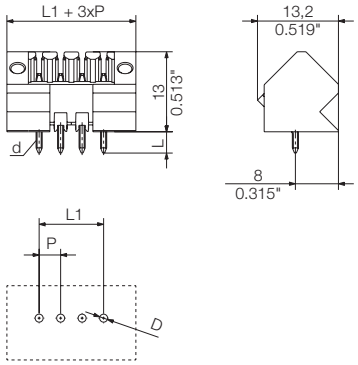
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-THR 3.50/../135F

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

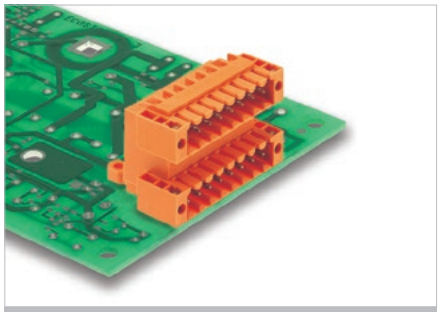
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.50	0.138	132	1003510000
3	7.00	0.276	102	1003520000
4	10.50	0.413	84	1003530000
5	14.00	0.551	72	1003540000
6	17.50	0.689	66	1003550000
7	21.00	0.827	54	1003560000
8	24.50	0.965	48	1003570000
9	28.00	1.102	48	1003580000
10	31.50	1.240	42	1003590000
11	35.00	1.378	36	1003600000
12	38.50	1.516	36	1003620000

SLD 3.50/../90



Double-level, angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A
UL: 300 V / 8 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

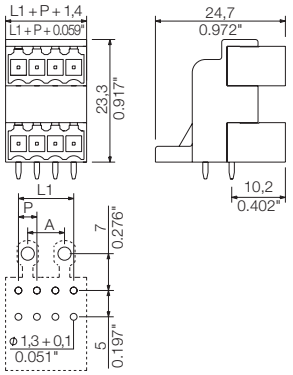
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**10.5**		**9**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**125**	**160**	**200**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**8**		**8**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

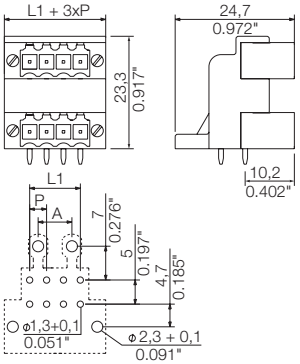
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.50	0.138	50	1633580000
6	7.00	0.276	50	1633590000
8	10.50	0.413	50	1633600000
10	14.00	0.551	50	1633610000
12	17.50	0.689	50	1633620000
14	21.00	0.827	20	1633630000
16	24.50	0.965	20	1633640000
18	28.00	1.102	20	1633650000
20	31.50	1.240	20	1633660000
22	35.00	1.378	10	1633670000
24	38.50	1.516	10	1633680000

SLD 3.50/../90F

with screw flange



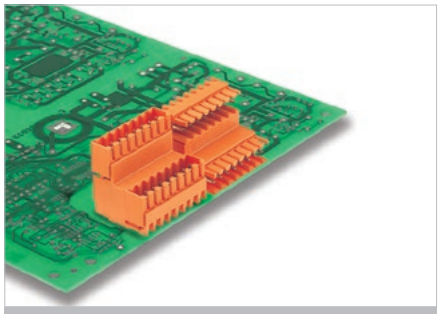
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1633810000
6	7.00	0.276	50	1633820000
8	10.50	0.413	50	1633830000
10	14.00	0.551	50	1633840000
12	17.50	0.689	50	1633850000
14	21.00	0.827	20	1633860000
16	24.50	0.965	20	1633870000
18	28.00	1.102	20	1633880000
20	31.50	1.240	20	1633890000
22	35.00	1.378	10	1633900000
24	38.50	1.516	10	1633910000

SLD 3.50V/../90



Double-level, staggered male header with angled 90° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A
UL: 300 V / 8 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

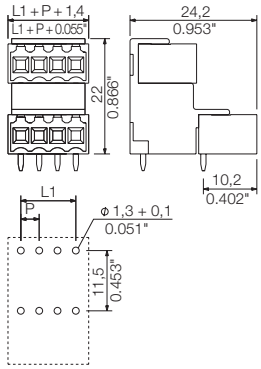
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50V/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**10.5**		**9**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**125**	**160**	**200**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**8**		**8**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

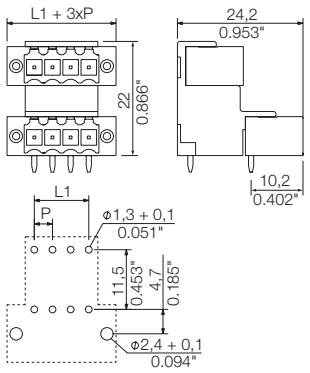
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.50	0.138	50	1642240000
6	7.00	0.276	50	1890600000
8	10.50	0.413	50	1642250000
10	14.00	0.551	50	1866770000
12	17.50	0.689	50	1642260000
14	21.00	0.827	20	1890610000
16	24.50	0.965	20	1642270000
18	28.00	1.102	20	1890620000
20	31.50	1.240	20	1642280000
22	35.00	1.378	10	1669650000
24	38.50	1.516	10	1642290000

SLD 3.50V/../90F

with screw flange



Dimensioned drawing

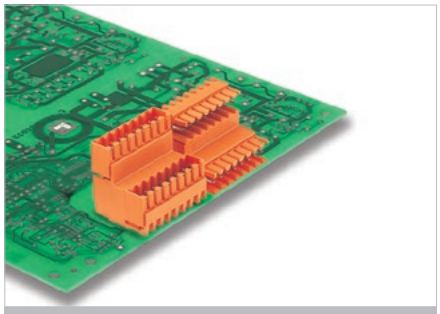


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	**1642370000**
6	7.00	0.276	50	**1890790000**
8	10.50	0.413	50	**1642380000**
10	14.00	0.551	50	**1890800000**
12	17.50	0.689	50	**1642390000**
14	21.00	0.827	20	**1890810000**
16	24.50	0.965	20	**1642400000**
18	28.00	1.102	20	**1890820000**
20	31.50	1.240	20	**1642410000**
22	35.00	1.378	10	**1669660000**
24	38.50	1.516	10	**1642420000**

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SLD 3.50V/../180



Double-level, staggered male header with straight 180° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A
UL: 300 V / 8 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

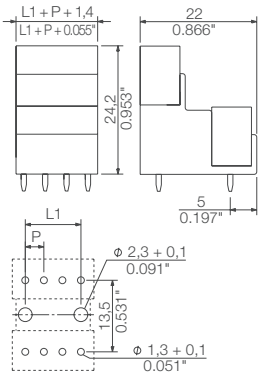
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50V/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**10.5**		**9**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**125**	**160**	**200**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**8**		**8**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

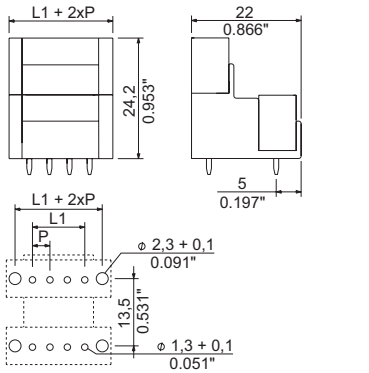
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	3.50	0.138	50	1641110000
6	7.00	0.276	50	1891190000
8	10.50	0.413	50	1641120000
10	14.00	0.551	50	1891200000
12	17.50	0.689	50	1641130000
16	24.50	0.965	20	1641140000
20	31.50	1.240	20	1641150000
24	38.50	1.516	10	1641160000

SLD 3.50V/../180F

with screw flange



Dimensioned drawing

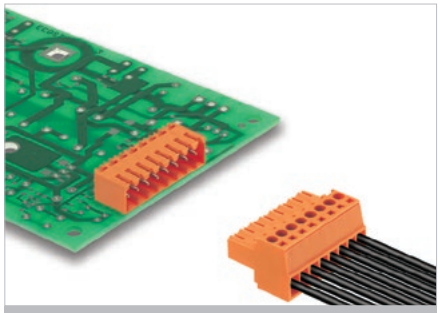


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	**1641240000**
6	7.00	0.276	50	**1891060000**
8	10.50	0.413	50	**1641250000**
10	14.00	0.551	50	**1891070000**
12	17.50	0.689	50	**1641260000**
14	21.00	0.827	20	**1891080000**
16	24.50	0.965	20	**1641270000**
18	28.00	1.102	20	**1891090000**
20	31.50	1.240	20	**1641280000**
22	35.00	1.378	20	**1891100000**
24	38.50	1.516	10	**1641290000**

Connectors in 3.50 mm pitch
Series BL/SL 3.50

BL 3.50/../180



Female plug with clamping-yoke screw system for connecting wires with straight outlet direction in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 17 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

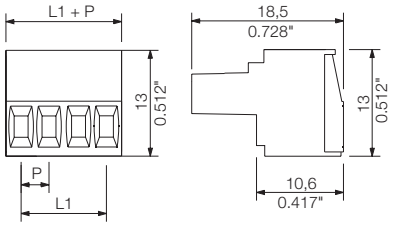
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL 3.50/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17**		**14.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		1.5	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		**28-14**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		28-14	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Hood		
	BL 3.50 AH03 BK BX	1745580000
	BL 3.50 AH04 BK BX	1745590000
	BL 3.50 AH05 BK BX	1745600000
	BL 3.50 AH06 BK BX	1745610000
	BL 3.50 AH07 BK BX	1745620000
	BL 3.50 AH08 BK BX	1745630000
	BL 3.50 AH09 BK BX	1745640000
	BL 3.50 AH10 BK BX	1745650000
	BL 3.50 AH11 BK BX	1745660000
	BL 3.50 AH12 BK BX	1745670000
	BL 3.50 AH13 BK BX	1745680000
	BL 3.50 AH14 BK BX	1745690000
	BL 3.50 AH15 BK BX	1745700000
	BL 3.50 AH16 BK BX	1745710000
Strain relief		
	BL 3.50 ZE03 OR BX	1629680000
	BL 3.50 ZE03 BK BX	1627820000
	BL 3.50 ZE08 OR BX	1629690000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

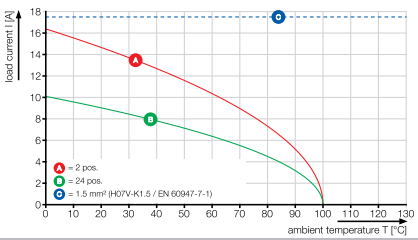
Colour orange

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	264	1597360000
3	7.00	0.276	174	1597370000
4	10.50	0.413	132	1597380000
5	14.00	0.551	102	1597390000
6	17.50	0.689	84	1597400000
7	21.00	0.827	72	1597410000
8	24.50	0.965	66	1597420000
9	28.00	1.102	54	1597430000
10	31.50	1.240	48	1597440000
11	35.00	1.378	48	1597450000
12	38.50	1.516	42	1597460000

Representative deratings curve

BL 3.50/../180 - SL-SMT 3.50/../90

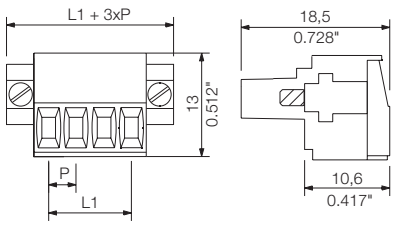


BL 3.50/../180F

with screw flange



Dimensioned drawing



Ordering data

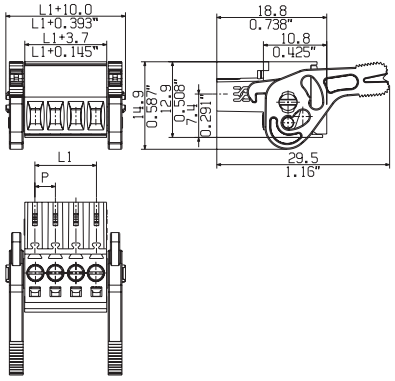
Solder pin length				
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1606640000
3	7.00	0.276	102	1606650000
4	10.50	0.413	84	1606660000
5	14.00	0.551	72	1606670000
6	17.50	0.689	66	1606680000
7	21.00	0.827	54	1606690000
8	24.50	0.965	48	1606700000
9	28.00	1.102	48	1606710000
10	31.50	1.240	42	1606720000
11	35.00	1.378	36	1606730000
12	38.50	1.516	36	1606740000

BL 3.50/../180LR

with release latch



Dimensioned drawing

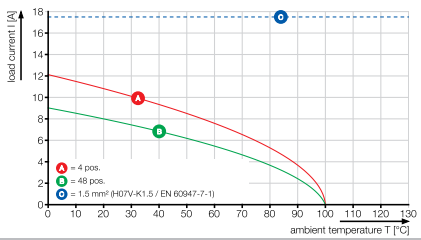


Ordering data

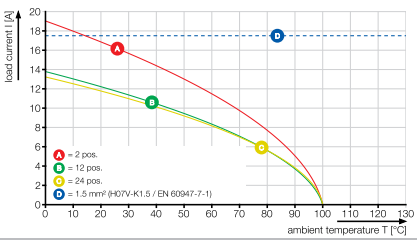
Solder pin length				
Colour				orange
Pitch	**3.50 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1530990000
3	7.00	0.276	102	1531000000
4	10.50	0.413	84	1531010000
5	14.00	0.551	72	1531020000
6	17.50	0.689	66	1531030000
7	21.00	0.827	54	1531040000
8	24.50	0.965	48	1531050000
9	28.00	1.102	48	1531070000
10	31.50	1.240	42	1531080000
11	35.00	1.378	36	1531090000
12	38.50	1.516	36	1531100000

Additional deratings curves

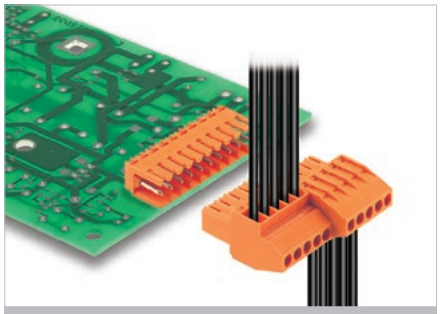
BL 3.50/../180 - SLD 3.50/../90



BL 3.50/../180 - SL 3.50/../90



BL 3.50/../90 & 270



Female plug with clamping-yoke screw system for connecting wires with 90° and 270° angled orientation in 3.5 mm pitch. The female plugs are also available with a screw flange (F). They include space for labelling and can be coded.

Product data

IEC: 320 V / 12 A / 0.2 - 1.5 mm²
UL: 300 V / 8 A / AWG 28 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

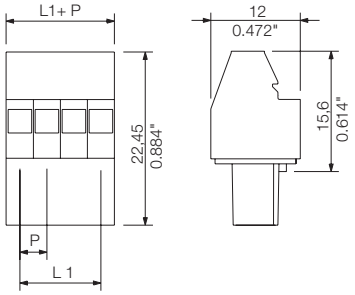
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Max. outer diameter of the conductor: 2.9 mm
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL 3.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**12**		**10**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**8**		**8**
AWG conductor	**AWG**	**28-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	28-14		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

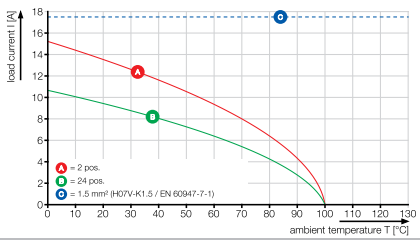
Colour orange

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	258	1638550000
3	7.00	0.276	174	1638560000
4	10.50	0.413	132	1638570000
5	14.00	0.551	102	1638580000
6	17.50	0.689	84	1638590000
7	21.00	0.827	72	1638600000
8	24.50	0.965	66	1638610000
9	28.00	1.102	54	1638620000
10	31.50	1.240	48	1638630000
11	35.00	1.378	48	1638640000
12	38.50	1.516	42	1638650000

Representative deratings curve

BL 3.50/../90 & /270 - SL 3.50/../90

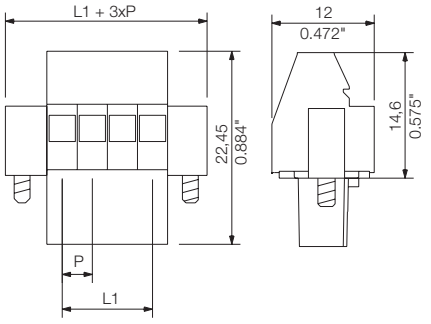


BL 3.50/../90F

with screw flange



Dimensioned drawing



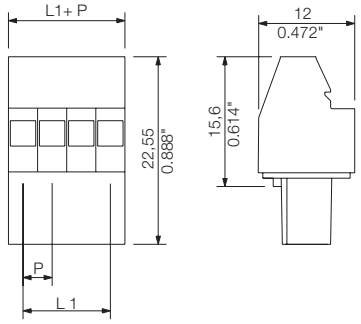
Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1639010000
3	7.00	0.276	108	1639020000
4	10.50	0.413	90	1639030000
5	14.00	0.551	72	1639040000
6	17.50	0.689	66	1639050000
7	21.00	0.827	60	1639060000
8	24.50	0.965	54	1639070000
9	28.00	1.102	48	1639080000
10	31.50	1.240	42	1639090000
11	35.00	1.378	36	1639100000
12	38.50	1.516	36	1639110000

BL 3.50/../270



Dimensioned drawing



Ordering data

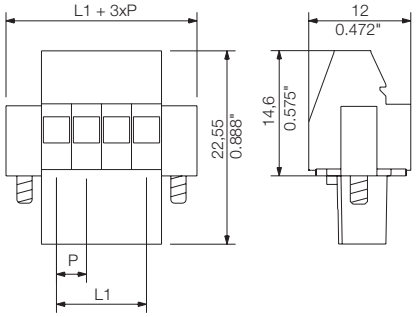
Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	258	1639470000
3	7.00	0.276	174	1639480000
4	10.50	0.413	132	1639490000
5	14.00	0.551	102	1639500000
6	17.50	0.689	84	1639510000
7	21.00	0.827	72	1639520000
8	24.50	0.965	66	1639530000
9	28.00	1.102	54	1639540000
10	31.50	1.240	48	1639550000
11	35.00	1.378	48	1639560000
12	38.50	1.516	42	1639570000

BL 3.50/../270F

with screw flange



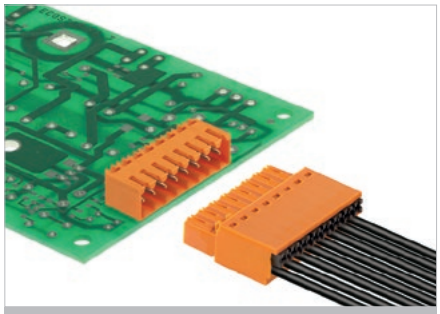
Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1639930000
3	7.00	0.276	108	1639940000
4	10.50	0.413	90	1639950000
5	14.00	0.551	72	1639960000
6	17.50	0.689	66	1639970000
7	21.00	0.827	60	1639980000
8	24.50	0.965	54	1639990000
9	28.00	1.102	48	1640000000
10	31.50	1.240	42	1640010000
11	35.00	1.378	36	1640020000
12	38.50	1.516	36	1640030000

BLF 3.50/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready
- The actuator must be used when connecting stranded wires without ferrules
- Intuitive handling – since the wire-entry area and handling area are clearly separated
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

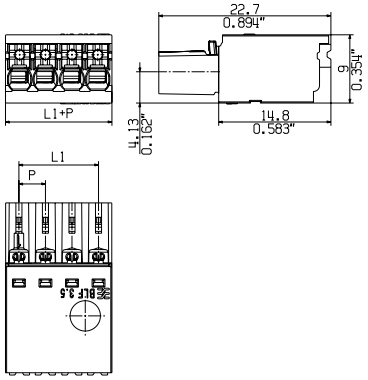
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 3.50/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.14...1.5		
Solid core H05(07) V-U	**mm²**	**0.14...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.14...1.5		
Flexible with ferrule	mm²	0.25...1		
Ferrule with plastic collar	mm²	0.28...1		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264-A		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.1**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**50**	**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**26-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	10		10
AWG conductor	AWG	16-26		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length

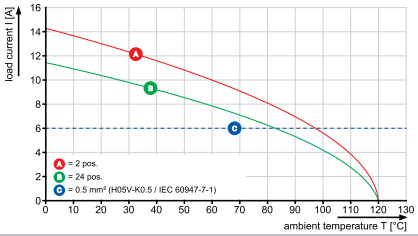
Colour orange

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	264	2458950000
3	7.00	0.276	174	2459060000
4	10.50	0.413	132	2459070000
5	14.00	0.551	102	2459080000
6	17.50	0.689	84	2459090000
7	21.00	0.827	72	2459100000
8	24.50	0.965	66	2459110000
9	28.00	1.102	54	2459120000
10	31.50	1.240	48	2459130000
11	35.00	1.378	48	2459140000
12	38.50	1.516	42	2459150000
16	52.50	2.067	30	2459190000
17	56.00	2.205	30	2459200000
18	59.50	2.343	24	2459210000
19	63.00	2.480	24	2459220000
20	66.50	2.618	24	2459230000
21	70.00	2.756	24	2459240000
22	73.50	2.894	24	2459250000
23	77.00	3.031	18	2459260000
24	80.50	3.169	18	2459270000

Representative deratings curve

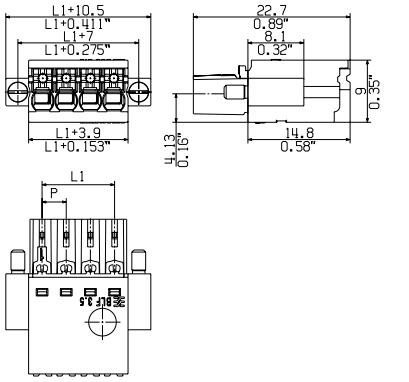
BLF 3.50/../180 - SL-SMT 3.50/../180



BLF 3.50/../180F



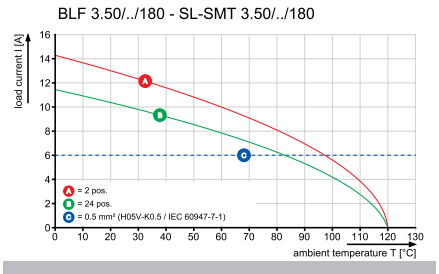
Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	2459390000
3	7.00	0.276	102	2459400000
4	10.50	0.413	84	2459410000
5	14.00	0.551	72	2459420000
6	17.50	0.689	66	2459430000
7	21.00	0.827	54	2459440000
8	24.50	0.965	48	2459450000
9	28.00	1.102	48	2459460000
10	31.50	1.240	42	2459470000
11	35.00	1.378	36	2459480000
12	38.50	1.516	36	2459490000

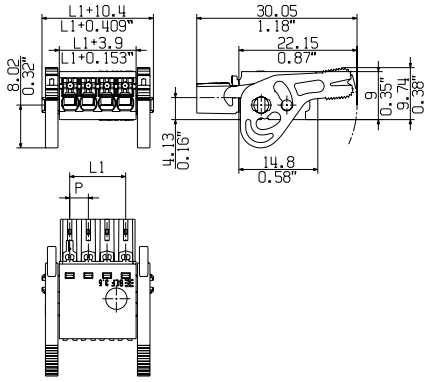
Additional deratings curves



BLF 3.50/../180LR



Dimensioned drawing



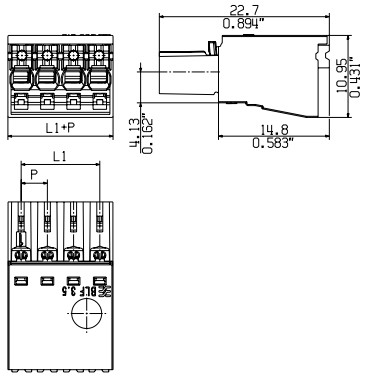
Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	2459680000
3	7.00	0.276	102	2459690000
4	10.50	0.413	84	2459700000
5	14.00	0.551	72	2459710000
6	17.50	0.689	66	2459720000
7	21.00	0.827	54	2459730000
8	24.50	0.965	48	2459740000
9	28.00	1.102	48	2459750000
10	31.50	1.240	42	2459760000
11	35.00	1.378	36	2459770000
12	38.50	1.516	36	2459780000

BLF 3.50/../180QV



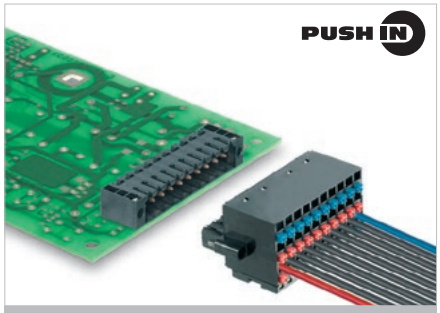
Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	264	2460150000
4	10.50	0.413	132	2460240000

BL-I/O 3.5/../180



Female plug provides pluggable connection level for decentralized I/O electronics. It is used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock and release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

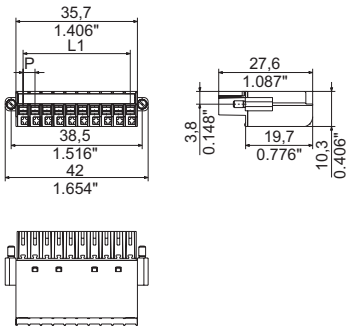
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL-I/O 3.50/10/180F

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1		
Ferrule with plastic collar	mm²	0.2...0.75		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**2.2**		**2.2**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**50**	**160**	**200**
Rated impulse voltage	V	0.8	2.5	2500
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**50**		**50**
Rated current	**A**	**5**		**5**
AWG conductor	**AWG**		**24-16**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	50		50
Rated current	A	5		5
AWG conductor	AWG		22-16	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

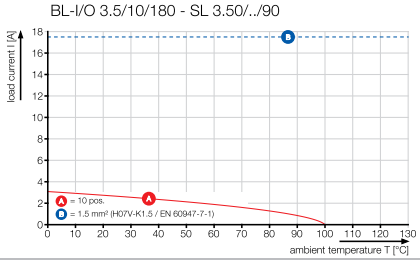
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length				Light Grey	black
Colour					
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1871690000	1779880000

Representative deratings curve

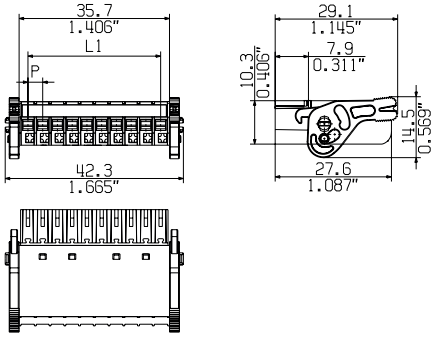


BL-I/O 3.50/10/180LR

with release latch



Dimensioned drawing

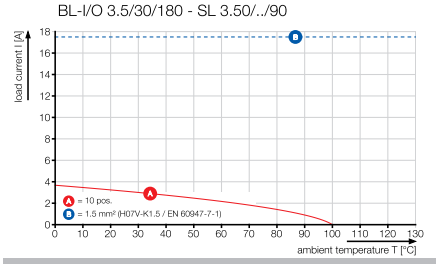


Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1531180000

Compatible with SL-SMT 3.50/../90RF

Additional deratings curves

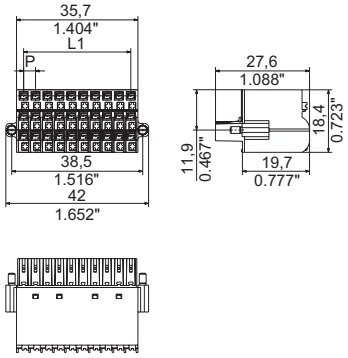


BL-I/O 3.50/30/180F

with screw flange



Dimensioned drawing



Ordering data

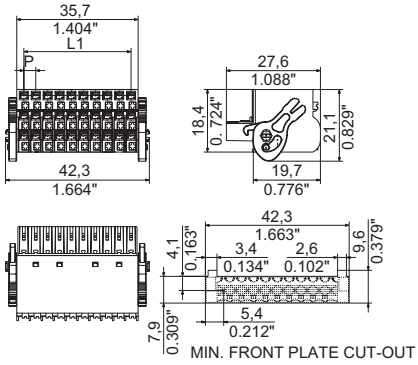
Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1779920000

BL-I/O 3.50/30/180LR

with release latch



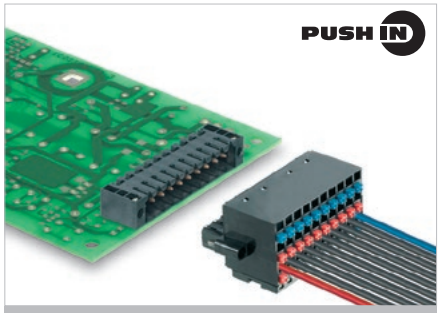
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000550000

BL-I/O 3.50/../180 PNP LED



Female plug provides pluggable connection level with common minus (PNP sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

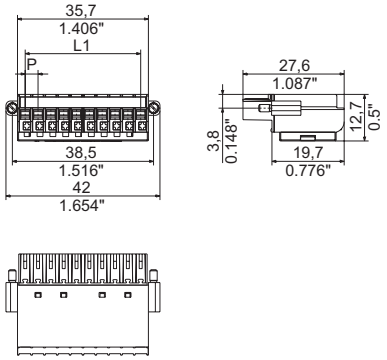
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL-I/O 3.50/10/180F PNP LED

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1		
Ferrule with plastic collar	mm²	0.2...0.75		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**2.2**		**2.2**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**50**	**160**	**200**
Rated impulse voltage	V	0.8	2.5	2500
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**50**		**50**
Rated current	**A**	**5**		**5**
AWG conductor	**AWG**		**24-16**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	50		50
Rated current	A	5		5
AWG conductor	AWG		22-16	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

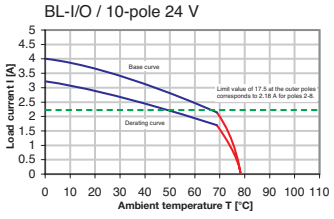
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length					
Colour				Light Grey	black
Pitch	**3.50 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1965940000	1789090000

LED series resistors designed for 24 V

Representative deratings curve



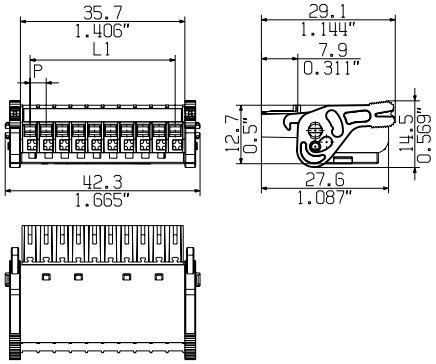
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR PNP LED

with release latch



Dimensioned drawing

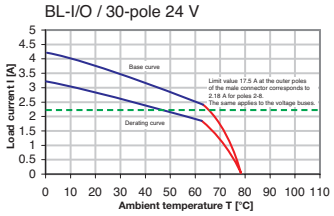


Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1531190000

LED series resistors configured for 24V; compatible with SL-SMT 3:50 /../ 90RF

Additional deratings curves

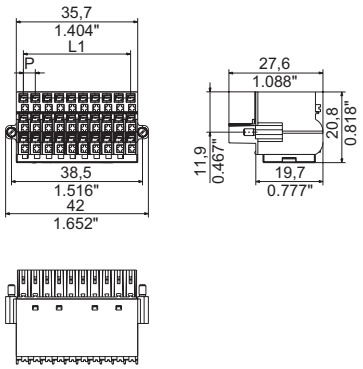


BL-I/O 3.50/30/180F PNP LED

with screw flange



Dimensioned drawing



Ordering data

Solder pin length					
Colour				Light Grey	black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
30	31.50	1.240	20	1965970000	1789110000

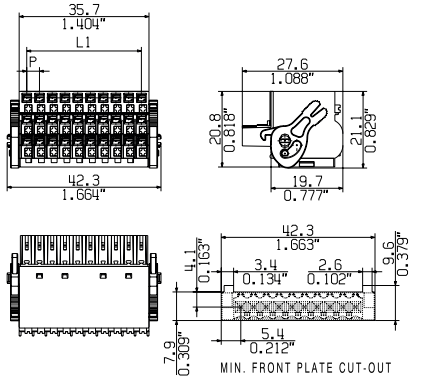
LED series resistors designed for 24 V

BL-I/O 3.50/30/180LR PNP LED

with release latch



Dimensioned drawing

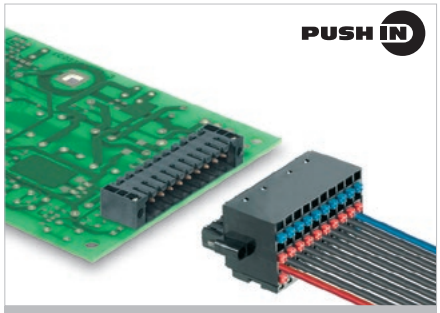


Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000570000

LED series resistors designed for 24 V

BL-I/O 3.50/../180 NPN LED



Female plug provides pluggable connection level with common positive (NPN sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

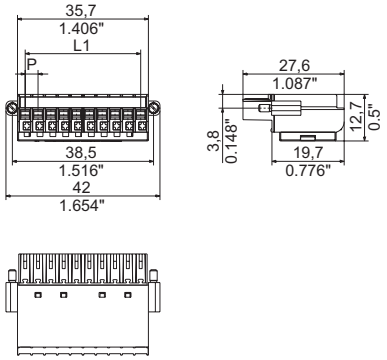
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL-I/O 3.50/10/180F NPN LED

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1		
Ferrule with plastic collar	mm²	0.2...0.75		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**2.2**		**2.2**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**50**	**160**	**200**
Rated impulse voltage	V	0.8	2.5	2500
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**50**		**50**
Rated current	**A**	**5**		**5**
AWG conductor	**AWG**		**24-16**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	50		50
Rated current	A	5		5
AWG conductor	AWG		22-16	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length

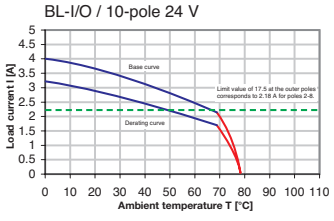
Colour **black**

Pitch **3.50 mm**

Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1938010000

LED series resistors designed for 24 V

Representative deratings curve



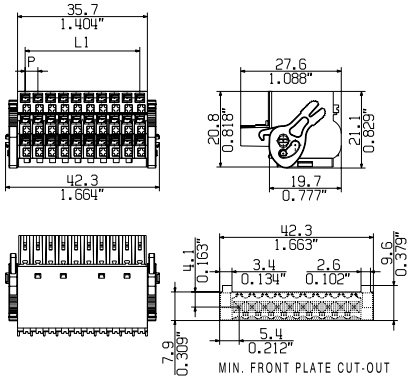
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR NPN LED

with release latch



Dimensioned drawing

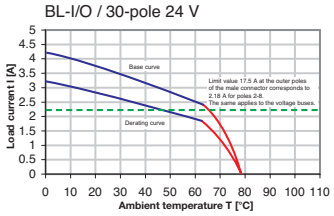


Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1531200000

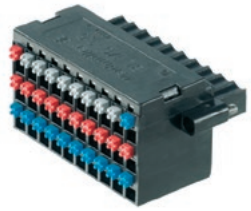
LED series resistors configured for 24V; compatible with SL-SMT 3:50 /../ 90RF

Additional deratings curves

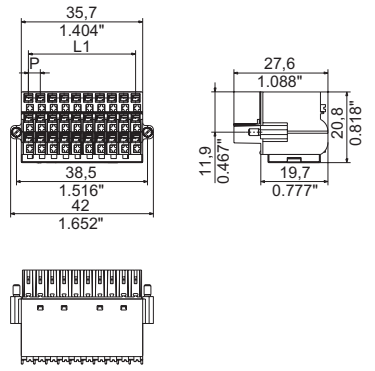


BL-I/O 3.50/30/180F NPN LED

with screw flange



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1938020000

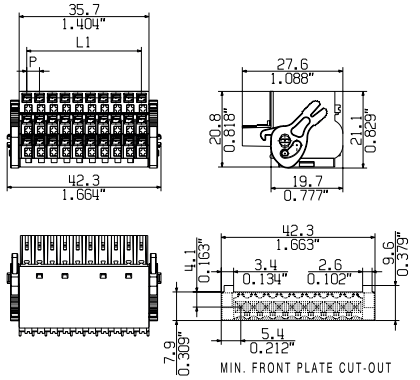
LED series resistors designed for 24 V

BL-I/O 3.50/30/180LR NPN LED

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000590000

LED series resistors designed for 24 V

BL I/O 3.50/../180 CJC



Many industrial applications demand an increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20%.

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

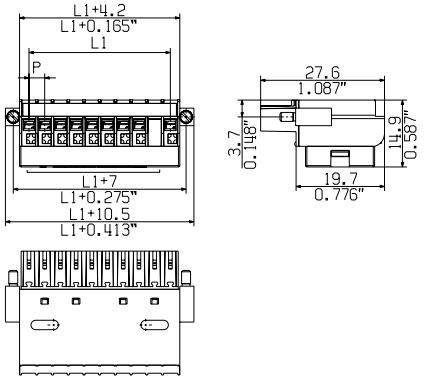
Note:

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL I/O 3.5 CJC



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1		
Ferrule with plastic collar	mm²	0.2...0.75		
Stripping length	mm	8		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**2.2**		**2.2**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**50**	**160**	**200**
Rated impulse voltage	V	0.8	2.5	2500
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**50**		**50**
Rated current	**A**	**5**		**5**
AWG conductor	**AWG**	**24-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	50		50
Rated current	A	5		5
AWG conductor	AWG	22-16		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		Au (Gold)		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length				
Colour				black
Pitch	**3.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
10	31.50	1.240	20	**2471390000**

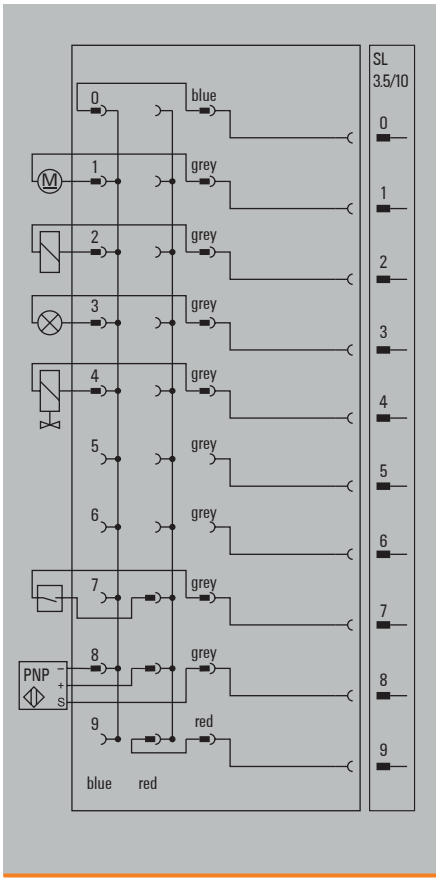
BL-I/O 3.50/../180

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

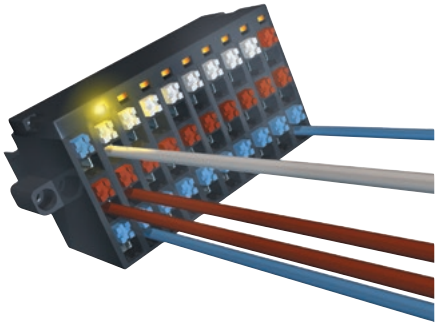
- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



BL-I/O 3.50/../180 PNP LED

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

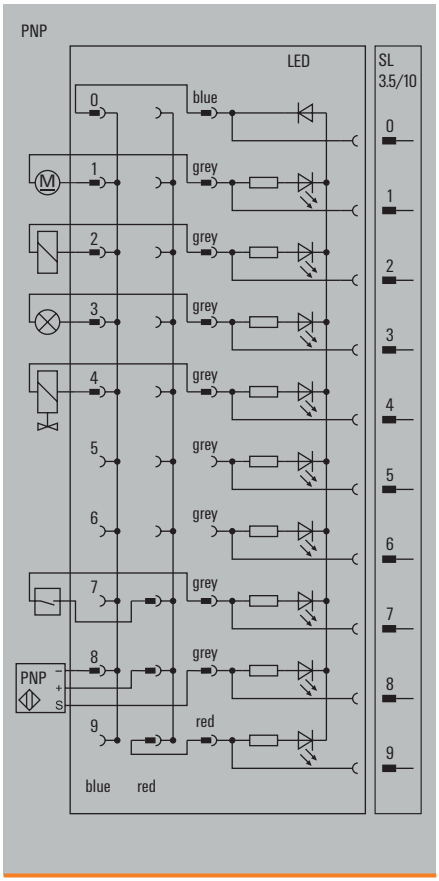


Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

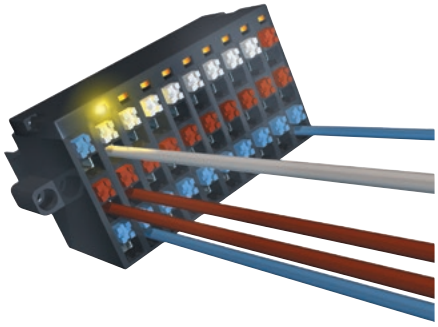
- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



BL-I/O 3.50/../180 NPN LED

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

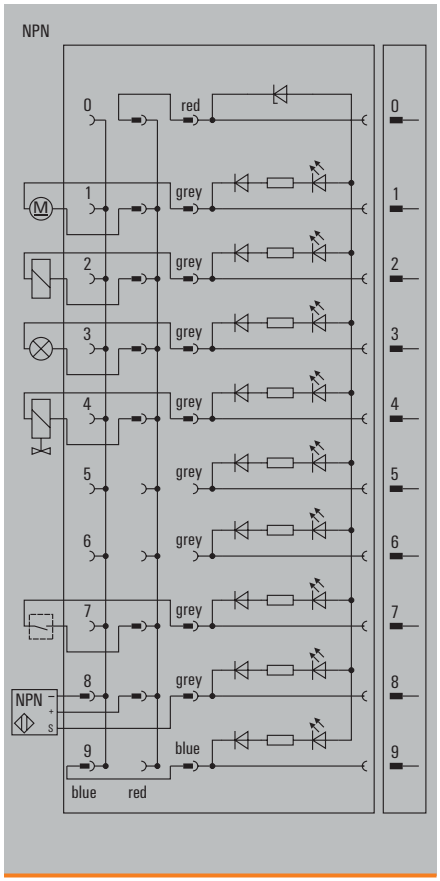


Integrated LED version

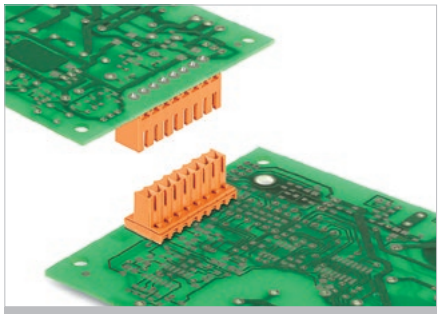
- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



BLL 3.50/../180



Inverted female headers for:
- touch-safety on the PCB
- board-to-board connection of modules (with SL/SL-SMT)
- Wave soldering
- Outlet direction: 180° (standing, perpendicular to PCB)

Product data

IEC: 320 V / 15.1 A
UL: 300 V / 9 A

72h

For additional articles and information, refer to eshop.weidmueller.com

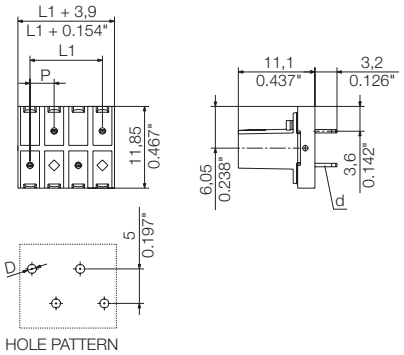
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLL 3.50/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15.1**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**9**		**9**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V		300	
Rated current	A		9	
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

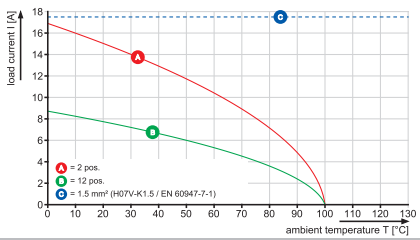
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.50	0.138	75	1376310000
3	7.00	0.276	50	1376320000
4	10.50	0.413	38	1376330000
5	14.00	0.551	30	1376340000
6	17.50	0.689	25	1376430000
7	21.00	0.827	22	1376350000
8	24.50	0.965	19	1376440000
9	28.00	1.102	17	1376450000
10	31.50	1.240	15	1376470000
11	35.00	1.378	14	1376370000
12	38.50	1.516	13	1376480000

Representative deratings curve

BLL 3.50/../180 - SL 3.50/../90



OMNIMATE® Signal
PCB connectors in 3.81 mm pitch

OMNIMATE® Signal
PCB connectors in 3.81 mm pitch

Connectors in 3.81 mm pitch
Series BC/SC 3.81

Explanation	J.2
Quick selection	J.6
Product selection	J.8

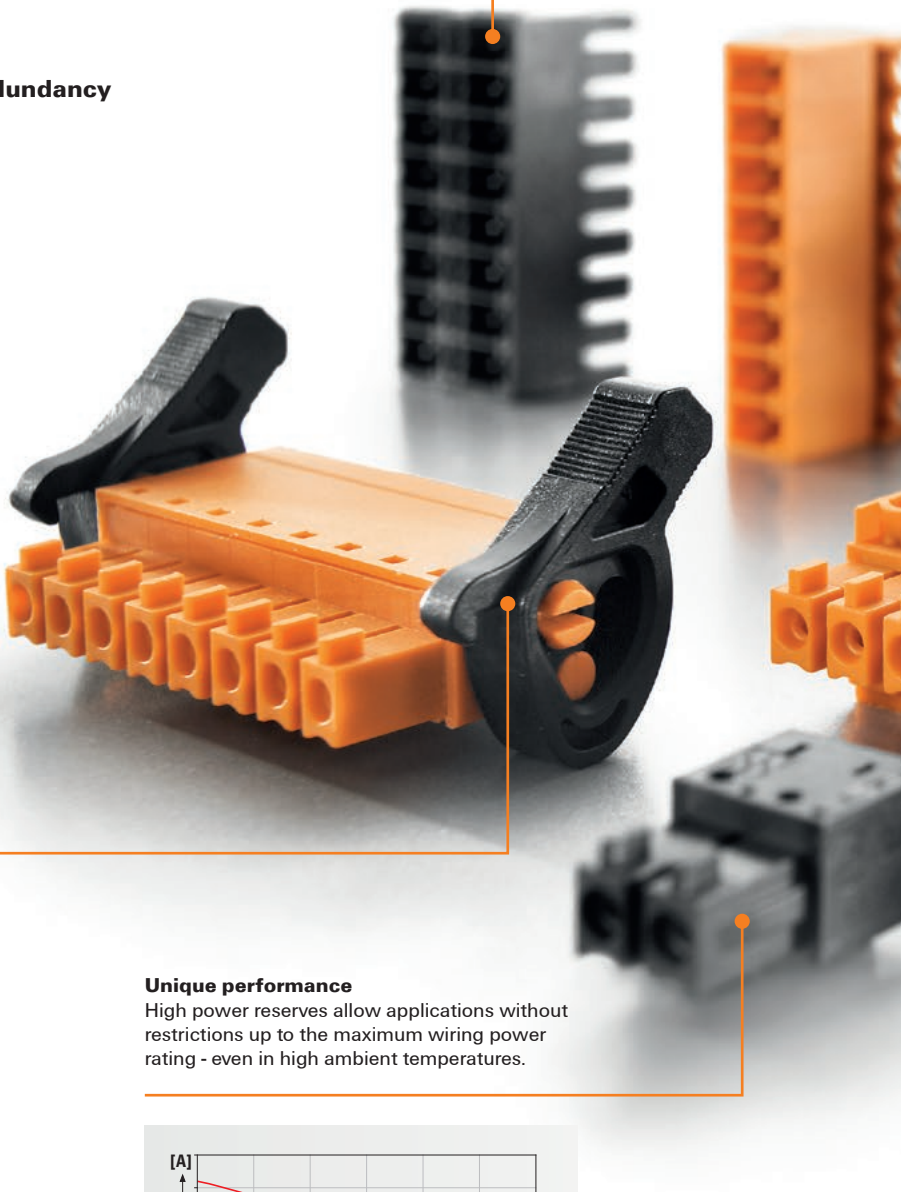
Plug-in connector OMNIMATE® Signal 3.81

Opens up new dimensions for your application

Large variety of products and an extensive accessory range
- All combinations are possible: wire-to-board, wire-to-wire, board-to-board, board-to-wire
- Wide range of reflow ready strips
- Individually configurable with accessories and specific printing or coding
- Compact design to connect 1.5 mm² wires

Unique performance offering high levels of redundancy
- Rated current: 17.5 A
- Up to 65 °C without derating
- Ambient temperature up to 120 °C

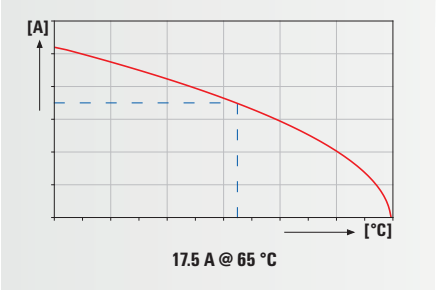
Safe handling characteristics
- Lock & Release lever allows tool-free locking and module-safe loosening
- Vibration resistant PUSH IN connection offers tool free wiring connection
- Proven screw connection



Simple handling
Reliable flange connections are easy to use and protect the electronic modules when they are removed: screw flange, release lever or lock & release lever.



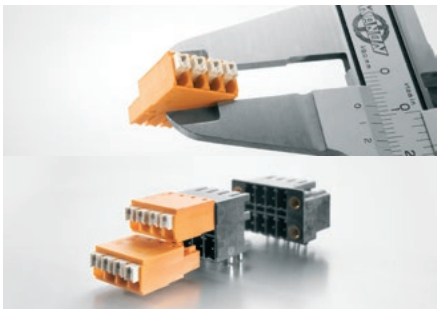
Unique performance
High power reserves allow applications without restrictions up to the maximum wiring power rating - even in high ambient temperatures.



17.5 A @ 65 °C

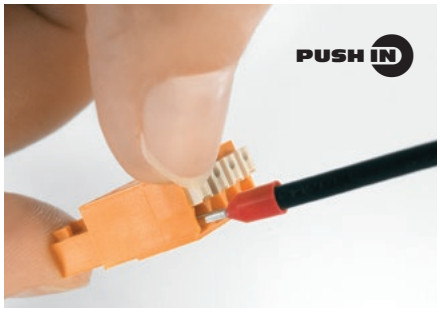
J

Less space required
Minimum stack height, maximum clamping force and PUSH IN: the SCDN 3.81 simply handles two 7.9 mm flat BCF 3.81 with 1.5 mm² wire end ferrules.



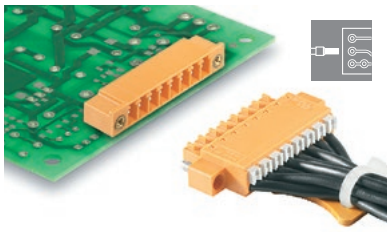


Maintenance-free, secure, vibration-proof
PUSH IN spring connection technology: direct connection without tools – simply plug in the prepared conductors – finished! Intuitive operation using large release buttons.

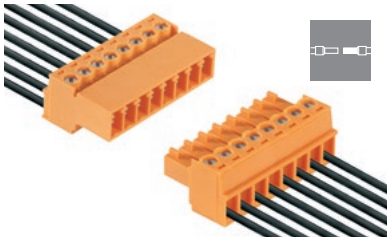


Complete system for all possible combinations and a comprehensive range of accessories

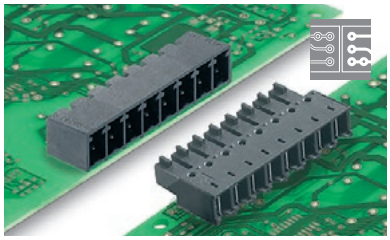
Wire-to-Board



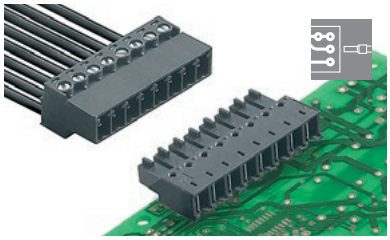
Wire-to-Wire



Board-to-Board



Board-to-Wire



Accessories

Coding	Light guide	Cover hood
SC-SMT KO GR	display SC FLA	BCZ AH

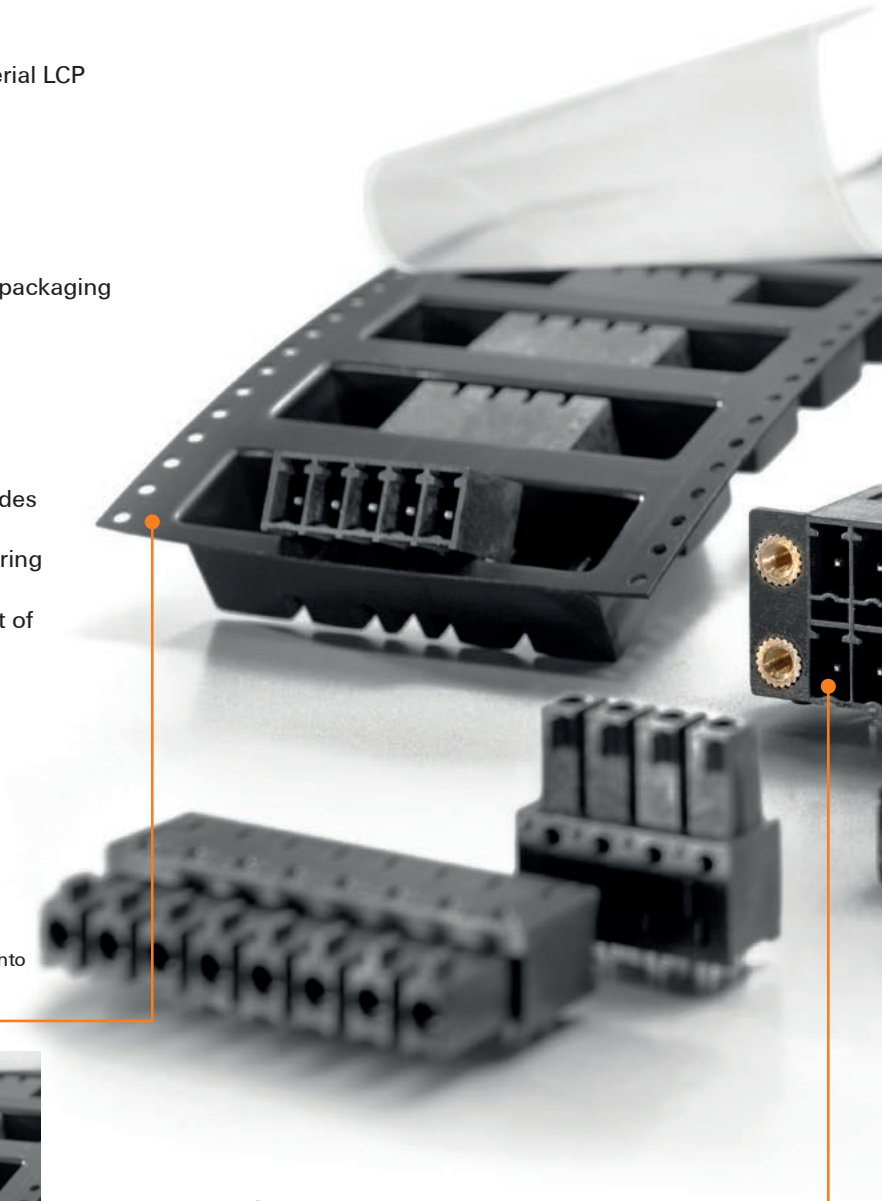


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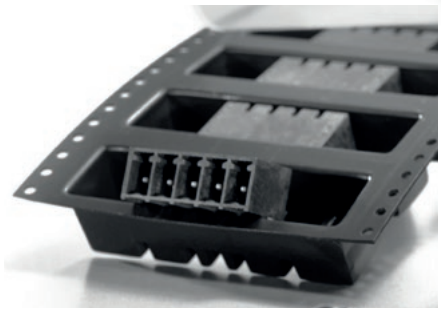
Plug-in connector OMNIMATE® Signal 3.81
Brings new dimensions into handling

Best choice for reflow soldering
- Reflow strips made from the high temperature material LCP
- Form at high soldering temperatures stability
- Dimensionally stable
- Can be processed without drying (MSL 1)
- Thermal expansion properties similar to a FR4 PCB

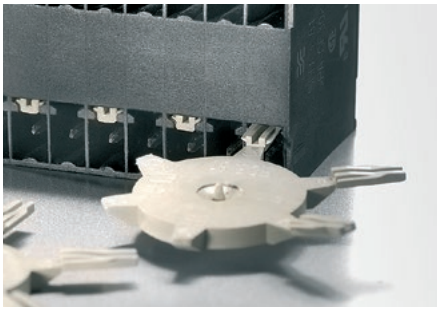
Unique handling
- Suitable for automatic machine handling, antistatic packaging in tape, tray or tube
- Optional Pick & Place pad supports feeder systems
- Solder flange fixes the strip to the PCB without the use of screws
- An optimised pin end which permits AOI (automated optical inspection)
- Variable pin length to support placement on both sides of the PCB
- Integrated spacing bars improve the flow of heat during the solder process
- Free space in the pin area facilitate the development of the solder meniscus.



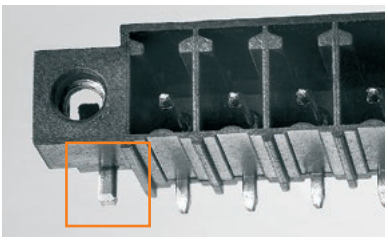
Packaging suitable for use in automated assembly
Standard belt widths for simple integration into the assembly process.



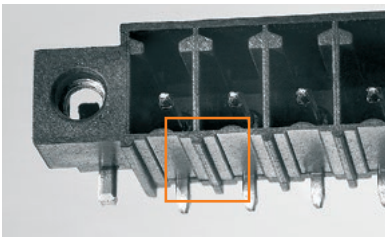
Code in advance – process universally
No additional work required for factory-side reflow-compatible coding.



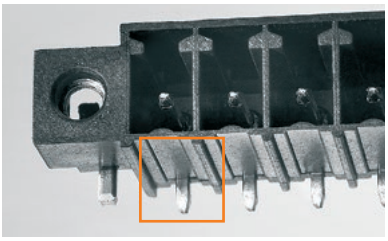
Solder flange pin
Secures to the PCB without a screw



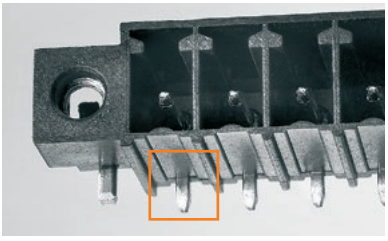
Integrated bars
Optimal airflow during reflow soldering



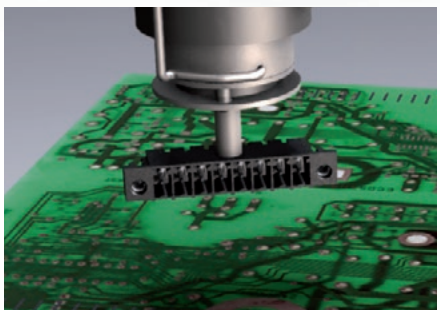
Rebates in the area of the pin
Space for the development of the solder meniscus



Pin tips
Optimal recognition by the automatic optical inspection device (AOI)

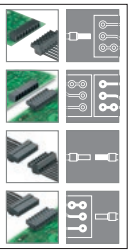


SMT
No need for pre-treatment, high temperature material LCP is safe to use during the soldering process.

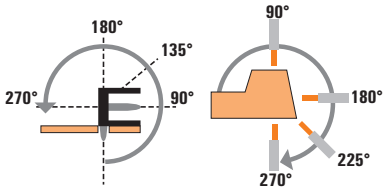


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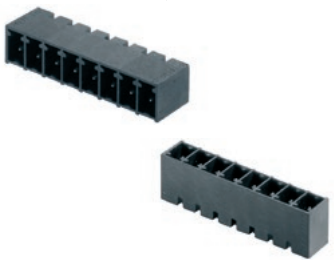
= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



Orientation



BC/SC 3.81 series

							Male header	
								
						Levels	1	
						Orientation	90°	180°
						IEC / UL	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A
							Solder connection	
						Type	**SC**	**SC**
						Flange options	G/F	G/F
							Reflow solder connection	
						Type	**SC-SMT**	**SC-SMT**
						Flange options	G/LF	G/LF
Female plug	Screw		**BCZ**	180°	(G)/F/LR	IEC: 320 V/17.5 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 16	○	○
			**BCZ**	90°	(G)/F	IEC: 320 V/17.5 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 16	○	○
			**BCZ**	270°	(G)/F	IEC: 320 V/17.5 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 16	○	○
	PUSH IN		**BCF**	180°	(G)/F/LR	IEC: 320 V/17.5 A/0.14 - 1.5 mm² UL: 300 V/10 A/AWG 24 - 16	○	○
Female header	Solder connection		**BCL SMT**	90°	(G)/F/LFI	IEC: 320 V/17.5 A UL: 300 V/10 A	●	●
			**BCL SMT**	180°	(G)/LFI	IEC: 320 V/17.5 A UL: 300 V/10 A	●	●

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
LFI = Inverted solder flange with nut
LR = Lock & Release lever

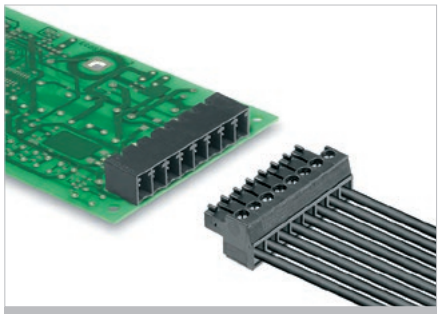
* not included in the article description

Male header and plug:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut
LR = Lock & Release lever
FI = Inverted flange with screw

Male header							Male plug
							
1		2					1
135°	270°	90°	180°	90°	90°	180°	180°
IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A/ 0.2 - 1.5 mm² UL: 300 V/10 A/ AWG 28 - 16
Solder connection							**Screw**
SC	**SC**	**SCD**	**SCD**	**SCDN**	**SCDV**	**SCDV**	**SCZ**
G/F	G/F	G/F	G/F	G/F	G/F	G/F	G/F/FI/LR
Reflow solder connection							
SC-SMT	**SC-SMT**	**SCD-THR**	**SCD-THR**	**SCDN-THR**	**SCDV-THR**	**SCDV-THR**	
G/LF	G/F	G/F	G/F	G/F	G/F	G/F	
○	○	○	○		○	○	●
○	○	○	○		○	○	●
○	○	○	○		○	○	●
○	○	○	○	○	○	○	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

J

SC-SMT 3.81/../90



High-temperature-resistant male header.
- Plugging direction parallel to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

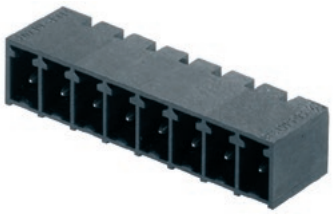
For additional articles and information, refer to eshop.weidmueller.com

Note:

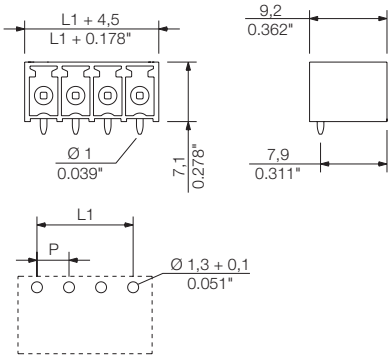
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC-SMT 3.81/../90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

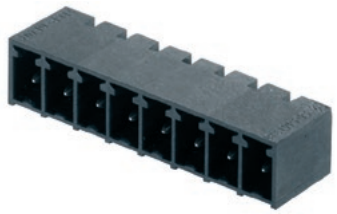
Note: Refer to the Accessories chapter for additional accessories.

Ordering data

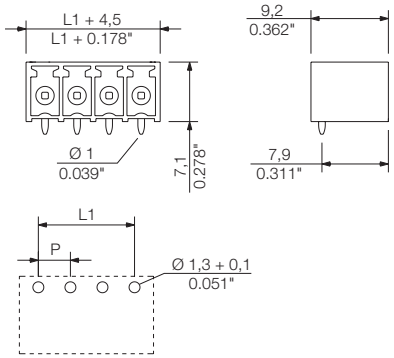
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	50	1862460000
3	7.62	0.300	50	1862480000
4	11.43	0.450	50	1862490000
5	15.24	0.600	50	1862500000
6	19.05	0.750	50	1862510000
7	22.86	0.900	50	1862520000
8	26.67	1.050	50	1862530000
9	30.48	1.200	50	1862540000
10	34.29	1.350	50	1862550000
11	38.10	1.500	50	1862570000
12	41.91	1.650	50	1862730000

SC-SMT 3.81/../90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	400	1863140000
3	7.62	0.300	400	1863150000
4	11.43	0.450	400	1863160000
5	15.24	0.600	400	1863170000
6	19.05	0.750	400	1863180000
7	22.86	0.900	400	1863190000
8	26.67	1.050	400	1863200000
9	30.48	1.200	400	1863210000
10	34.29	1.350	400	1863220000

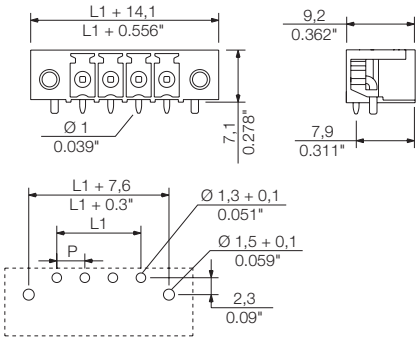
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/../90LF Box

with solder flange



Dimensioned drawing



Ordering data

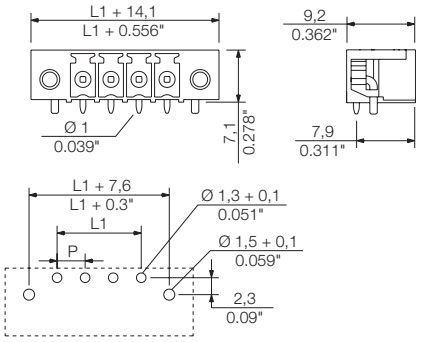
Solder pin length				3.2 mm
Colour				black
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1863670000
3	7.62	0.300	50	1863680000
4	11.43	0.450	50	1863690000
5	15.24	0.600	50	1863700000
6	19.05	0.750	50	1863710000
7	22.86	0.900	50	1863740000
8	26.67	1.050	50	1863760000
9	30.48	1.200	50	1863770000
10	34.29	1.350	50	1863790000
11	38.10	1.500	50	1863810000
12	41.91	1.650	50	1863820000

SC-SMT 3.81/../90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



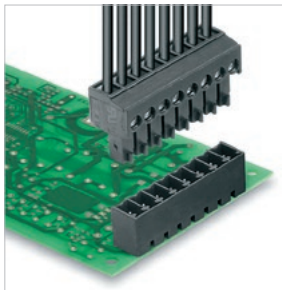
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	400	1862720000
3	7.62	0.300	400	1862750000
4	11.43	0.450	400	1862770000
5	15.24	0.600	400	1862790000
6	19.05	0.750	400	1862820000
7	22.86	0.900	400	1862830000
8	26.67	1.050	400	1862850000

Tape widths: 32, 44, 56, 72, 88

J

SC-SMT 3.81/../180



High-temperature-resistant male header.
- Plugging direction is perpendicular to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

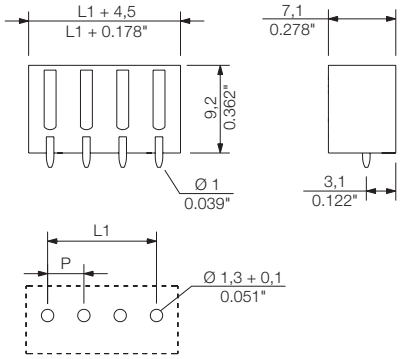
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC-SMT 3.81/../180G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 K0 GY BX	1968900000

Ordering data

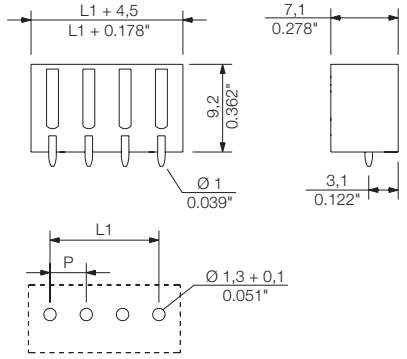
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	1862920000
3	7.62	0.300	50	1862940000
4	11.43	0.450	50	1862950000
5	15.24	0.600	50	1863010000
6	19.05	0.750	50	1863020000
7	22.86	0.900	50	1863030000
8	26.67	1.050	50	1863240000
9	30.48	1.200	50	1863270000
10	34.29	1.350	50	1863290000
11	38.10	1.500	50	1863320000
12	41.91	1.650	50	1863330000

SC-SMT 3.81/../180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				black	black
Pitch	**3.81 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	300	1864050000	
3	7.62	0.300	300	1864060000	
4	11.43	0.450	300	1864290000	1863490000
5	15.24	0.600	300	1864300000	
6	19.05	0.750	300	1864310000	
7	22.86	0.900	300	1864320000	
8	26.67	1.050	300	1864330000	
9	30.48	1.200	300	1864340000	
10	34.29	1.350	300	1864350000	

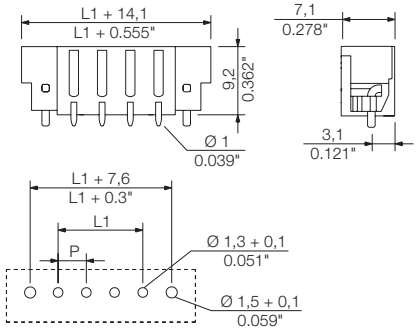
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/../180LF Box

with solder flange



Dimensioned drawing



Ordering data

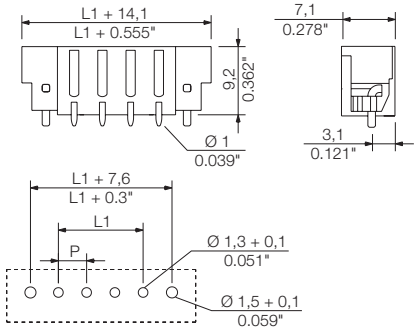
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1863230000
3	7.62	0.300	50	1863250000
4	11.43	0.450	50	1863260000
5	15.24	0.600	50	1863280000
6	19.05	0.750	50	1863300000
7	22.86	0.900	50	1863310000
8	26.67	1.050	50	1863340000
9	30.48	1.200	50	1863360000
10	34.29	1.350	50	1863380000
11	38.10	1.500	50	1863390000
12	41.91	1.650	50	1863410000

SC-SMT 3.81/../180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



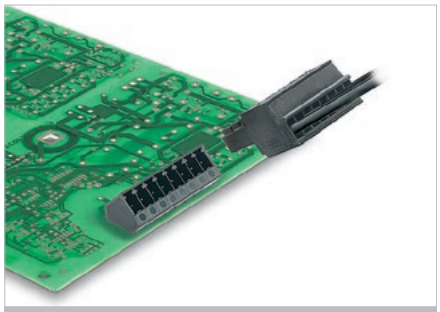
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	300	1864220000
3	7.62	0.300	300	1864230000
4	11.43	0.450	300	1864240000
5	15.24	0.600	300	1864250000
6	19.05	0.750	300	1864260000
7	22.86	0.900	300	1864270000
8	26.67	1.050	300	1864280000

Tape widths: 32, 44, 56, 72, 88

J

SC-SMT 3.81/../135



Male header with 135° plugging angle (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire orientation and the circuit board.

- Reflow compatible
- Available in closed (G) and with solder flange (LF).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

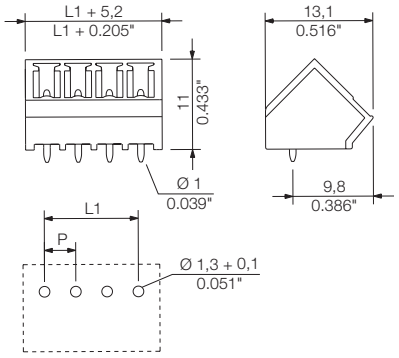
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC-SMT 3.81/../135G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

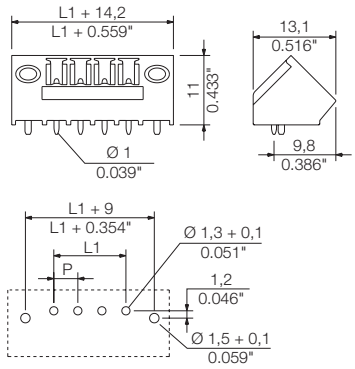
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1977200000
3	7.62	0.300	50	1977210000
4	11.43	0.450	50	1977220000
5	15.24	0.600	50	1977230000
6	19.05	0.750	50	1977240000
7	22.86	0.900	50	1977250000
8	26.67	1.050	50	1977690000
9	30.48	1.200	50	1977700000
10	34.29	1.350	50	1977710000
11	38.10	1.500	50	1977720000
12	41.91	1.650	50	1977730000

SC-SMT 3.81/../135LF

with solder flange



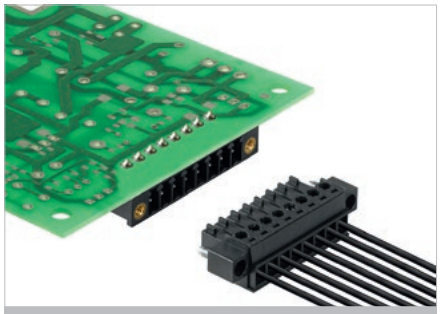
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1978080000
3	7.62	0.300	50	1978090000
4	11.43	0.450	50	1978100000
5	15.24	0.600	50	1978110000
6	19.05	0.750	50	1978120000
7	22.86	0.900	50	1978130000
8	26.67	1.050	50	1978140000
9	30.48	1.200	50	1978150000
10	34.29	1.350	50	1978160000
11	38.10	1.500	50	1978170000
12	41.91	1.650	50	1978180000

SC-SMT 3.81/../270



High-temperature-resistant male header with 270° plugging angle (the angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Reflow compatible
- Available in closed (G) version and with screw flange (F).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

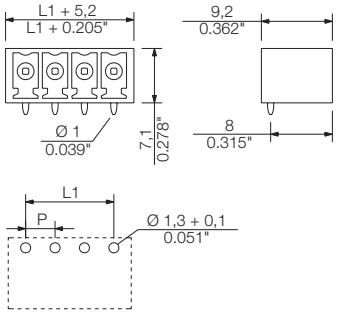
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC-SMT 3.81/../270G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 K0 GY BX	**1968900000**

Ordering data

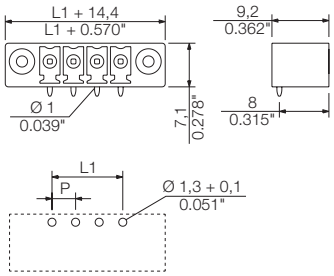
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	**1036480000**
3	7.62	0.300	50	**1036490000**
4	11.43	0.450	50	**1036510000**
5	15.24	0.600	50	**1036520000**
6	19.05	0.750	50	**1036530000**
7	22.86	0.900	50	**1036540000**
8	26.67	1.050	50	**1036550000**
9	30.48	1.200	50	**1036560000**
10	34.29	1.350	50	**1036570000**
11	38.10	1.500	50	**1036580000**
12	41.91	1.650	50	**1036590000**

SC-SMT 3.81/../270F

with screw flange



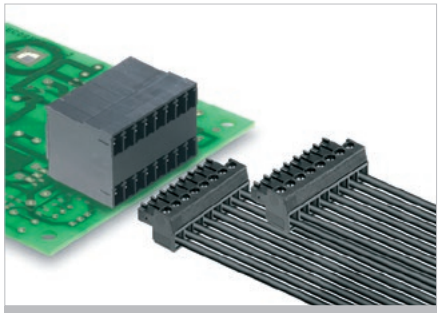
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1036990000
3	7.62	0.300	50	1037010000
4	11.43	0.450	50	1037020000
5	15.24	0.600	50	1037030000
6	19.05	0.750	50	1037040000
7	22.86	0.900	50	1037050000
8	26.67	1.050	50	1037060000
9	30.48	1.200	50	1037070000
10	34.29	1.350	50	1037080000
11	38.10	1.500	50	1037090000
12	41.91	1.650	50	1037110000

SCD-THR 3.81/../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

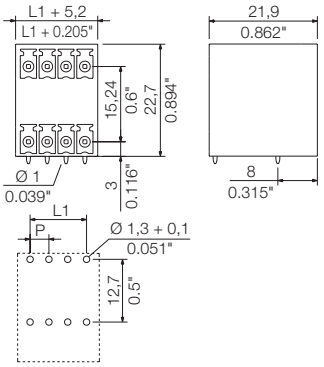
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCD-THR 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

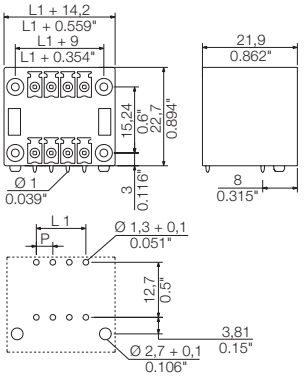
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	50	1973730000
6	7.62	0.300	50	1973740000
8	11.43	0.450	50	1973750000
10	15.24	0.600	50	1973760000
12	19.05	0.750	50	1973770000
14	22.86	0.900	50	1973780000
16	26.67	1.050	50	1973790000
18	30.48	1.200	50	1973800000
20	34.29	1.350	50	1973810000
22	38.10	1.500	50	1973820000
24	41.91	1.650	50	1973830000

SCD-THR 3.81/../90F

with screw flange



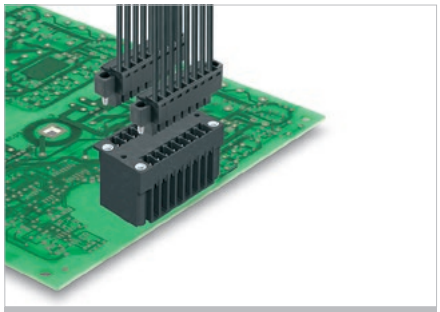
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	**1974180000**
6	7.62	0.300	50	**1974190000**
8	11.43	0.450	50	**1974200000**
10	15.24	0.600	50	**1974210000**
12	19.05	0.750	50	**1974220000**
14	22.86	0.900	50	**1974230000**
16	26.67	1.050	50	**1974240000**
18	30.48	1.200	50	**1974250000**
20	34.29	1.350	50	**1974290000**
22	38.10	1.500	50	**1974310000**
24	41.91	1.650	50	**1974330000**

SCD-THR 3.81/../180



High-temperature-resistant, double-level male header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Orientation: 180° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

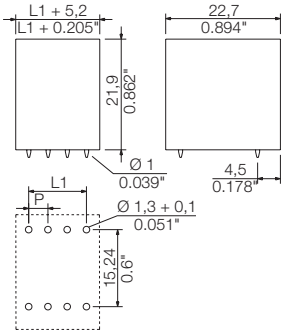
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCD-THR 3.81/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

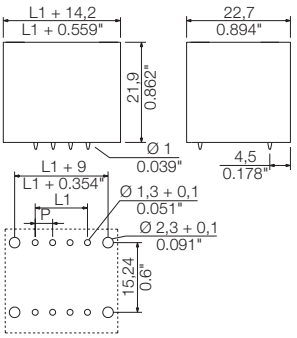
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	3.81	0.150	50	1030950000
6	7.62	0.300	50	1030960000
8	11.43	0.450	50	1030970000
10	15.24	0.600	50	1030980000
12	19.05	0.750	50	1030990000
14	22.86	0.900	50	1031010000
16	26.67	1.050	50	1031020000
18	30.48	1.200	50	1031030000
20	34.29	1.350	50	1031040000
22	38.10	1.500	50	1031050000
24	41.91	1.650	50	1031060000

SCD-THR 3.81/../180F

with screw flange



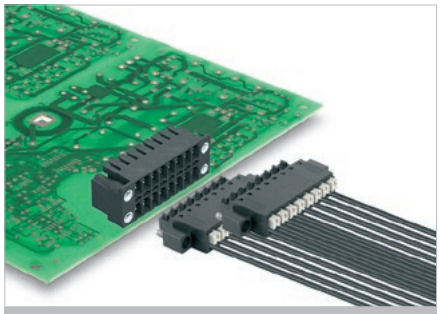
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	**1031460000**
6	7.62	0.300	50	**1031470000**
8	11.43	0.450	50	**1031490000**
10	15.24	0.600	50	**1031510000**
12	19.05	0.750	50	**1031520000**
14	22.86	0.900	50	**1031530000**
16	26.67	1.050	50	**1031540000**
18	30.48	1.200	50	**1031560000**
20	34.29	1.350	50	**1031570000**
22	38.10	1.500	50	**1031590000**
24	41.91	1.650	50	**1031610000**

SCDN-THR 3.81/../90



Compact double-level male header for reflow soldering process. For use with BCF 3.81 plugs.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

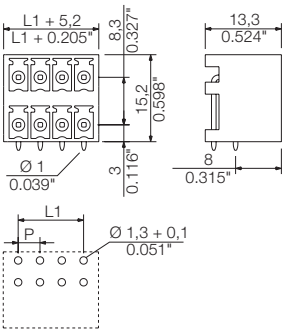
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDN-THR 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		11
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	**1968900000**

Ordering data

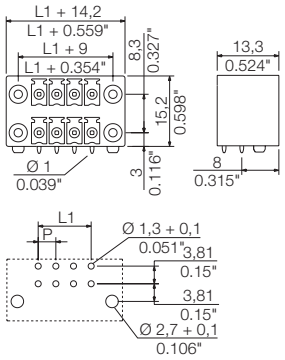
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	50	**1038950000**
6	7.62	0.300	50	**1038960000**
8	11.43	0.450	50	**1038970000**
10	15.24	0.600	50	**1038980000**
12	19.05	0.750	50	**1038990000**
14	22.86	0.900	50	**1039010000**
16	26.67	1.050	50	**1039020000**
18	30.48	1.200	50	**1039030000**
20	34.29	1.350	50	**1039040000**
22	38.10	1.500	50	**1039050000**
24	41.91	1.650	50	**1039060000**

SCDN-THR 3.81/../90F

with screw flange



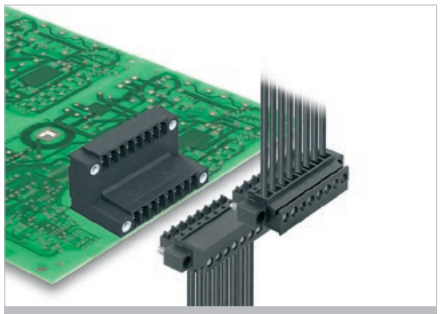
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1039440000
6	7.62	0.300	50	1039450000
8	11.43	0.450	50	1039460000
10	15.24	0.600	50	1039520000
12	19.05	0.750	50	1039530000
14	22.86	0.900	50	1039540000
16	26.67	1.050	50	1039550000
18	30.48	1.200	50	1039560000
20	34.29	1.350	50	1039570000
22	38.10	1.500	50	1039580000
24	41.91	1.650	50	1039590000

SCDV-THR 3.81/../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

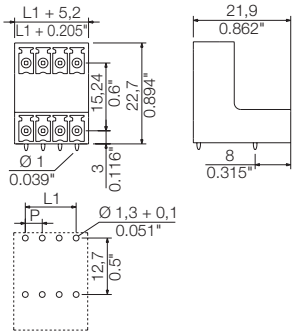
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDV-THR 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		11
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

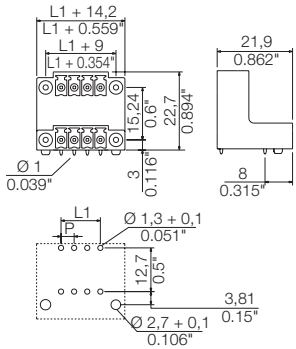
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	50	1033490000
6	7.62	0.300	50	1033510000
8	11.43	0.450	50	1033520000
10	15.24	0.600	50	1033530000
12	19.05	0.750	50	1033540000
14	22.86	0.900	50	1033550000
16	26.67	1.050	50	1033560000
18	30.48	1.200	50	1033570000
20	34.29	1.350	50	1033580000
22	38.10	1.500	50	1033590000
24	41.91	1.650	50	1033600000

SCDV-THR 3.81/../90F

with screw flange



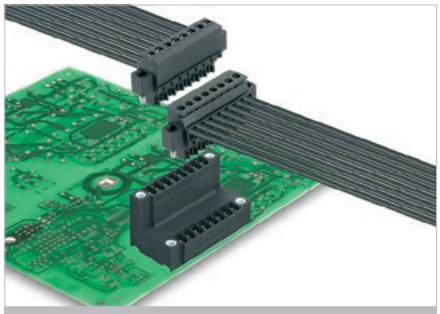
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1033970000
6	7.62	0.300	50	1033980000
8	11.43	0.450	50	1033990000
10	15.24	0.600	50	1034010000
12	19.05	0.750	50	1034020000
14	22.86	0.900	50	1034030000
16	26.67	1.050	50	1034040000
18	30.48	1.200	50	1034050000
20	34.29	1.350	50	1034060000
22	38.10	1.500	50	1034070000
24	41.91	1.650	50	1034080000

SCDV-THR 3.81/../180



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 180°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

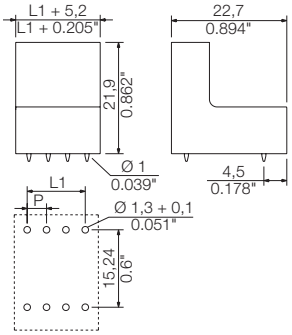
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDV-THR 3.81/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**11**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		11
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

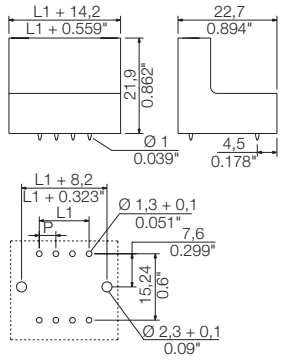
Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1035470000
6	7.62	0.300	50	1035480000
8	11.43	0.450	50	1035490000
10	15.24	0.600	50	1035510000
12	19.05	0.750	50	1035520000
14	22.86	0.900	50	1035530000
16	26.67	1.050	50	1035540000
18	30.48	1.200	50	1035550000
20	34.29	1.350	50	1035560000
22	38.10	1.500	50	1035570000
24	41.91	1.650	50	1035580000

SCDV-THR 3.81/../180F

with screw flange



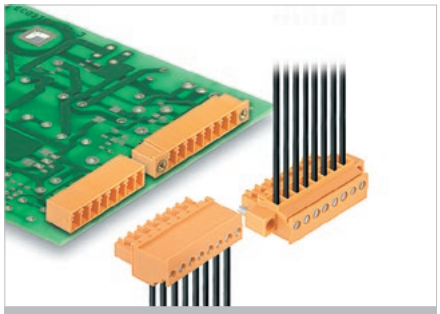
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	**1035950000**
6	7.62	0.300	50	**1035960000**
8	11.43	0.450	50	**1035970000**
10	15.24	0.600	50	**1035980000**
12	19.05	0.750	50	**1035990000**
14	22.86	0.900	50	**1036010000**
16	26.67	1.050	50	**1036020000**
18	30.48	1.200	50	**1036030000**
20	34.29	1.350	50	**1036040000**
22	38.10	1.500	50	**1036050000**
24	41.91	1.650	50	**1036060000**

SC 3.81/../90



Male header with plugging direction in parallel to the circuit board.

- Available in closed (G) version and with screw flange (F)

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

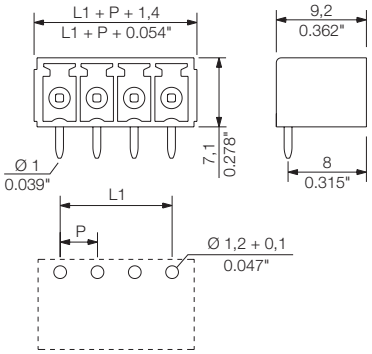
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 K0 GY BX	1968900000
LED light guide		
	SC 3.81 FLA 1.5/14.25	1979730000
	SC 3.81 FLA 2.3/14.25	1979750000
	SC 3.81 FLA 1.5/16	1979720000
	SC 3.81 FLA 2.3/16	1979740000

Ordering data

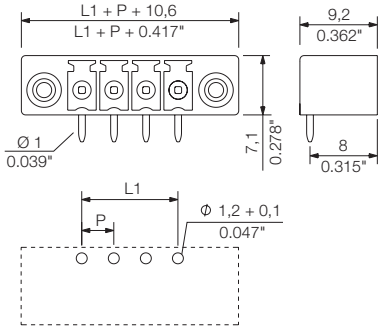
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	198	1942020000
3	7.62	0.300	138	1942040000
4	11.43	0.450	108	1942070000
5	15.24	0.600	84	1942090000
6	19.05	0.750	72	1942100000
7	22.86	0.900	60	1942120000
8	26.67	1.050	54	1942130000
9	30.48	1.200	48	1942140000
10	34.29	1.350	42	1942150000
11	38.10	1.500	42	1942160000
12	41.91	1.650	36	1942170000

SC 3.81/../90F

with screw flange



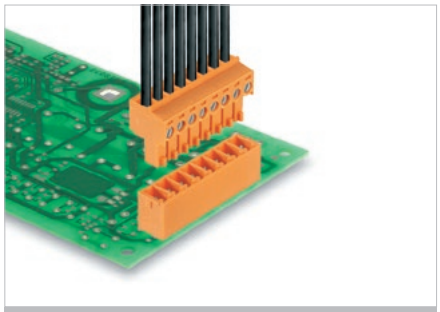
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	96	1942450000
3	7.62	0.300	78	1942460000
4	11.43	0.450	66	1942470000
5	15.24	0.600	60	1942480000
6	19.05	0.750	54	1942490000
7	22.86	0.900	48	1942500000
8	26.67	1.050	42	1942510000
9	30.48	1.200	36	1942520000
10	34.29	1.350	36	1942530000
11	38.10	1.500	30	1942540000
12	41.91	1.650	30	1942550000

SC 3.81/../180



The 180° male header has a perpendicular plugging direction in relation to the circuit board. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

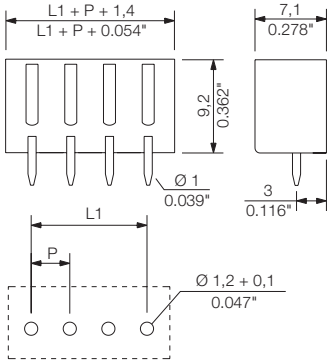
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC 3.81/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 K0 GY BX	**1968900000**
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	**1610740000**

Ordering data

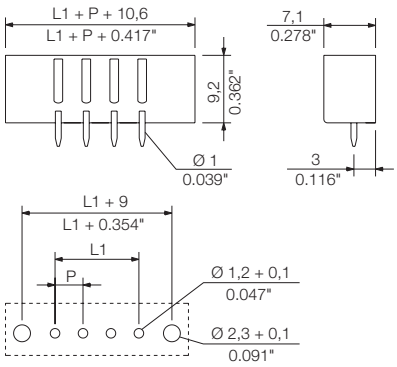
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	198	**1942840000**
3	7.62	0.300	138	**1942850000**
4	11.43	0.450	50	**1942860000**
5	15.24	0.600	84	**1942870000**
6	19.05	0.750	72	**1942880000**
7	22.86	0.900	60	**1942890000**
8	26.67	1.050	54	**1942900000**
9	30.48	1.200	48	**1942910000**
10	34.29	1.350	42	**1942920000**
11	38.10	1.500	42	**1942930000**
12	41.91	1.650	36	**1942940000**

SC 3.81/../180F

with screw flange



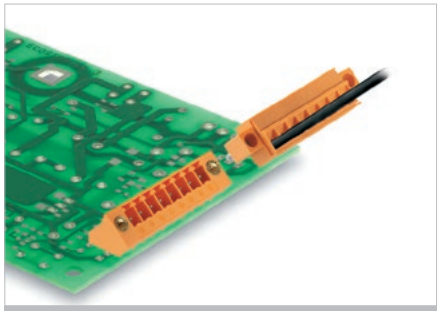
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	96	1943180000
3	7.62	0.300	78	1943190000
4	11.43	0.450	66	1943200000
5	15.24	0.600	60	1943210000
6	19.05	0.750	54	1943220000
7	22.86	0.900	48	1943230000
8	26.67	1.050	42	1943240000
9	30.48	1.200	36	1943250000
10	34.29	1.350	36	1943260000
11	38.10	1.500	30	1943270000
12	41.91	1.650	30	1943280000

SC 3.81/../135



Male header with 135° plugging angle – (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire outlet and the circuit board.

- Available in Closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

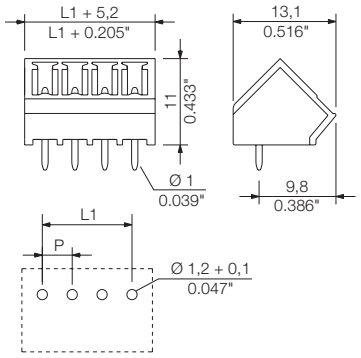
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC 3.81/../135G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

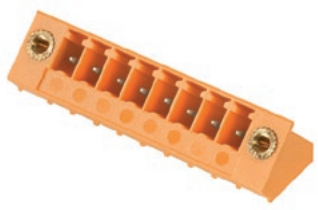
Coding		Order No.
	SC-SMT 3.81 K0 GY BX	1968900000

Ordering data

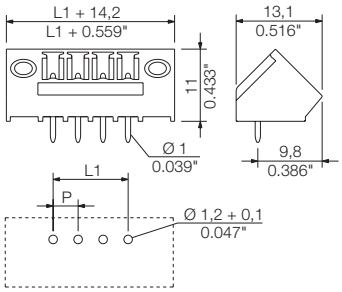
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	50	1975720000
3	7.62	0.300	50	1975770000
4	11.43	0.450	50	1975800000
5	15.24	0.600	50	1975810000
6	19.05	0.750	50	1975880000
7	22.86	0.900	50	1975900000
8	26.67	1.050	50	1975920000
9	30.48	1.200	50	1975930000
10	34.29	1.350	50	1975940000
11	38.10	1.500	50	1975950000
12	41.91	1.650	50	1975960000

SC 3.81/../135F

with screw flange



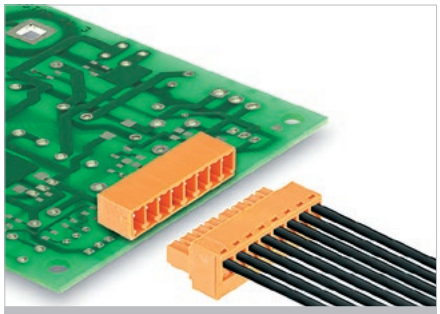
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1976740000
3	7.62	0.300	50	1976750000
4	11.43	0.450	50	1976760000
5	15.24	0.600	50	1976770000
6	19.05	0.750	50	1976780000
7	22.86	0.900	50	1976790000
8	26.67	1.050	50	1976800000
9	30.48	1.200	50	1976810000
10	34.29	1.350	50	1976820000
11	38.10	1.500	50	1976830000
12	41.91	1.650	50	1976840000

SC 3.81/../270



Male header with 270° plugging angle (270° angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

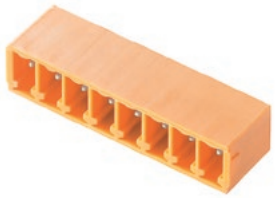
For additional articles and information, refer to eshop.weidmueller.com

Note:

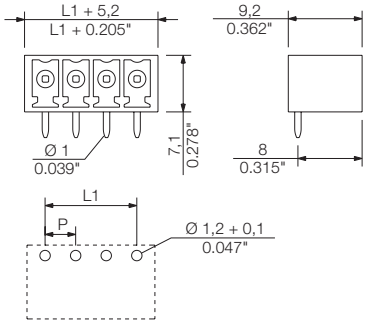
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SC 3.81/../270G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

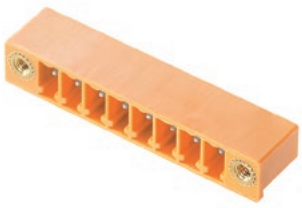
Coding		Order No.
	SC-SMT 3.81 K0 GY BX	1968900000

Ordering data

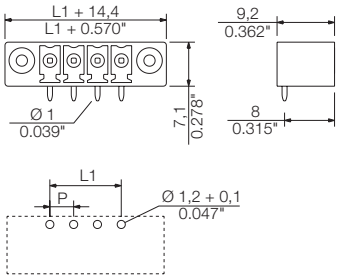
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1037490000
3	7.62	0.300	50	1037510000
4	11.43	0.450	50	1037520000
5	15.24	0.600	50	1037530000
6	19.05	0.750	50	1037540000
7	22.86	0.900	50	1037550000
8	26.67	1.050	50	1037560000
9	30.48	1.200	50	1037570000
10	34.29	1.350	50	1037580000
11	38.10	1.500	50	1037590000
12	41.91	1.650	50	1037610000

SC 3.81/../270F

with screw flange



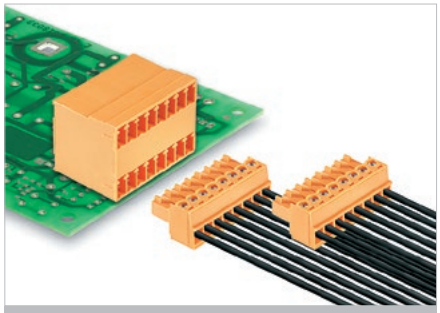
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1038040000
3	7.62	0.300	50	1038050000
4	11.43	0.450	50	1038060000
5	15.24	0.600	50	1038070000
6	19.05	0.750	50	1038080000
7	22.86	0.900	50	1038090000
8	26.67	1.050	50	1038110000
9	30.48	1.200	50	1038130000
10	34.29	1.350	50	1038140000
11	38.10	1.500	50	1038150000
12	41.91	1.650	50	1038160000

SCD 3.81/../90



Double-level male header for wave soldering.
- Orientation: 90°
- Connections at the same level with access that is flush over the front of the board.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

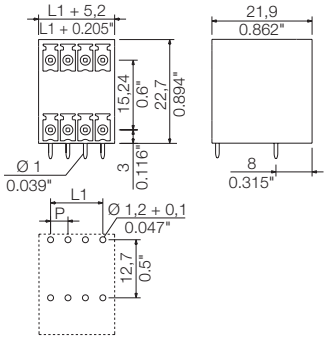
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCD 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

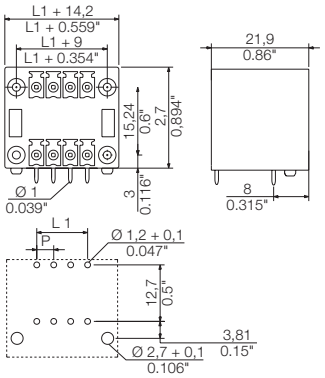
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	132	1972790000
6	7.62	0.300	92	1972800000
8	11.43	0.450	72	1972810000
10	15.24	0.600	56	1972820000
12	19.05	0.750	48	1972830000
14	22.86	0.900	40	1972840000
16	26.67	1.050	36	1972850000
18	30.48	1.200	32	1972860000
20	34.29	1.350	28	1972870000
22	38.10	1.500	24	1972880000
24	41.91	1.650	24	1972890000

SCD 3.81/../90F

with screw flange



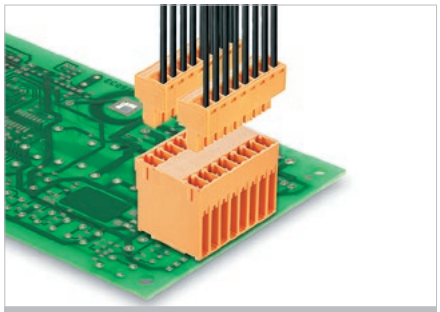
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	64	**1973260000**
6	7.62	0.300	52	**1973270000**
8	11.43	0.450	44	**1973280000**
10	15.24	0.600	40	**1973290000**
12	19.05	0.750	36	**1973300000**
14	22.86	0.900	32	**1973310000**
16	26.67	1.050	28	**1973320000**
18	30.48	1.200	24	**1973330000**
20	34.29	1.350	24	**1973340000**
22	38.10	1.500	20	**1973350000**
24	41.91	1.650	20	**1973360000**

SCD 3.81/../180



Double-level male header for wave soldering.
- Outlet direction: 180°
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

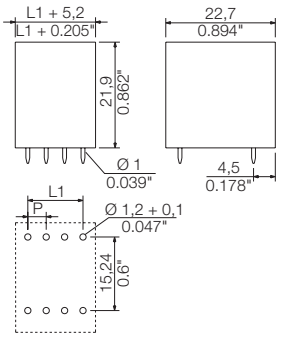
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCD 3.81/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

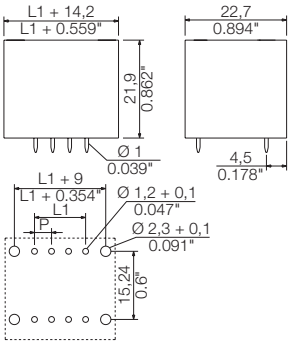
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	3.81	0.150	132	1029920000
6	7.62	0.300	92	1029940000
8	11.43	0.450	72	1029950000
10	15.24	0.600	56	1029960000
12	19.05	0.750	48	1029970000
14	22.86	0.900	40	1029980000
16	26.67	1.050	36	1029990000
18	30.48	1.200	32	1030010000
20	34.29	1.350	28	1030020000
22	38.10	1.500	24	1030030000
24	41.91	1.650	24	1030040000

SCD 3.81/../180F

with screw flange



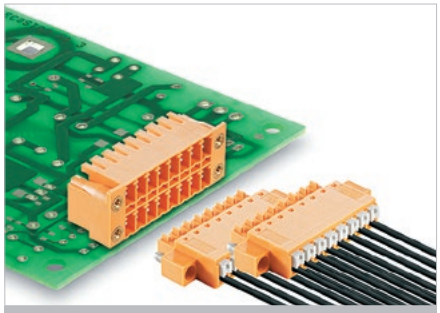
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	64	1030440000
6	7.62	0.300	52	1030450000
8	11.43	0.450	44	1030460000
10	15.24	0.600	40	1030470000
12	19.05	0.750	36	1030480000
14	22.86	0.900	32	1030490000
16	26.67	1.050	28	1030510000
18	30.48	1.200	24	1030520000
20	34.29	1.350	24	1030530000
22	38.10	1.500	20	1030540000
24	41.91	1.650	20	1030550000

SCDN 3.81/../90



Compact double-level male header for wave soldering.
- For use with BCF 3.81 (PUSH IN) plugs.
- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

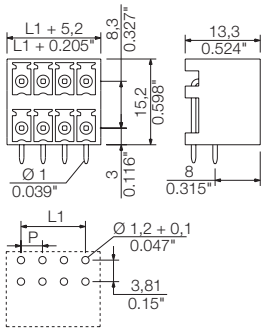
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDN 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	**1968900000**

Ordering data

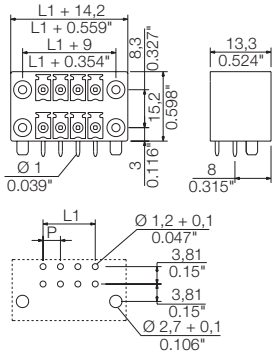
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	50	**1040410000**
6	7.62	0.300	50	**1040420000**
8	11.43	0.450	50	**1040430000**
10	15.24	0.600	50	**1040440000**
12	19.05	0.750	50	**1040450000**
14	22.86	0.900	50	**1040460000**
16	26.67	1.050	50	**1040470000**
18	30.48	1.200	50	**1040490000**
20	34.29	1.350	50	**1040510000**
22	38.10	1.500	50	**1040520000**
24	41.91	1.650	50	**1040530000**

SCDN 3.81/../90F

with screw flange



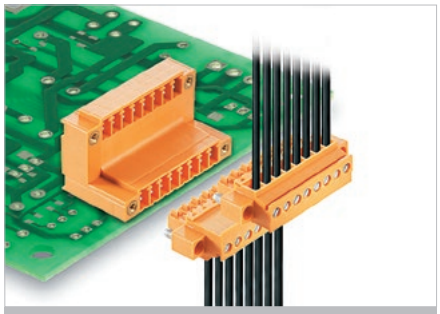
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1040960000
6	7.62	0.300	50	1040970000
8	11.43	0.450	50	1040980000
10	15.24	0.600	50	1040990000
12	19.05	0.750	50	1041000000
14	22.86	0.900	50	1041010000
16	26.67	1.050	50	1041020000
18	30.48	1.200	50	1041030000
20	34.29	1.350	50	1041040000
22	38.10	1.500	50	1041050000
24	41.91	1.650	50	1041060000

SCDV 3.81/../90



Double level male header for wave soldering.
- Orientation: 90°
- Connections at two offset levels with open access to each row.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

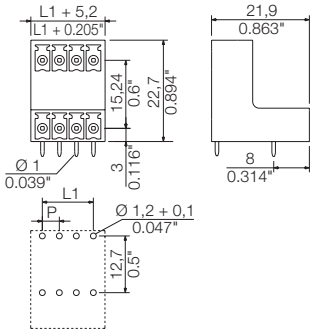
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDV 3.81/../90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.2	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 K0 GY BX	1968900000

Ordering data

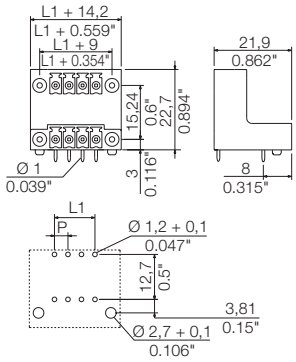
Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	3.81	0.150	50	1032090000
6	7.62	0.300	50	1032110000
8	11.43	0.450	50	1032120000
10	15.24	0.600	50	1032130000
12	19.05	0.750	50	1032140000
14	22.86	0.900	50	1032150000
16	26.67	1.050	50	1032160000
18	30.48	1.200	50	1032170000
20	34.29	1.350	50	1032190000
22	38.10	1.500	50	1032200000
24	41.91	1.650	50	1032210000

SCDV 3.81/../90F

with screw flange



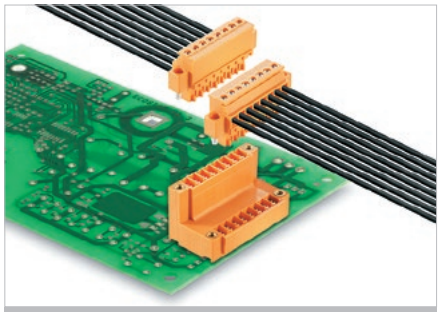
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1032580000
6	7.62	0.300	50	1032590000
8	11.43	0.450	50	1032600000
10	15.24	0.600	50	1032610000
12	19.05	0.750	50	1032620000
14	22.86	0.900	50	1032630000
16	26.67	1.050	50	1032640000
18	30.48	1.200	50	1032650000
20	34.29	1.350	50	1032660000
22	38.10	1.500	50	1032670000
24	41.91	1.650	50	1032680000

SCDV 3.81/../180



Double-level male header for wave soldering.
- Orientation: 180°.
- Connections at two offset levels with open access to each row.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

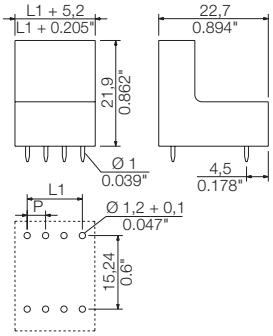
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDV 3.81/../180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**11**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	11		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.2	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1034470000
6	7.62	0.300	50	1034490000
8	11.43	0.450	50	1034510000
10	15.24	0.600	50	1034520000
12	19.05	0.750	50	1034530000
14	22.86	0.900	50	1034540000
16	26.67	1.050	50	1034550000
18	30.48	1.200	50	1034560000
20	34.29	1.350	50	1034570000
22	38.10	1.500	50	1034580000
24	41.91	1.650	50	1034590000

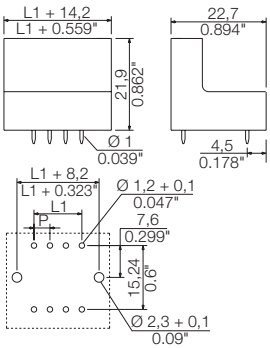
J

SCDV 3.81/../180F

with screw flange



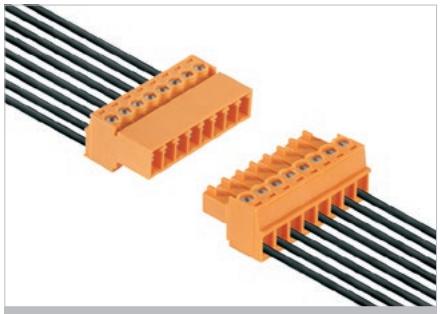
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	**1034980000**
6	7.62	0.300	50	**1034990000**
8	11.43	0.450	50	**1035010000**
10	15.24	0.600	50	**1035020000**
12	19.05	0.750	50	**1035030000**
14	22.86	0.900	50	**1035040000**
16	26.67	1.050	50	**1035050000**
18	30.48	1.200	50	**1035060000**
20	34.29	1.350	50	**1035070000**
22	38.10	1.500	50	**1035080000**
24	41.91	1.650	50	**1035090000**

SCZ 3.81/../ 180



Inverted male plug with screw connection:
- Wire-to-wire connection with the BCZ female plug
- Board-to-wire connection with the BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

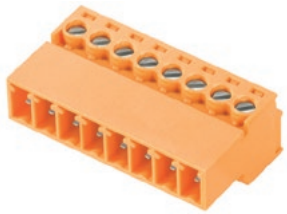
72h

For additional articles and information, refer to eshop.weidmueller.com

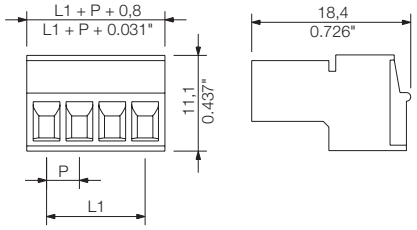
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCZ 3.81/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	10	10	
AWG conductor	AWG	28-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

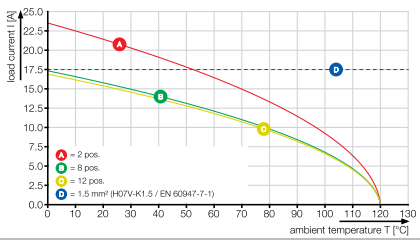
Colour orange

Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1969520000
3	7.62	0.300	50	1969540000
4	11.43	0.450	50	1969560000
5	15.24	0.600	50	1969570000
6	19.05	0.750	50	1969580000
7	22.86	0.900	50	1969590000
8	26.67	1.050	50	1969610000
9	30.48	1.200	50	1969630000
10	34.29	1.350	50	1969640000
11	38.10	1.500	50	1969660000
12	41.91	1.650	50	1969670000

Representative deratings curve

BCL-SMT 3.81/../90 - SCZ 3.81/../180

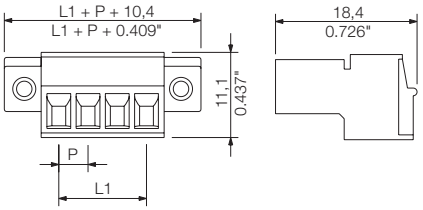


SCZ 3.81/../ 180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length

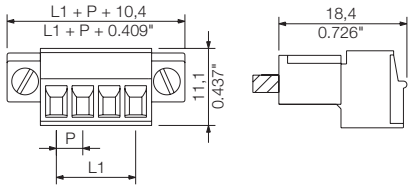
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1970910000**
3	7.62	0.300	50	**1970920000**
4	11.43	0.450	50	**1970930000**
5	15.24	0.600	50	**1970940000**
6	19.05	0.750	50	**1970960000**
7	22.86	0.900	50	**1970970000**
8	26.67	1.050	50	**1970980000**
9	30.48	1.200	50	**1970990000**
10	34.29	1.350	50	**1971000000**
11	38.10	1.500	50	**1971010000**
12	41.91	1.650	50	**1971020000**

SCZ 3.81/../180FI

with inverted flange



Dimensioned drawing



Ordering data

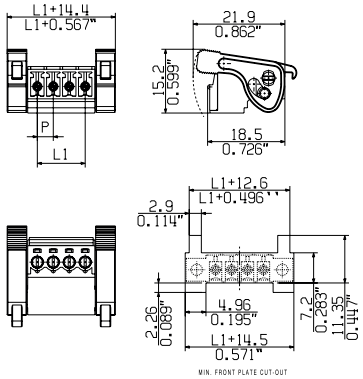
Solder pin length

Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1970260000**
3	7.62	0.300	50	**1970270000**
4	11.43	0.450	50	**1970310000**
5	15.24	0.600	50	**1970320000**
6	19.05	0.750	50	**1970340000**
7	22.86	0.900	50	**1970350000**
8	26.67	1.050	50	**1970360000**
9	30.48	1.200	50	**1970390000**
10	34.29	1.350	50	**1970410000**
11	38.10	1.500	50	**1970420000**
12	41.91	1.650	50	**1970430000**

SCZ 3.81/../180LR



Dimensioned drawing



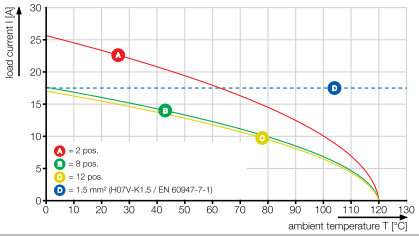
Ordering data

Solder pin length

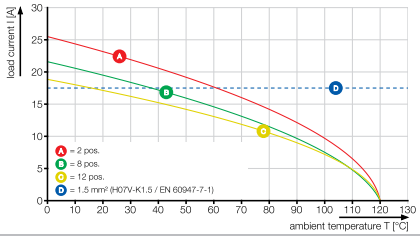
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**2442050000**
3	7.62	0.300	50	**2444060000**
4	11.43	0.450	50	**2444090000**
5	15.24	0.600	50	**2444100000**
6	19.05	0.750	50	**2444110000**
7	22.86	0.900	50	**2444120000**
8	26.67	1.050	50	**2444130000**
9	30.48	1.200	50	**2444140000**
10	34.29	1.350	50	**2444150000**
11	38.10	1.500	50	**2444160000**
12	41.91	1.650	50	**2444170000**

Additional deratings curves

BCL-SMT 3.81/../180 - SCZ 3.81/../180



BCZ 3.81/../180 - SCZ 3.81/../180



SCZ 3.81/../180 ZE



Inverted male plug with screw connection and strain relief for the connected wire.

- Wire-to-wire connection with female plugs.
- Board-to-wire connection with BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

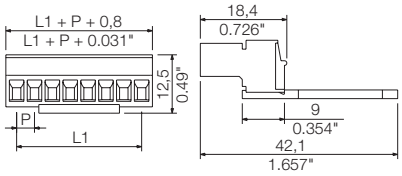
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCZ 3.81/../180GZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	10	10	
AWG conductor	AWG	28-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

Colour orange

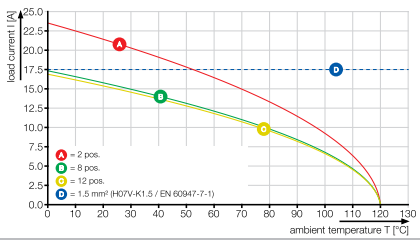
Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
4	11.43	0.450	50	1237000000
5	15.24	0.600	50	1237010000
6	19.05	0.750	50	1237020000
7	22.86	0.900	50	1237030000
8	26.67	1.050	50	1237040000
9	30.48	1.200	50	1237070000
10	34.29	1.350	50	1237080000
11	38.10	1.500	50	1237090000
12	41.91	1.650	50	1237100000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve

BCL-SMT 3.81/../90 - SCZ 3.81/../180



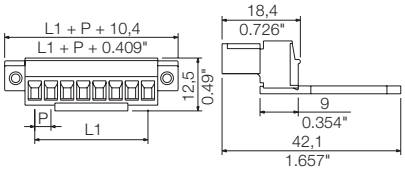
from 10 pole 2 strain reliefs per plug-in connector

SCZ 3.81/../180FZE

with screw flange and strain relief



Dimensioned drawing



Ordering data

Solder pin length

Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	11.43	0.450	50	**1237120000**
5	15.24	0.600	50	**1237130000**
6	19.05	0.750	50	**1237140000**
7	22.86	0.900	50	**1237170000**
8	26.67	1.050	50	**1237180000**
9	30.48	1.200	50	**1237190000**
10	34.29	1.350	50	**1237200000**
11	38.10	1.500	50	**1237210000**
12	41.91	1.650	50	**1237220000**

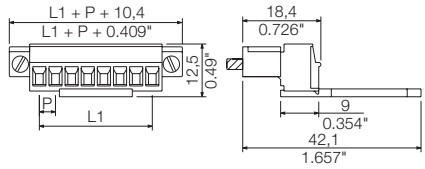
from 10 pole 2 strain reliefs per plug-in connector

SCZ 3.81/../180FIZE

with inverted screw flange and strain relief



Dimensioned drawing



Ordering data

Solder pin length

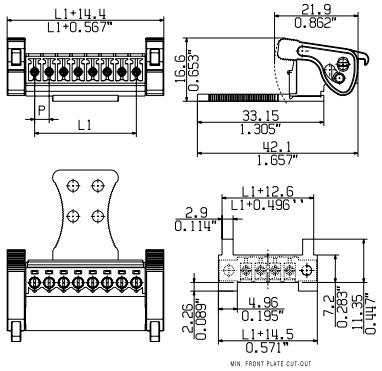
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	11.43	0.450	50	**1237550000**
5	15.24	0.600	50	**1237560000**
6	19.05	0.750	50	**1237570000**
7	22.86	0.900	50	**1237580000**
8	26.67	1.050	50	**1237590000**
9	30.48	1.200	50	**1237610000**
10	34.29	1.350	50	**1237620000**
11	38.10	1.500	50	**1237630000**
12	41.91	1.650	50	**1237640000**

from 10 pole 2 strain reliefs per plug-in connector

SCZ 3.81/../180LRZE



Dimensioned drawing



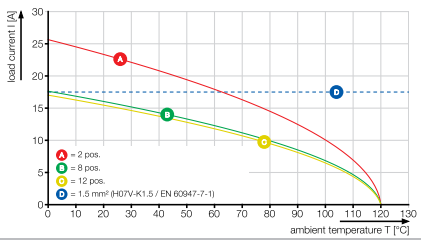
Ordering data

Solder pin length

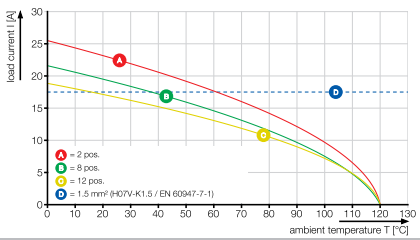
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	11.43	0.450	50	**2444240000**
5	15.24	0.600	50	**2444220000**
6	19.05	0.750	50	**2444270000**
7	22.86	0.900	50	**2444200000**
8	26.67	1.050	50	**2444260000**
9	30.48	1.200	50	**2444230000**
10	34.29	1.350	50	**2444290000**
11	38.10	1.500	50	**2444250000**
12	41.91	1.650	50	**2444280000**

Additional deratings curves

BCL-SMT 3.81/../180 - SCZ 3.81/../180

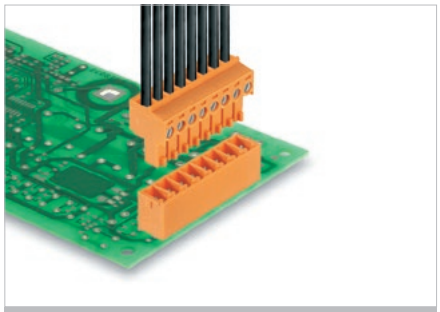


BCZ 3.81/../180 - SCZ 3.81/../180



J

BCZ 3.81/../180



Female plug with screw connection. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

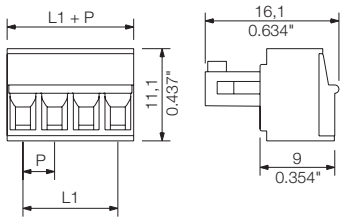
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCZ 3.81/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	8	8	
AWG conductor	AWG	28-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

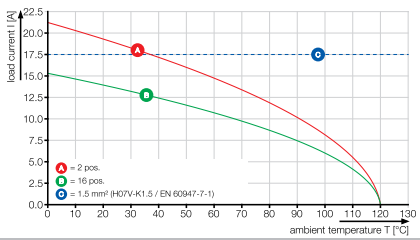
Hood		Order No.
	BCZ 3.81 AH03 BK BX	1005280000
	BCZ 3.81 AH04 BK BX	1005290000
	BCZ 3.81 AH05 BK BX	1005300000
	BCZ 3.81 AH06 BK BX	1005310000
	BCZ 3.81 AH07 BK BX	1005320000
	BCZ 3.81 AH08 BK BX	1005330000
	BCZ 3.81 AH09 BK BX	1005340000
	BCZ 3.81 AH10 BK BX	1005350000
	BCZ 3.81 AH12 BK BX	1005370000
	BCZ 3.81 AH13 BK BX	1005380000
	BCZ 3.81 AH14 BK BX	1005390000
	BCZ 3.81 AH15 BK BX	1005400000
	BCZ 3.81 AH16 BK BX	1005410000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour				orange
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	50	1940730000
3	7.62	0.300	50	1940740000
4	11.43	0.450	50	1940750000
5	15.24	0.600	50	1940760000
6	19.05	0.750	50	1940770000
7	22.86	0.900	50	1940780000
8	26.67	1.050	50	1940790000
9	30.48	1.200	50	1940800000
10	34.29	1.350	50	1940810000
11	38.10	1.500	50	1940820000
12	41.91	1.650	50	1940830000

Representative deratings curve

BCZ 3.81/../180 - SC-SMT 3.81/../90

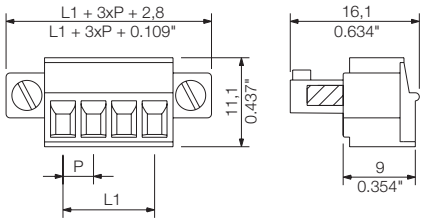


BCZ 3.81/../180F

with screw flange



Dimensioned drawing



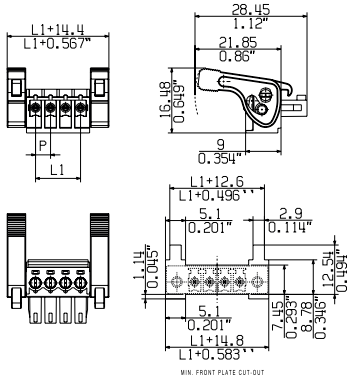
Ordering data

Solder pin length				
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1941010000
3	7.62	0.300	50	1941020000
4	11.43	0.450	50	1941030000
5	15.24	0.600	50	1941040000
6	19.05	0.750	50	1941050000
7	22.86	0.900	50	1941060000
8	26.67	1.050	50	1941070000
9	30.48	1.200	50	1941080000
10	34.29	1.350	50	1941090000
11	38.10	1.500	50	1941100000
12	41.91	1.650	50	1941110000

BCZ 3.81/../180LR



Dimensioned drawing

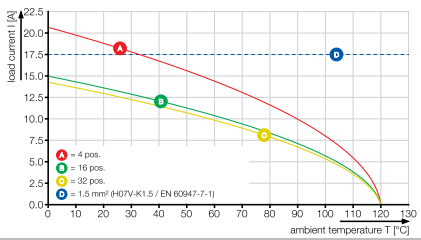


Ordering data

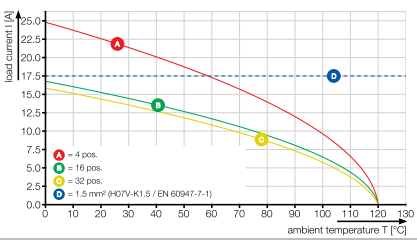
Solder pin length				
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	2442360000
3	7.62	0.300	50	2442370000
4	11.43	0.450	50	2442310000
5	15.24	0.600	50	2442320000
6	19.05	0.750	50	2442330000
7	22.86	0.900	50	2442340000
8	26.67	1.050	50	2442380000
9	30.48	1.200	50	2442390000
10	34.29	1.350	50	2442400000
11	38.10	1.500	50	2442350000
12	41.91	1.650	50	2442410000

Additional deratings curves

BCZ 3.81/../180 - SCD-THR 3.81/../90



BCZ 3.81/../180 - SCDV-THR 3.81/../180



BCZ 3.81/../180 ZE



Female plug with screw connection and strain relief for the connected wire. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

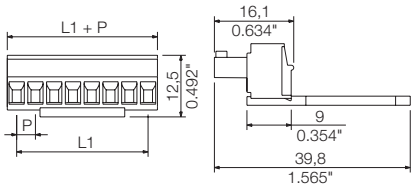
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCZ 3.81/../180ZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	8	8	
AWG conductor	AWG	28-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

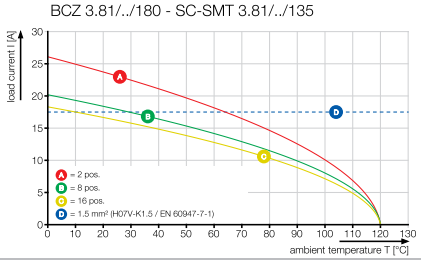
Colour orange

Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
5	15.24	0.600	50	1236270000
6	19.05	0.750	50	1236280000
7	22.86	0.900	50	1236290000
8	26.67	1.050	50	1236300000
9	30.48	1.200	50	1236320000
10	34.29	1.350	50	1236330000
11	38.10	1.500	50	1236340000
12	41.91	1.650	50	1236370000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



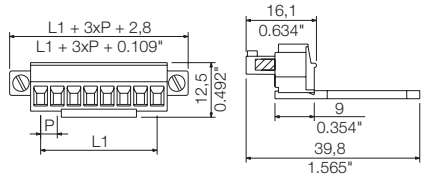
from 10 pole 2 strain reliefs per plug-in connector

BCZ 3.81/../180FZE

with screw flange and strain relief



Dimensioned drawing



Ordering data

Solder pin length

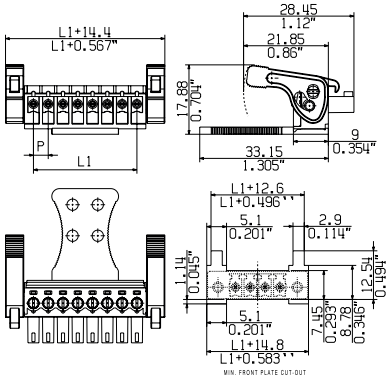
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
5	15.24	0.600	50	**1236530000**
6	19.05	0.750	50	**1236540000**
7	22.86	0.900	50	**1236570000**
8	26.67	1.050	50	**1236590000**
9	30.48	1.200	50	**1236600000**
10	34.29	1.350	50	**1236610000**
11	38.10	1.500	50	**1236620000**
12	41.91	1.650	50	**1236630000**

from 10 pole 2 strain reliefs per plug-in connector

BCZ 3.81/../180LRZE



Dimensioned drawing



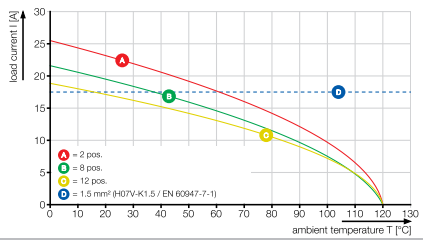
Ordering data

Solder pin length

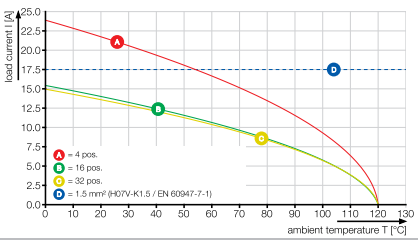
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
5	15.24	0.600	50	**2442030000**
6	19.05	0.750	50	**2442260000**
7	22.86	0.900	50	**2442210000**
8	26.67	1.050	50	**2442290000**
9	30.48	1.200	50	**2442300000**
10	34.29	1.350	50	**2442240000**
11	38.10	1.500	50	**2442220000**
12	41.91	1.650	50	**2442270000**

Additional deratings curves

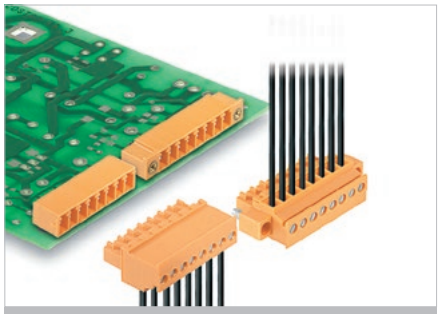
BCZ 3.81/../180 - SCZ 3.81/../180



BCZ 3.81/../180 - SCDV 3.81/../90



BCZ 3.81/../90 & 270



Female plug with screw connection.
Wire outlet direction:

- 90° – wire perpendicular to plugging direction and above
- 270° – wire perpendicular to plugging direction and below
- Available in closed version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

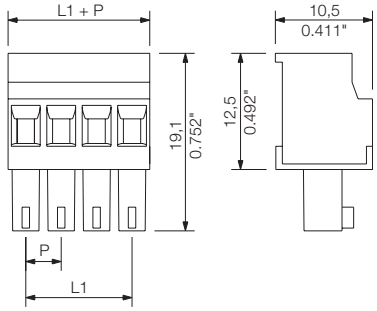
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCZ 3.81/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...1.5		
Solid core H05(07) V-U	**mm²**	**0.2...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...1.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**28-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	8	8	
AWG conductor	AWG	28-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length

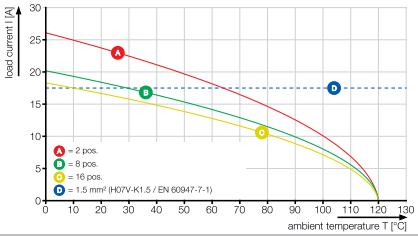
Colour orange

Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1939820000
3	7.62	0.300	50	1939830000
4	11.43	0.450	50	1939840000
5	15.24	0.600	50	1939860000
6	19.05	0.750	50	1939870000
7	22.86	0.900	50	1939880000
8	26.67	1.050	50	1939890000
9	30.48	1.200	50	1939900000
10	34.29	1.350	50	1939910000
11	38.10	1.500	50	1939920000
12	41.91	1.650	50	1939930000

Representative deratings curve

BCZ 3.81/../90 & /270 - SC-SMT 3.81/../135

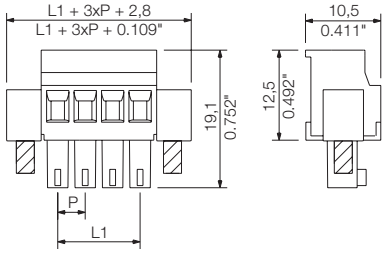


BCZ 3.81/../90F

with screw flange



Dimensioned drawing



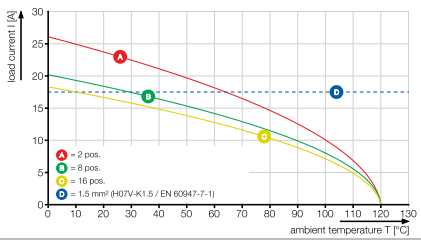
Ordering data

Solder pin length

Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1939980000**
3	7.62	0.300	50	**1939990000**
4	11.43	0.450	50	**1940000000**
5	15.24	0.600	50	**1940010000**
6	19.05	0.750	50	**1940020000**
7	22.86	0.900	50	**1940030000**
8	26.67	1.050	50	**1940040000**
9	30.48	1.200	50	**1940050000**
10	34.29	1.350	50	**1940060000**
11	38.10	1.500	50	**1940070000**
12	41.91	1.650	50	**1940080000**

Additional deratings curves

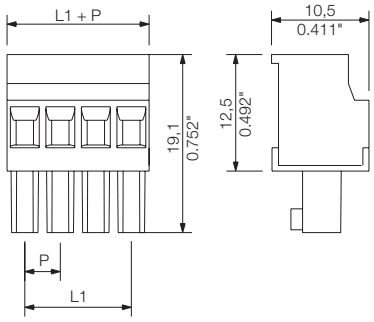
BCZ 3.81/../90 & /270 - SC 3.81/../135



BCZ 3.81/../270



Dimensioned drawing



Ordering data

Solder pin length

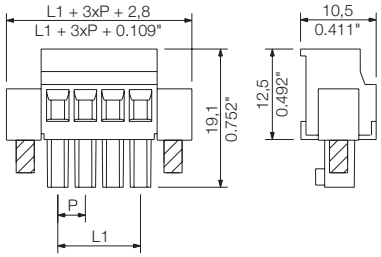
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1940190000**
3	7.62	0.300	50	**1940200000**
4	11.43	0.450	50	**1940210000**
5	15.24	0.600	50	**1940220000**
6	19.05	0.750	50	**1940230000**
7	22.86	0.900	50	**1940240000**
8	26.67	1.050	50	**1940250000**
9	30.48	1.200	50	**1940260000**
10	34.29	1.350	50	**1940270000**
11	38.10	1.500	50	**1940280000**
12	41.91	1.650	50	**1940290000**

BCZ 3.81/../270F

with screw flange



Dimensioned drawing

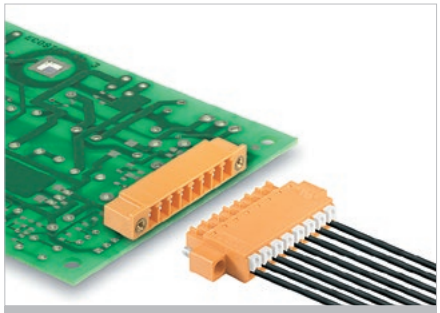


Ordering data

Solder pin length

Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1940460000**
3	7.62	0.300	50	**1940470000**
4	11.43	0.450	50	**1940480000**
5	15.24	0.600	50	**1940490000**
6	19.05	0.750	50	**1940500000**
7	22.86	0.900	50	**1940510000**
8	26.67	1.050	50	**1940520000**
9	30.48	1.200	50	**1940530000**
10	34.29	1.350	50	**1940540000**
11	38.10	1.500	50	**1940550000**
12	41.91	1.650	50	**1940560000**

BCF 3.81/../180



Female plug with PUSH IN wire connection.
- Simply insert the wire and it's ready.
- Integrated push-button for opening the terminal point
- High component density because of very low height, especially when combined with the compact double-level SCDN / SCDN-THR male header.
- Available in closed version, with screw flange (F) and lock an release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

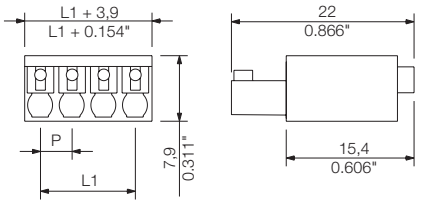
Note:

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCF 3.81/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.14...1.5		
Solid core H05(07) V-U	**mm²**	**0.14...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.14...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1		
Stripping length	mm	9		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**26-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	10		10
AWG conductor	AWG	26-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length

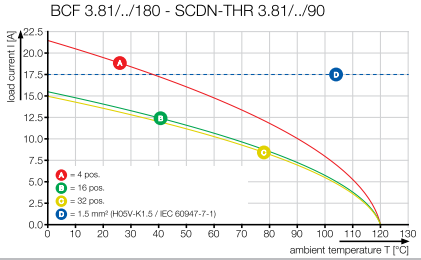
Colour orange

Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1969090000
3	7.62	0.300	50	1969100000
4	11.43	0.450	50	1969110000
5	15.24	0.600	50	1969120000
6	19.05	0.750	50	1969130000
7	22.86	0.900	50	1969140000
8	26.67	1.050	50	1969150000
9	30.48	1.200	50	1969160000
10	34.29	1.350	50	1969170000
11	38.10	1.500	50	1969180000
12	41.91	1.650	50	1969190000

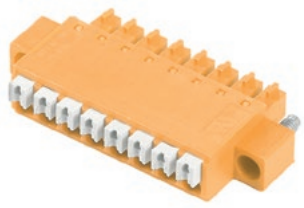
Representative deratings curve

BCF 3.81/../180 - SCDN-THR 3.81/../90

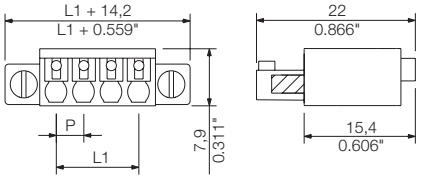


BCF 3.81/../180F

with screw flange



Dimensioned drawing



Ordering data

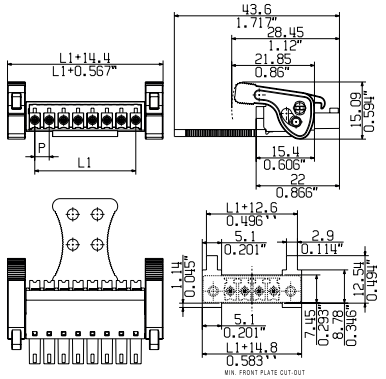
Solder pin length

Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**1970300000**
3	7.62	0.300	50	**1970330000**
4	11.43	0.450	50	**1970370000**
5	15.24	0.600	50	**1970380000**
6	19.05	0.750	50	**1970400000**
7	22.86	0.900	50	**1970440000**
8	26.67	1.050	50	**1970550000**
9	30.48	1.200	50	**1970570000**
10	34.29	1.350	50	**1970580000**
11	38.10	1.500	50	**1970620000**
12	41.91	1.650	50	**1970650000**

BCF 3.81/../180LR



Dimensioned drawing



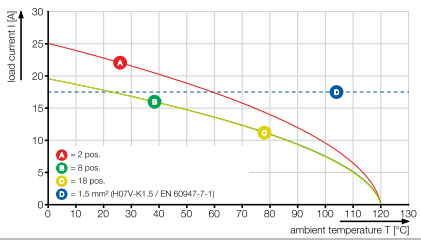
Ordering data

Solder pin length

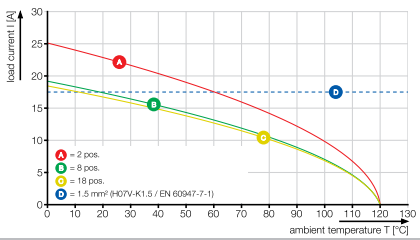
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	3.81	0.150	50	**2442040000**
3	7.62	0.300	50	**2442610000**
4	11.43	0.450	50	**2442620000**
5	15.24	0.600	50	**2442630000**
6	19.05	0.750	50	**2442640000**
7	22.86	0.900	50	**2442650000**
8	26.67	1.050	50	**2442660000**
9	30.48	1.200	50	**2442670000**
10	34.29	1.350	50	**2442680000**
11	38.10	1.500	50	**2442690000**
12	41.91	1.650	50	**2442700000**

Additional deratings curves

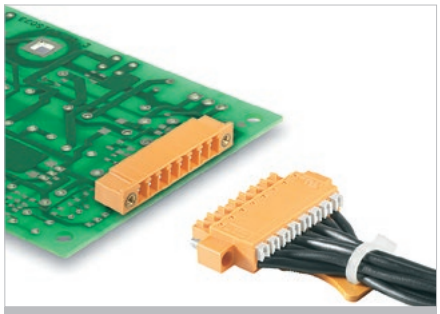
BCF 3.81/../180 - SC 3.81/../90



BCF 3.81/../180 - SC 3.81/../180



BCF 3.81/../180 ZE



Female plug with strain relief (ZE) for the connected wire.

- PUSH IN wire connection method
- Simply insert the prepared wire and attach the strain relief mechanism
- Intuitive handling - since the wire-entry area and handling area are clearly separated.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

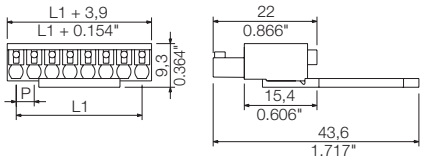
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCF 3.81/../180ZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.14...1.5		
Solid core H05(07) V-U	**mm²**	**0.14...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.14...1.5		
Flexible with ferrule	mm²	0.25...1.5		
Ferrule with plastic collar	mm²	0.25...1		
Stripping length	mm	9		
Screwdriver blade	mm	0.4 x 2.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	1		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**26-16**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	10		10
AWG conductor	AWG	26-16		
General data				
Type of insulation material		PA 66 GF 30		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length

Colour orange

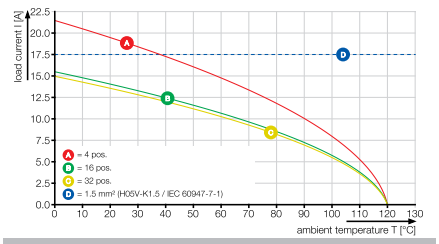
Pitch 3.81 mm

Pol.	L1	(inch)	Qty.	Order No.
5	15.24	0.600	50	1235790000
6	19.05	0.750	50	1235800000
7	22.86	0.900	50	1235810000
8	26.67	1.050	50	1235820000
9	30.48	1.200	50	1235830000
10	34.29	1.350	50	1235840000
11	38.10	1.500	50	1235870000
12	41.91	1.650	50	1235880000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve

BCF 3.81/../180 - SCDN 3.81/../90



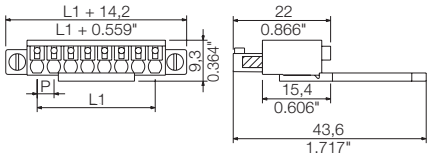
from 10 pole 2 strain reliefs per plug-in connector

BCF 3.81/../180FZE

with screw flange and strain relief



Dimensioned drawing



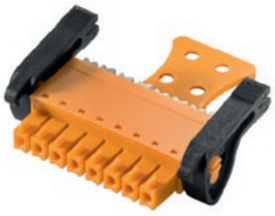
Ordering data

Solder pin length

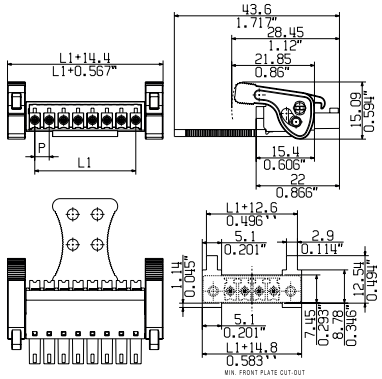
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
5	15.24	0.600	50	**1235970000**
6	19.05	0.750	50	**1235980000**
7	22.86	0.900	50	**1235990000**
8	26.67	1.050	50	**1236000000**
9	30.48	1.200	50	**1236010000**
10	34.29	1.350	50	**1236020000**
11	38.10	1.500	50	**1236030000**
12	41.91	1.650	50	**1236040000**

from 10 pole 2 strain reliefs per plug-in connector

BCF 3.81/../180LRZE



Dimensioned drawing



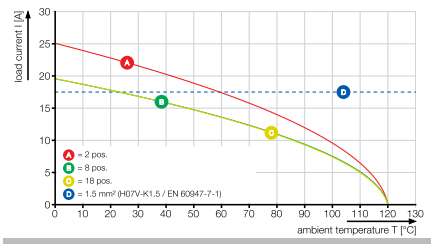
Ordering data

Solder pin length

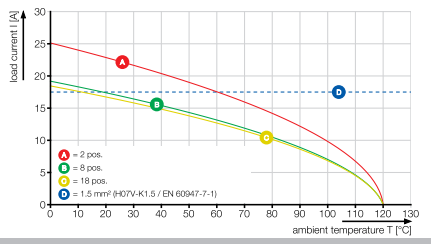
Colour				orange
Pitch	**3.81 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
5	15.24	0.600	50	**2442960000**
6	19.05	0.750	50	**2443010000**
7	22.86	0.900	50	**2443060000**
8	26.67	1.050	50	**2443020000**
9	30.48	1.200	50	**2443030000**
10	34.29	1.350	50	**2442910000**
11	38.10	1.500	50	**2442920000**
12	41.91	1.650	50	**2443050000**

Additional deratings curves

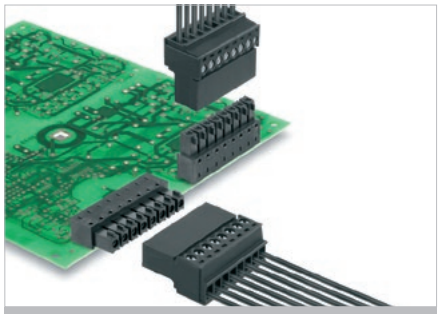
BCF 3.81/../180 - SC 3.81/../90



BCF 3.81/../180 - SC 3.81/../180



BCL-SMT 3.81/../90



Inverted female headers for:
- Touch-safety on the circuit board with board-to-wire connection (with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 90°
- Available in closed version with screw Flange (F) and inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

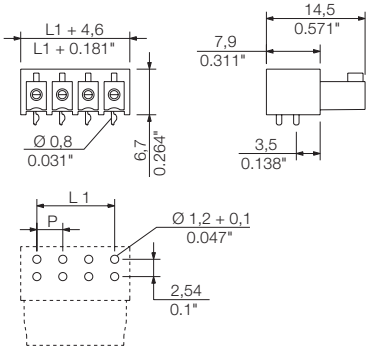
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCL-SMT 3.81/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	11	11	
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8	
Solder eyelet Ø = D	mm		1.2	
Solder eyelet Ø tolerance	mm		+ 0,1	

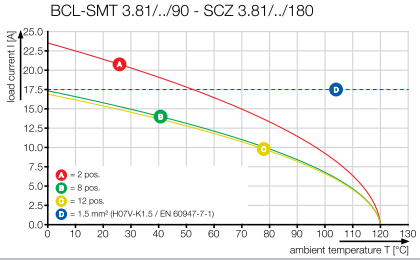
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	50	1974750000
3	7.62	0.300	50	1974770000
4	11.43	0.450	50	1974780000
5	15.24	0.600	50	1974800000
6	19.05	0.750	50	1974820000
7	22.86	0.900	50	1974840000
8	26.67	1.050	50	1974850000
9	30.48	1.200	50	1974880000
10	34.29	1.350	50	1974890000
11	38.10	1.500	50	1974910000
12	41.91	1.650	50	1974930000

Representative deratings curve

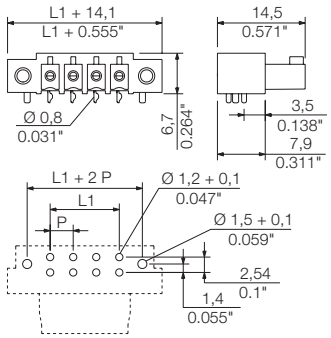


BCL-SMT 3.81/../90LFI

with inverted solder flange



Dimensioned drawing



Ordering data

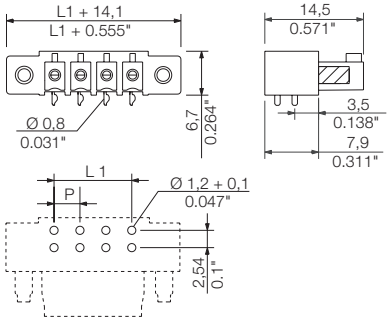
Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1028720000
3	7.62	0.300	50	1028730000
4	11.43	0.450	50	1028740000
5	15.24	0.600	50	1028750000
6	19.05	0.750	50	1028760000
7	22.86	0.900	50	1028770000
8	26.67	1.050	50	1028790000
9	30.48	1.200	50	1028810000
10	34.29	1.350	50	1028820000
11	38.10	1.500	50	1028830000
12	41.91	1.650	50	1028840000

BCL-SMT 3.81/../90F

with screw flange



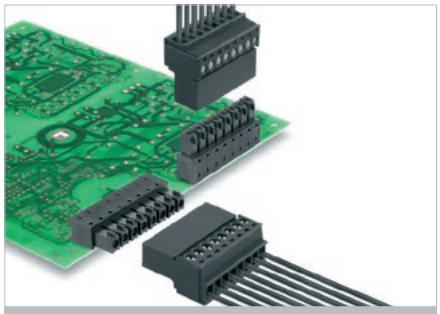
Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1975690000
3	7.62	0.300	50	1975700000
4	11.43	0.450	50	1975710000
5	15.24	0.600	50	1975730000
6	19.05	0.750	50	1975740000
7	22.86	0.900	50	1975750000
8	26.67	1.050	50	1975760000
9	30.48	1.200	50	1975780000
10	34.29	1.350	50	1975790000
11	38.10	1.500	50	1975820000
12	41.91	1.650	50	1975830000

BCL-SMT 3.81/../180



Inverted female headers for:
- Touch-safety on the circuit board with board-to-wire (when connecting with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 180°
- Available in closed version and with invertetd solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

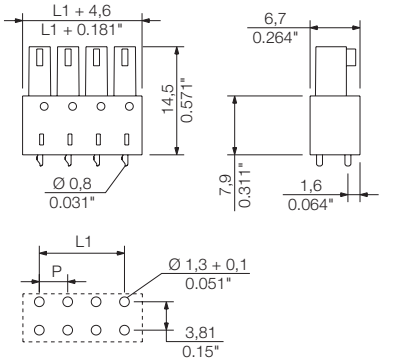
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCL-SMT 3.81/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**17.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**160**	**160**	**320**
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	
Rated current	A	11	11	
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8	
Solder eyelet Ø = D	mm		1.2	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

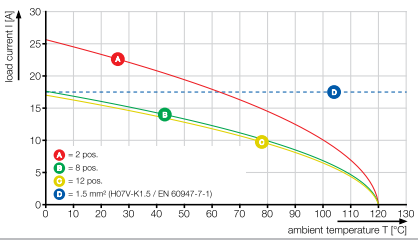
Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	3.81	0.150	50	1976490000
3	7.62	0.300	50	1976500000
4	11.43	0.450	50	1976520000
5	15.24	0.600	50	1976530000
6	19.05	0.750	50	1976550000
7	22.86	0.900	50	1976570000
8	26.67	1.050	50	1976580000
9	30.48	1.200	50	1976590000
10	34.29	1.350	50	1976610000
11	38.10	1.500	50	1976620000
12	41.91	1.650	50	1976640000

Representative deratings curve

BCL-SMT 3.81/../180 - SCZ 3.81/../180

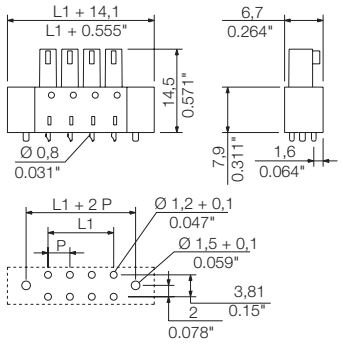


BCL-SMT 3.81/../180LFI

with inverted solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**3.81 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1029260000
3	7.62	0.300	50	1029270000
4	11.43	0.450	50	1029280000
5	15.24	0.600	50	1029290000
6	19.05	0.750	50	1029310000
7	22.86	0.900	50	1029320000
8	26.67	1.050	50	1029330000
9	30.48	1.200	50	1029340000
10	34.29	1.350	50	1029350000
11	38.10	1.500	50	1029360000
12	41.91	1.650	50	1029370000

OMNIMATE® Signal
PCB connectors in 5.00 mm and 5.08 mm pitch

OMNIMATE® Signal
PCB connectors in 5.00 mm and 5.08 mm pitch

Connectors in 5.00 mm pitch and 5.08 mm pitch

Explanation	K.2
Quick selection 5.00 mm	K.14
Quick selection 5.08 mm	K.16
Product selection 5.00 mm	K.22
Product selection 5.08 mm	K.50

Male header SL-SMT 5.0x HC

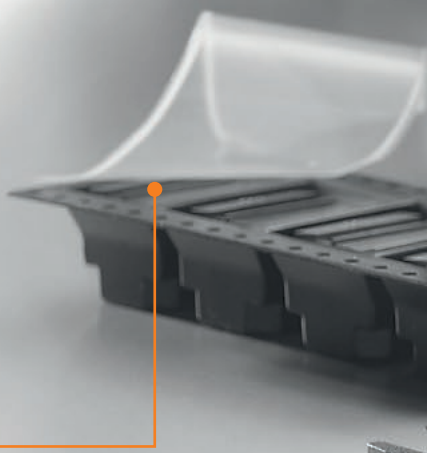
The connecting element in the reflow process



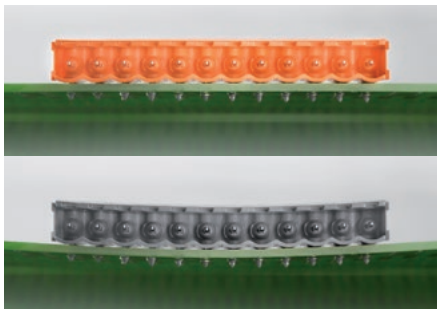
Optimised for SMT (Surface Mount Technology)

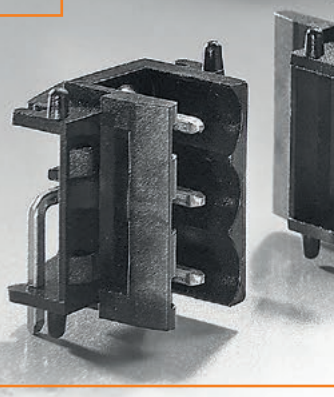
Innovative, application oriented male headers made from high temperature insulating material LCP (Liquid crystal polymer) permits seamless integration of the connections into the automated SMT production process, including reflow soldering. HC represents additional performance.

The comprehensive portfolio impresses with significant gains in efficiency in assembly production, i.e. a reduction of manufacturing costs of up to 30 %, with increased process security and proven reliability.

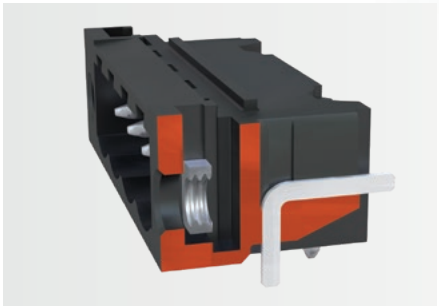


Absolute process reliability
Using glass-fibre reinforced plastic with the SL 5.08 HC and SL-SMT 5.08 pin headers ensures a high level of dimensional stability and prevents what is known as the "banana effect" – the printed-circuit board sagging – in the soldering process.





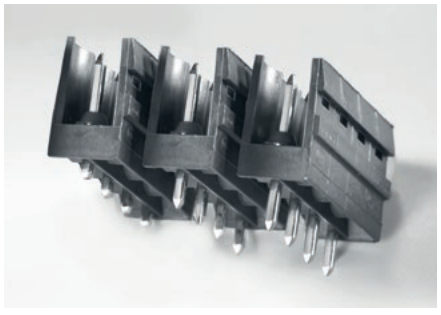
Standard-compliant fixing
More use with less effort: the soldering flange reduces 3 steps to one while protecting the soldering points from regular mechanical stress. A uniform drill hole diameter, no fixing of the fastening screw – additional fastening takes place automatically in the soldering process.



Delivered to fit your process:
Tape packaging with optimised tape pockets customised to match the width and pole count: this ensures that the feeders are used optimally and that the male headers are securely positioned on the tape.

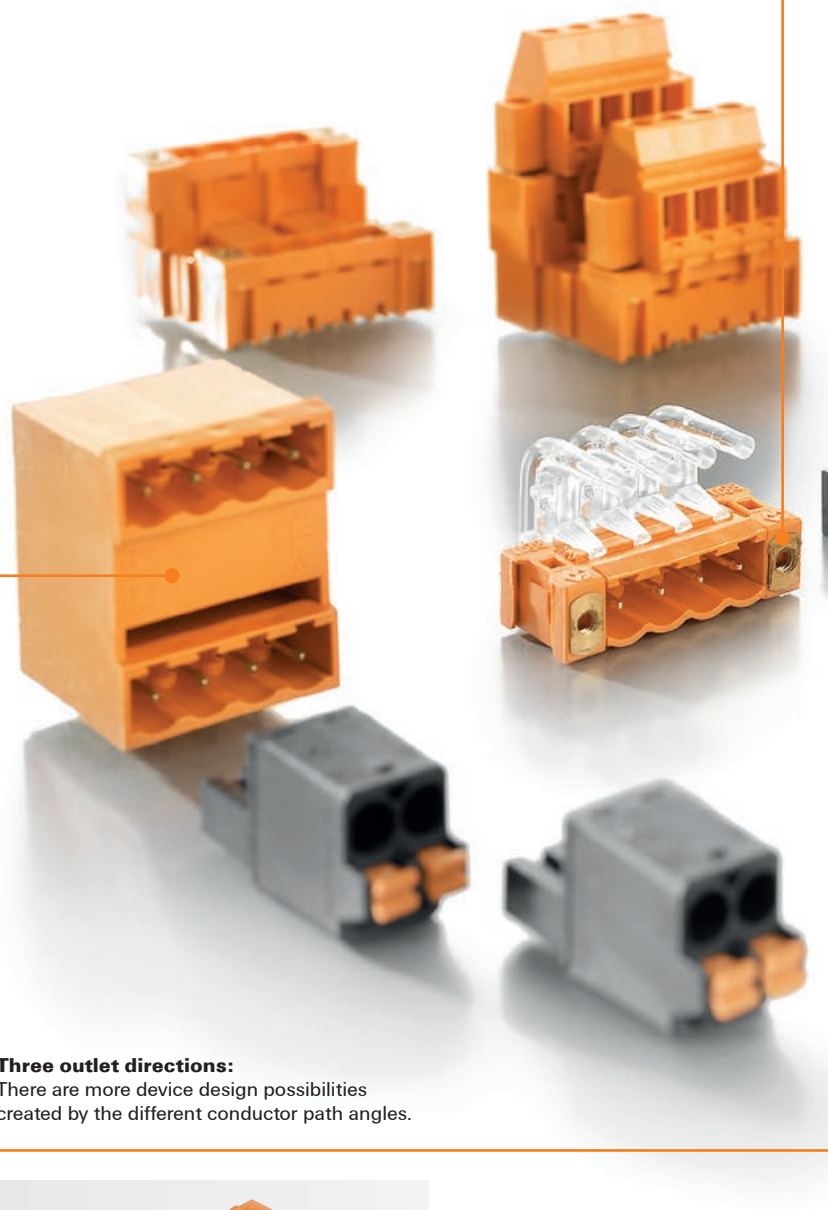


Specified to fit your application:
1.5 mm short pins for flush solder joints permit PCB assembly on both sides in accordance with IPC A-610 and also reduces the solder paste volume significantly. At the same time, the required stroke length of the Pick & Place machine is reduced to a minimum. As an alternative, 3.2 mm pins are available for PCBs thicker than 1.6 mm.

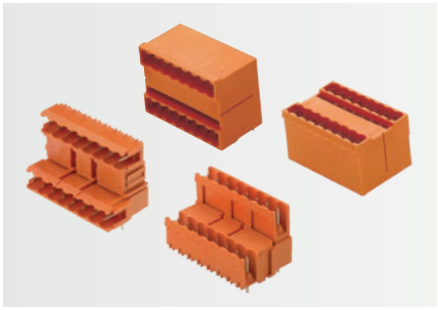


Male header SL 5.00 / SL 5.08 HC
Optimised for wave soldering

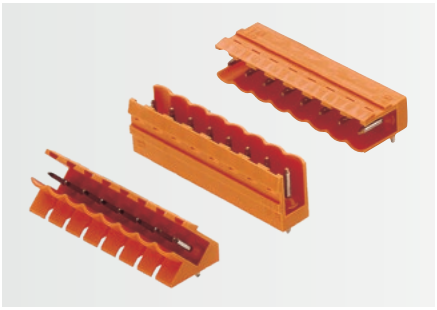
These male headers in 5.00 mm and 5.08 mm pitch with the characteristic wave design in the mating face are the standard headers used in industrial automation. This male header has already enjoyed decades of market success; it is the basis for device connection systems for both wave and manual soldering.
HC represents additional performance.



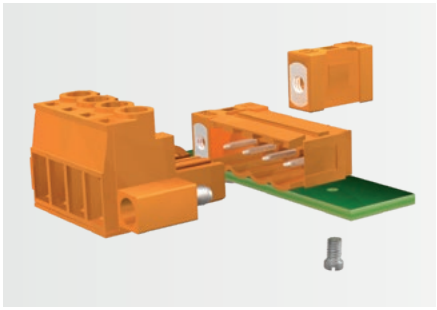
Increased density for device connections:
You can maximise connection density by using double level male headers together with your choice of connection systems on the field side.



Three outlet directions:
There are more device design possibilities created by the different conductor path angles.



Safe under vibration and shock
- Vibration proof connection between male header and female plug
- The male header can also be screwed to the PCB
- Available with gold-plated surfaces





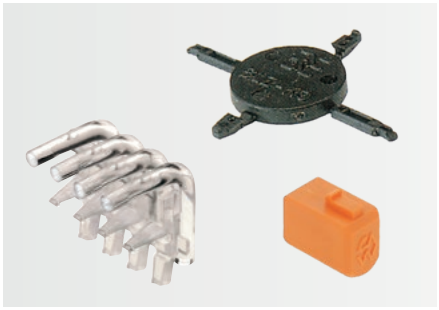
Specified to fit your assembly process
Gold-plated male headers have gold plating on the functional surfaces but not on the solder surfaces. This prevents contamination of the solder bath.



Integrated to fit your design
Adaptable connection system - the colour of the plug connectors fits to the device design and not the other way around.



Extensive accessories
- Light guides carry signals from the PCB LEDs to the front plate
- Partitions can be used to visually separate the different functional areas of the male header.
- All male headers can be manually coded or ordered as pre-coded headers.

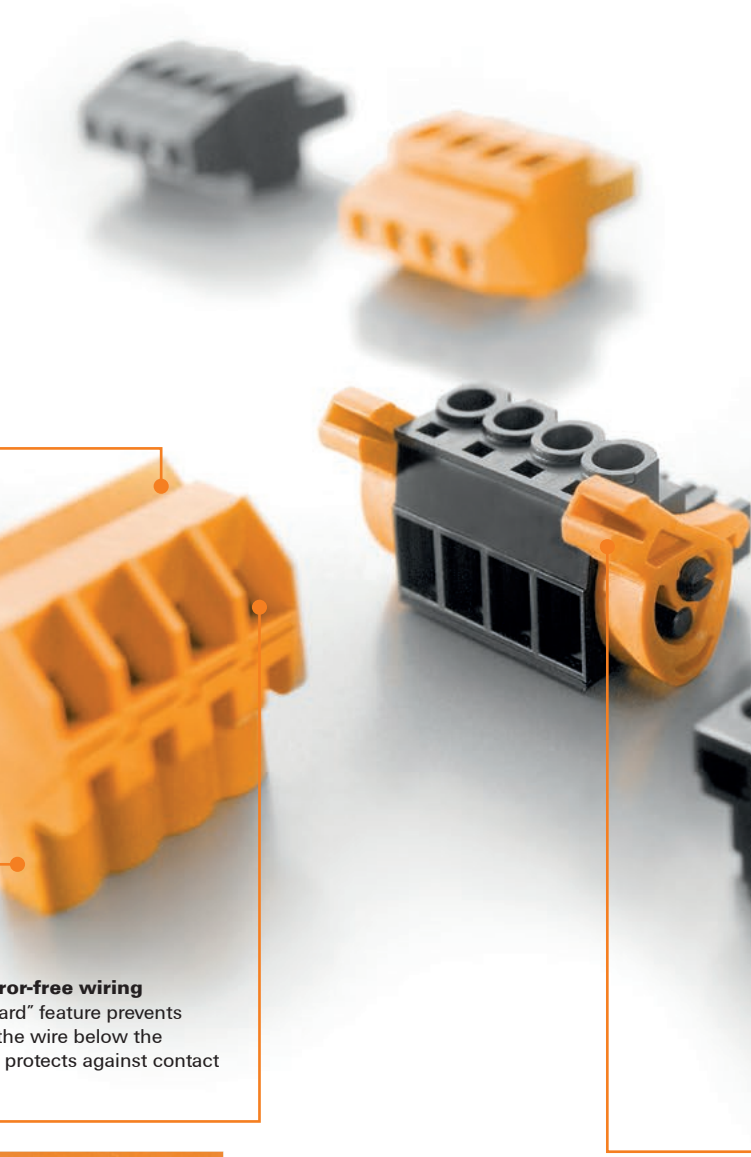


Female plug BLZP 5.0x HC

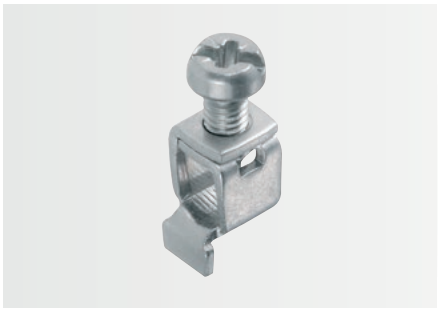
Pluggable, universal screw connection

The BLZP is the functional extension of the BLZ series, which has proven itself on the market for decades.

The "P" in the part name stands for a "plus" in security and the "HC" a "plus" in performance during processing and usage.
Resulting from this are additional customer benefits, such as a continuous function and safety chain, increased efficiency and process reliability and much more user friendly operation.



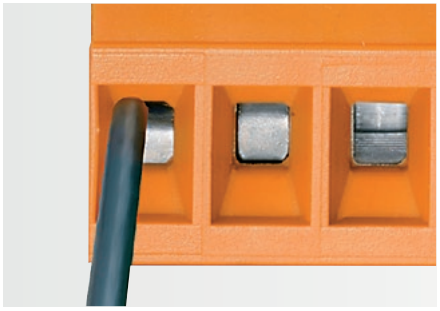
Folded steel clamping yoke
When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area. This ensures a maintenance free and durable gas-tight connection. In addition, the elastic behaviour of the clamping yoke compensates for the setting of the connected wire and any temperature induced deviations.



Hybrid contacts
The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



Safe connection – error-free wiring
The integrated "wire guard" feature prevents dangerous insertion of the wire below the clamping area and thus protects against contact or insertion errors.

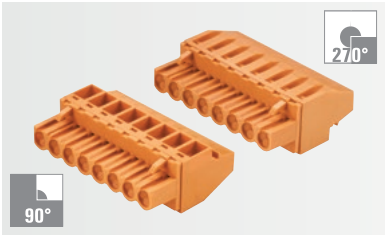


Safe contacting – universal operation
The globally compatible screw head (in conformity with ISO 2880/2, ISO 8764/2-PH and ISO 8764/2-PHZ) that fits all tools – for non-positive and uncomplicated operation with common hand tools or the efficient use of power tools.





Conductor outlet direction up/down



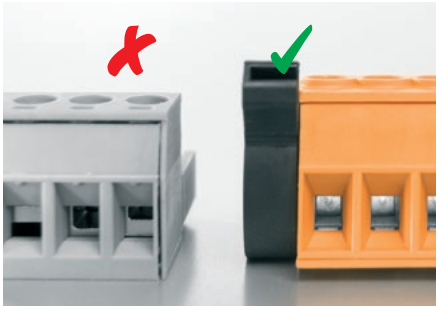
Conductor outlet direction straight/inclined



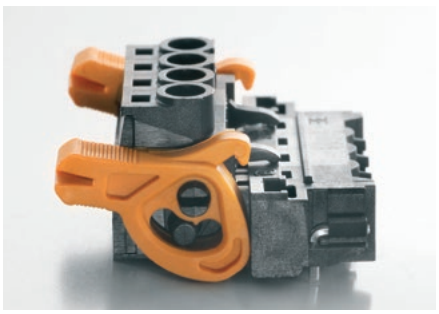
Locking options
F = screw flange / **LR** = Lock & Release lever



Process-compatible by default – economical processing
Unpack – wire ready – connect up. Our wire-ready technology makes sure that all connecting points are completely opened when delivered, even after global transport (in conformity with ISO 13355).



Securely lock – simply release
Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



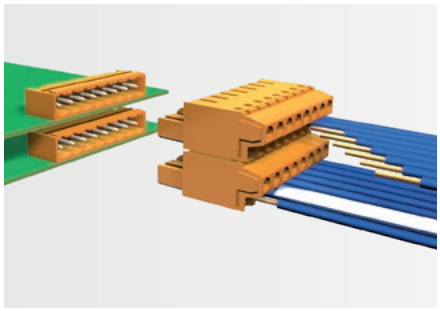
Female plug BLT 5.08 HC

The specialist for tight installation spaces

The BLT range is the most compact TOP connection of its type available in 5.08 mm pitch. This greatly simplifies device design because the cable entry and screw are located in the same plane of the plug-in connector. With the wire connection parallel to the circuit board, the BLT is specialised for use in limited installation spaces and high packing densities. HC represents additional performance.

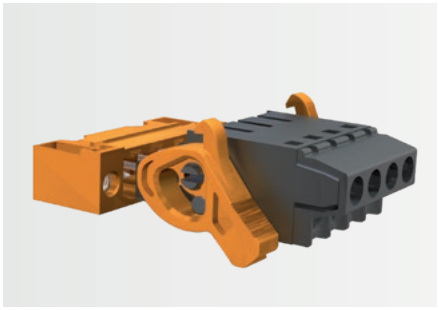
WIRE READY

High component density
Normal screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. However with the TOP connection system, the directions for wire entry and clamping operations are the same.

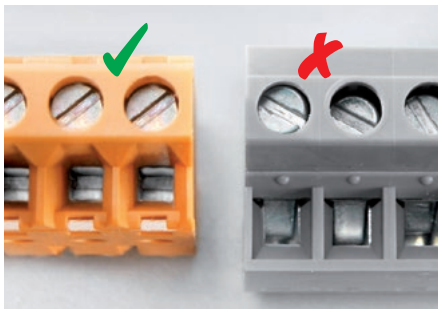


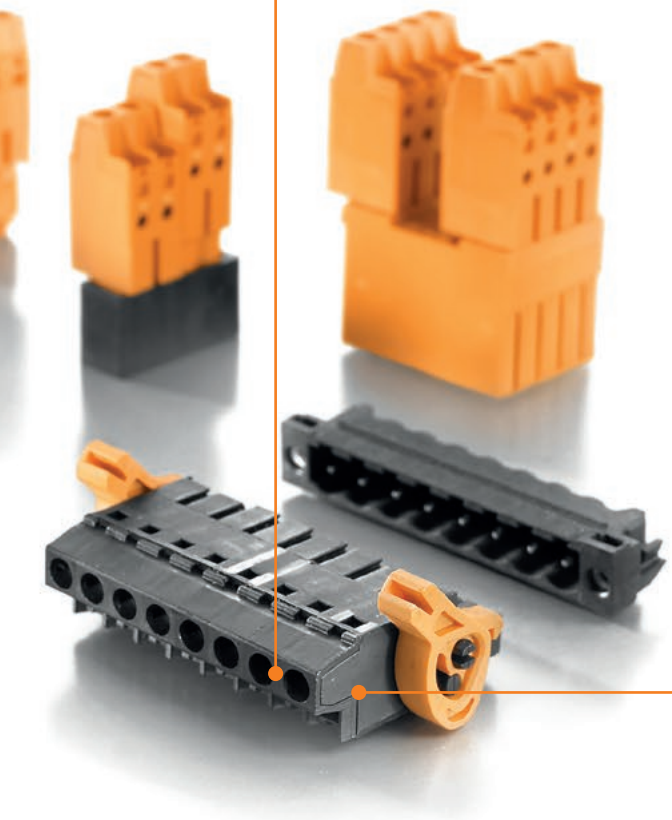
Hybrid contacts
For every function, the best material. The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.

Secure interlock and simple release
Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



Process-compatible by default – economical processing
Unpack – "Wire Ready" – Connect. The "Wire Ready" technology ensures that all clamping units are fully open on delivery, even after world-wide shipping.

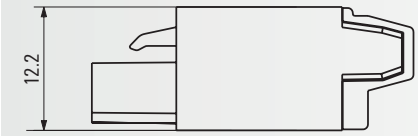




Safe to use with no-fault wiring:
The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point for a securely established contact.



Minimal height
With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.

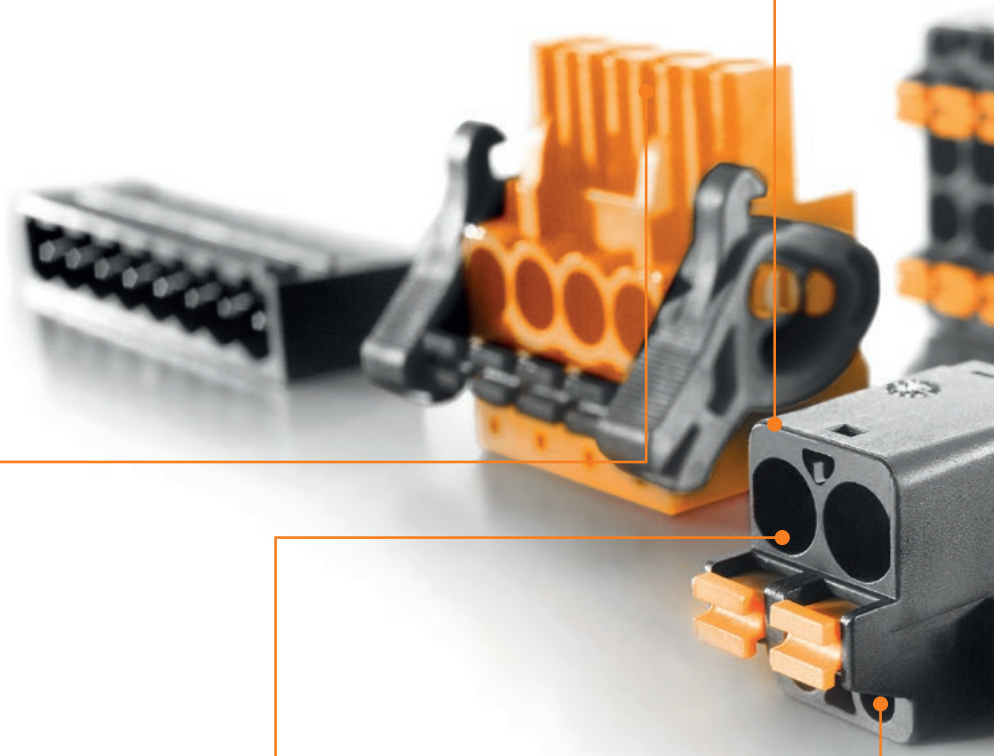


Female plug BLF 5.0x HC and BLDF 5.08

PUSH IN for fast conductor connection without any tools

PUSH IN

The quick PUSH IN connection is now also available in pitches of 5.00 mm and 5.08 mm. The products are simple, safe and can be used in a variety of applications: The plugs are available for all wire outlet directions (90°, 180° and 270°) and also as a double connector with integrated cross-connection for bus applications.
HC represents additional performance.
The hybrid contacts used in combination with PUSH IN guarantee a vibration resistant and maintenance free connection, even under extreme conditions.



Hybrid contacts
The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



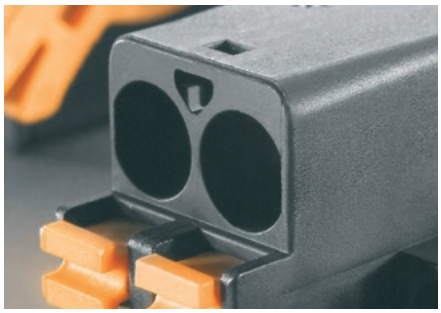
Can be tested at any time
Simplified functional testing using easily accessible diagnostic test points.

All-purpose usage
Very large clamping range from 0.2 mm² to 2.5 mm² –even when using ferrules with plastic collars.

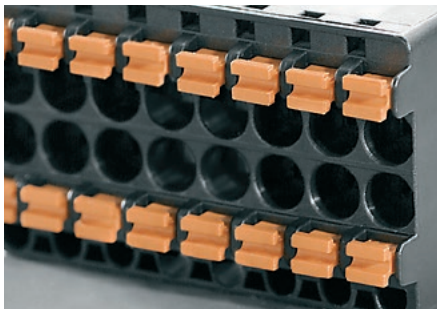




Safe to operate
Rounded edges and large, non-slip control buttons ensure user-friendly operation.



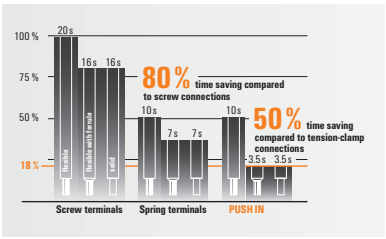
Extremely durable
The integrated cross-connector is designed for a low voltage drop and allows a powerful 22 A bus power which can supply a high number of notes in the bus system.



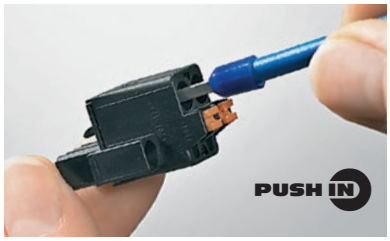


All-round safety
A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.

Directly plugged in



Simply fast
PUSH IN: tool-free connections of pre-prepared wires into the wire-entry funnel.
www.weidmueller.de/push-in



Simple and self-explanatory
Intuitive opening of the terminal point using conspicuous push buttons.



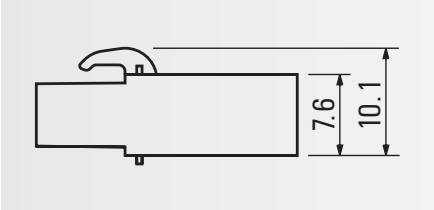
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Female plug BLC 5.08

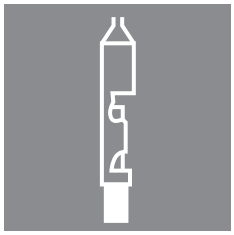
Cost effective and pre-assembled using a crimp connection

The BLC product family with crimp connections provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The contacts can be crimped by using hand tools or with a crimping machine in the factory when producing large batches.

Minimal height
With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.



Effective and cost-effective
By using high performance metals, a costly over-spring on the tulip contact can be avoided. This cost saving is passed directly to the customer.

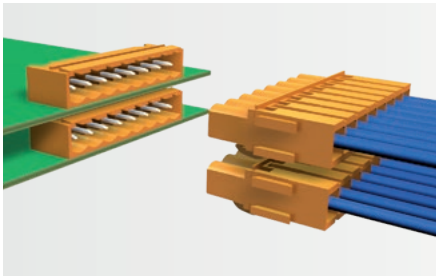


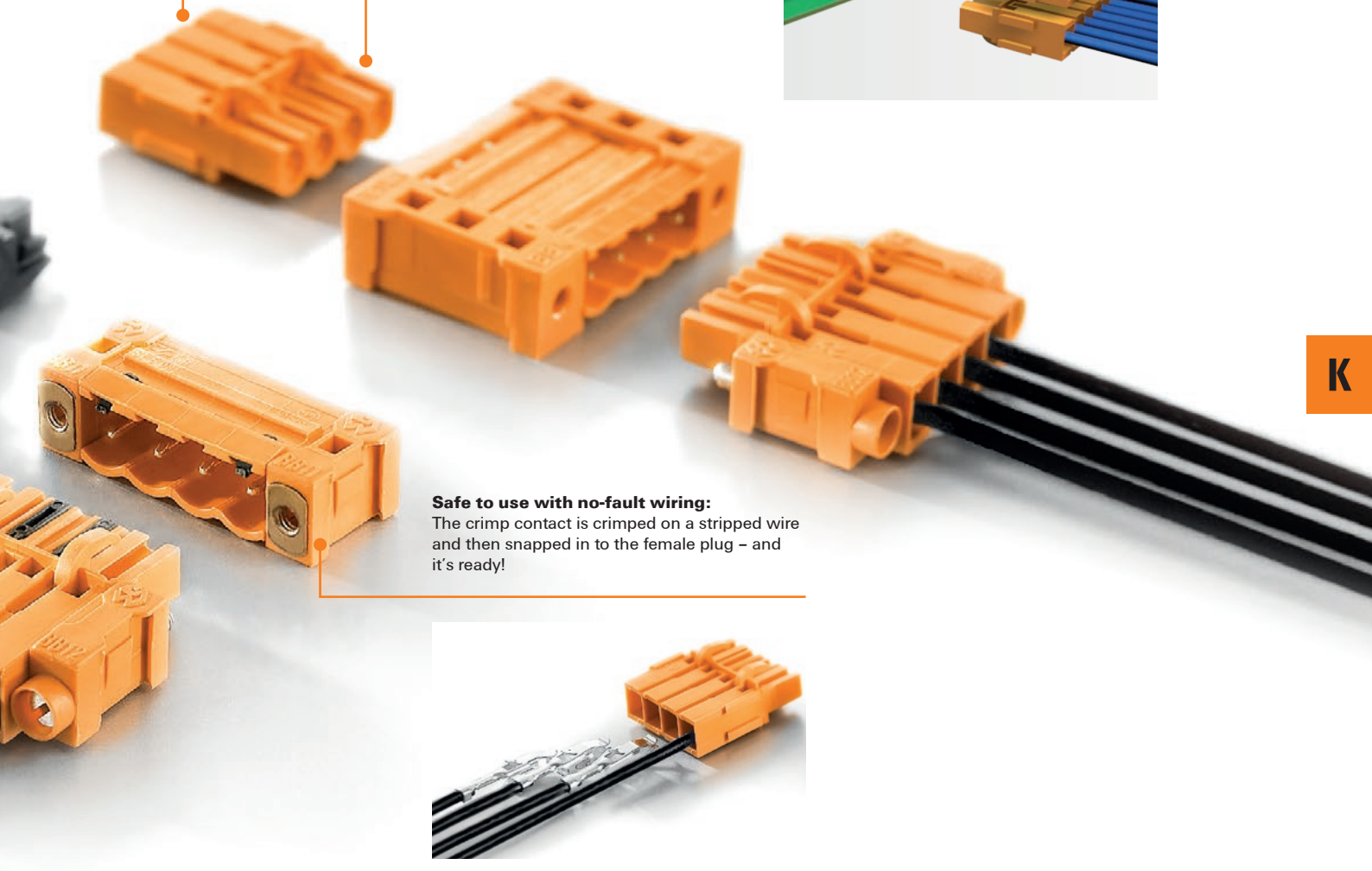
Process-compatible by default – economical processing
Delivery of the crimp contacts loose in bags, or as tape-packaged carrier strips. For the following conductor sizes: 0.22 to 0.35 mm², 0.50 to 1.00 mm², 1.50 to 2.50 mm².

Flexible for a variety of applications
Affordable machine crimping or with hand tools in the field.



High component density
Screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. In the crimp connector system, however, the conductor insertion and operation is parallel to the circuit board.

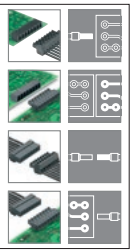




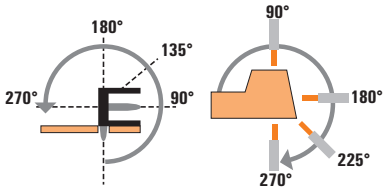
Safe to use with no-fault wiring:
The crimp contact is crimped on a stripped wire and then snapped in to the female plug – and it's ready!

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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire

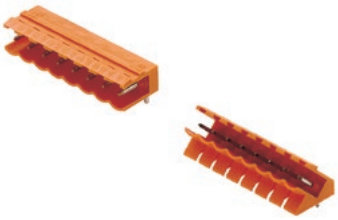


Orientation

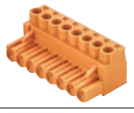


Male header

Solder connection



BL/SL 5.00 series

							Levels	1	
							Type	**SL**	**SL**
							Orientation	90°	135°
							Flange options	(O)/B	(O)/B
							IEC / UL	IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/17 A UL: 300 V/15 A
Female plug	Screw: Clamping yoke		**BLZP HC**	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12		○	○
			**BLZP HC**	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12		○	○
			**BLZP HC**	270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12		○	○
	Spring: PUSH IN		**BLF HC**	180°	(G)/F/LR	IEC:: 400 V/20.5 A/0.2 - 2.5 mm² UL: 300 V/10 A/AWG 26 - 12		○	○
			**BLF HC**	90°	(G)/F/LR	IEC:: 400 V/20 A/ 0.2 - 2.5 mm² UL: 300 V/10 A/ AWG 26 - 12		○	○

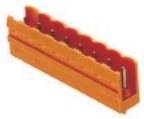
Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
LR = Lock & Release lever
HC = High current

* not included in the article description

Male header and plug:
(O)* = open
B = Dovetail for fixing blocks with a nut
G = closed
F = Screw flange with nut
LF = Solder flange with nut
GLF = closed with additional solder flange
FLF = Flange with nut and additional solder flange
HC = High current

Male header

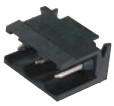
Solder connection





Reflow solder connection





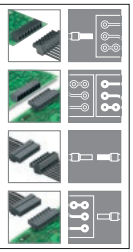


	1	2		1		1		2
	SL	**SLD**	**SLD**	**SL-SMT HC**	**SL-SMT HC**	**SL-SMarT HC**	**SL-SMarT HC**	**SLDV-THR**
	180°	90°	180°	90°	180°	90°	180°	180°
	(O)/B	G	G	(O)/G/LF	(O)/G/LF	(O)	(O)	G/GLF/F/FLF
	IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A
	○	○	○	○	○	○	○	○
	○			○	○	○	○	○
	○			○	○	○	○	
	○	○	○	○	○	○	○	○
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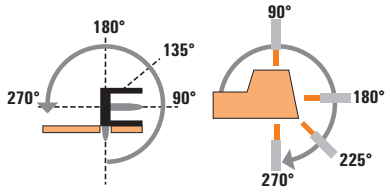
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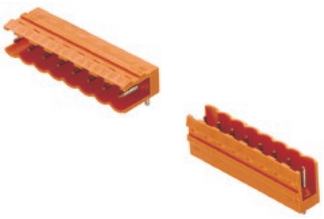
= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



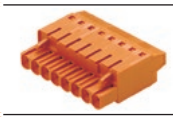
Orientation



Solder connection



BL/SL 5.08 series, Part 1 of 3

						Levels	1	
			Type				SL HC	SL HC
				Orientation			90°	180°
					Flange options		(O)/G/B/F/LF	(O)/G/B/F/LF
						IEC / UL	IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A
Female plug	Clamping yoke		BLZP HC	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	○
			BLZP HC	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	○
			BLZP HC	270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	○
			BLZP HC	225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	○
	TOP		BLT HC	180°	(G)/F/ LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm² UL: 300 V/10 A/AWG 26 - 14	○	○
	Clamping yoke (twin connector)		BLZ QV	180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm² UL: 300 V/15 A/AWG 26 - 14	○	○
Female header	Solder connection		BLL	90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	●	●
			BLL	180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	●	●

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
DF = Implementation
LR = Lock & Release lever
B = Dovetail for fixing blocks with a nut
FI = Inverted flange with nut
HC = High current
* not included in the article description

Male header

Solder connection

Reflow solder connection



	2				1		
	SLD	**SLD**	**SLDV**	**SLDV**	**SL-SMT HC**	**SL-SMT HC**	**SL-SMT HC**
	90°	180°	90°	180°	90°	180°	270°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A
	○	○	○	○	○	○	○
			○	○	○	○	○
					○	○	○
	○	○			○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●

Male header and plug:

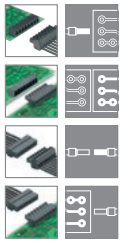
(O)* = open
B = Dovetail for fixing blocks with a nut
G = closed

F = Screw flange with nut
LF = Solder flange with nut
DF = Implementation

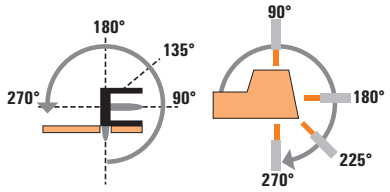
HC = High current
* not included in the article description

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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



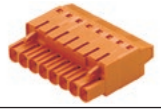
Orientation



Male header	
THR **Reflow solder connection**	



BL/SL 5.08 series Part 2 of 3

						Levels	2	
						Type	**SLDV-THR**	
						Orientation	180°	
						Flange options	G/FLF	
						IEC / UL	IEC: 400 V/15 A UL: 300 V/10 A	
Female plug	**Clamping yoke**		**BLZP HC**	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	
			**BLZP HC**	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12	○	
			**BLZP HC**	270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12		
			**BLZP HC**	225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm² UL: 300 V/10 A/AWG 26 - 12		
	TOP		**BLT HC**	180°	(G)/F/ LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm² UL: 300 V/10 A/AWG 26 - 14	○	
	Clamping yoke (twin connector)		**BLZ QV**	180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm² UL: 300 V/15 A/AWG 26 - 14	○	
Female header	**Solder connection**		**BLL**	90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	●	
			**BLL**	180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	●	

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
DF = Implementation
LR = Lock & Release lever
B = Dovetail for fixing blocks with a nut
FI = Inverted flange with nut
HC = High current
* not included in the article description

	Male plug	
	Clamping yoke	PUSH IN
		
	1	1
	SLS	SLF
	180°	180°
	(O)/B/F/FI/DF	(O)/B/F/FI/DF
	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm² UL: 300 V/15 A/ AWG 26 - 12	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm² UL: 300 V/15 A/ AWG 26 - 12
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●

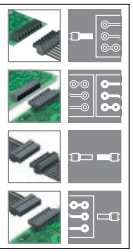
Male header and plug:

(O)* = open
B = Dovetail for fixing blocks with a nut
G = closed
F = Screw flange with nut
LF = Solder flange with nutr
DF = Implementation

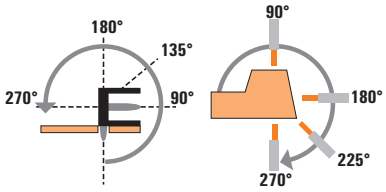
* not included in the article description

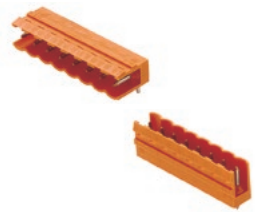
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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



Orientation





BL/SL 5.08 series Part 3 of 3

			Type	Orientation	Flange options	IEC / UL	Levels 1	
							SL HC	SL HC
							90°	180°
							(O)/G/B/F/LF	(O)/G/B/F/LF
							IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A
Female plug	PUSH IN		**BLF HC**	180°	(G)/F/ LR/DF	IEC: 400 V/24 A/0.2 - 2.5 mm² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
			**BLF HC**	90°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
			**BLF HC**	270°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
	PUSH IN (twin connector)		**BLDF**	180°	(G)/F/LR	IEC: 400 V/26.1 A/0.2 - 2.5 mm² UL: 300 V/10 A/AWG 26-12	○	○
	Crimp		**BLC**	180°	(G)/B	IEC: 400 V/21 A UL: 300 V/10 A	○	○

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
LR = Lock & Release lever
DF = Implementation
B = Dovetail for fixing blocks with a nut
HC = High current

* not included in the article description

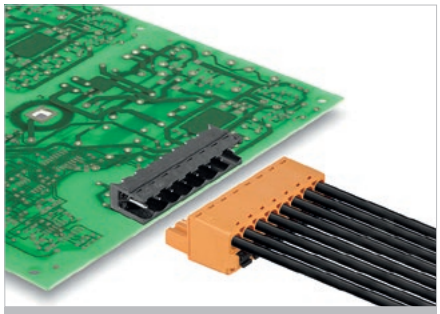
Male header								Male plug
Solder connection				Reflow solder connection				PUSH IN
								
								
	2				1		2	1
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC	SLDV-THR	SLF
	90°	180°	90°	180°	90°	180°	270°	180°	180°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF	G/FLF	B/F/FI/DF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm² UL: 300 V/15 A/ AWG 26 - 12
	○	○	○	○	○	○	○	○	●
			○	○	○	○	○	○	●
					○	○	○		●
	○	○	○	○	○	○	○	○	●
	○	○	○	○	○	○	○	○	●

Male header and plug:

(O)* = open
B = Dovetail for fixing blocks with a nut
G = closed
F = Screw flange with nut
LF = Solder flange with nut
FLF = Flange with nut and additional solder flange
HC = High current
* not included in the article description

K

SL-SMT 5.00HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

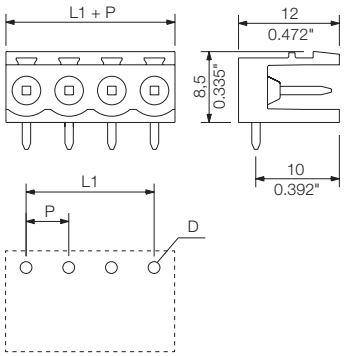
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../90 Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

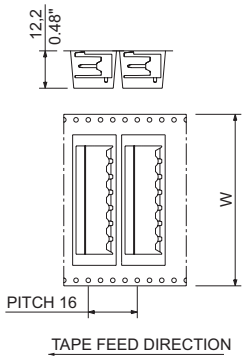
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1839890000
3	10.00	0.394	100	1839900000
4	15.00	0.591	100	1839910000
5	20.00	0.787	50	1839920000
6	25.00	0.984	50	1839930000
7	30.00	1.181	50	1839940000
8	35.00	1.378	50	1839950000
9	40.00	1.575	50	1839960000
10	45.00	1.772	50	1839970000
11	50.00	1.969	50	1839980000
12	55.00	2.165	50	1839990000

SL-SMT 5.00HC/../90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797620000
3	10.00	0.394	350	1797630000
4	15.00	0.591	350	1797640000
5	20.00	0.787	350	1797650000
6	25.00	0.984	350	1797660000
7	30.00	1.181	350	1797670000
8	35.00	1.378	350	1797680000

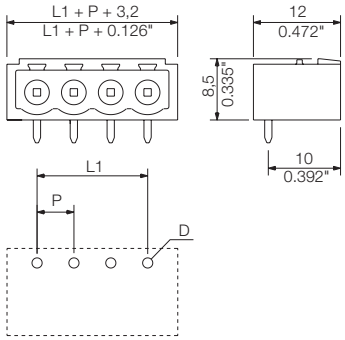
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/../90G Box

Packaged in box



Dimensioned drawing



Ordering data

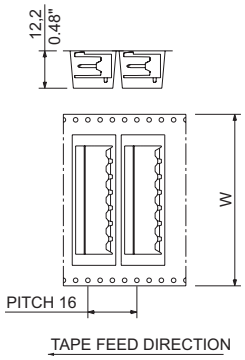
Solder pin length				3.2 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1840120000
3	10.00	0.394	100	1840130000
4	15.00	0.591	100	1840140000
5	20.00	0.787	50	1840150000
6	25.00	0.984	50	1840160000
7	30.00	1.181	50	1840170000
8	35.00	1.378	50	1840180000
9	40.00	1.575	50	1840190000
10	45.00	1.772	50	1840200000
11	50.00	1.969	50	1840210000
12	55.00	2.165	50	1840220000

SL-SMT 5.00HC/../90G Tape

Tape-on-reel



Dimensioned drawing



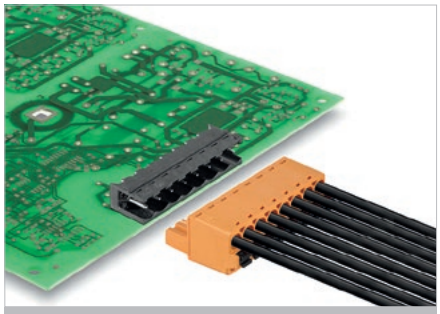
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797690000
3	10.00	0.394	350	1797700000
4	15.00	0.591	350	1797710000
5	20.00	0.787	350	1797720000
6	25.00	0.984	350	1797730000
7	30.00	1.181	350	1797740000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

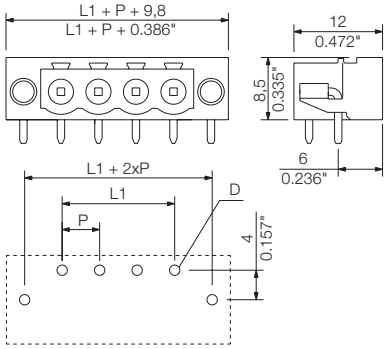
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	90	1840350000
3	10.00	0.394	72	1840360000
4	15.00	0.591	60	1840370000
5	20.00	0.787	48	1840380000
6	25.00	0.984	42	1840390000
7	30.00	1.181	42	1840400000
8	35.00	1.378	36	1840410000
9	40.00	1.575	30	1840420000
10	45.00	1.772	30	1840430000
11	50.00	1.969	24	1840440000
12	55.00	2.165	24	1840450000

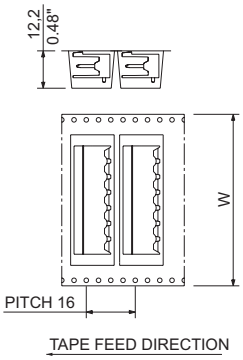
K

SL-SMT 5.00HC/../90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



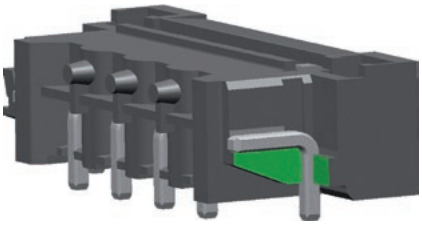
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	350	**1797750000**
3	10.00	0.394	350	**1797760000**
4	15.00	0.591	350	**1797770000**
5	20.00	0.787	350	**1797780000**
6	25.00	0.984	350	**1797790000**

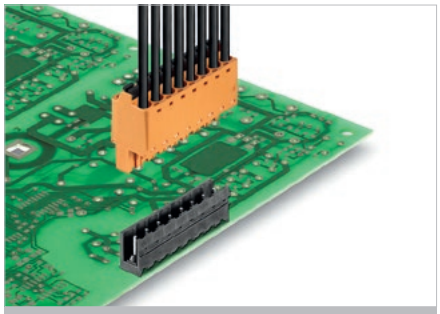
Tape widths: 32, 44, 56, 72, 88

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.
The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



SL-SMT 5.00HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

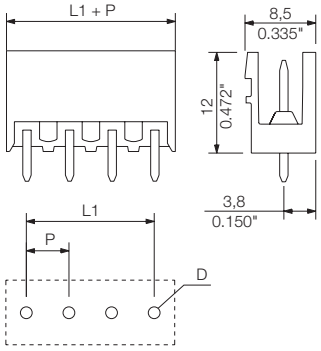
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../180 Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

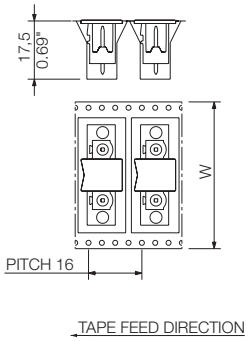
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1840920000
3	10.00	0.394	100	1840930000
4	15.00	0.591	100	1840940000
5	20.00	0.787	50	1840950000
6	25.00	0.984	50	1840960000
7	30.00	1.181	50	1840970000
8	35.00	1.378	50	1840980000
9	40.00	1.575	50	1840990000
10	45.00	1.772	50	1841000000
11	50.00	1.969	50	1841020000
12	55.00	2.165	50	1841030000

SL-SMT 5.00HC/../180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797800000
3	10.00	0.394	250	1797810000
4	15.00	0.591	250	1797820000
5	20.00	0.787	250	1797830000
6	25.00	0.984	250	1797840000
7	30.00	1.181	250	1797850000
8	35.00	1.378	250	1797860000

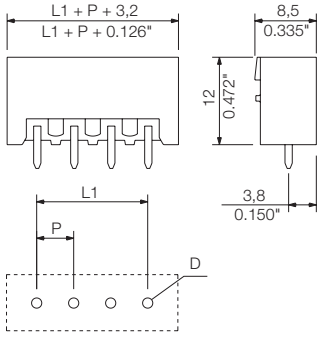
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/../180G Box

Packaged in box



Dimensioned drawing



Ordering data

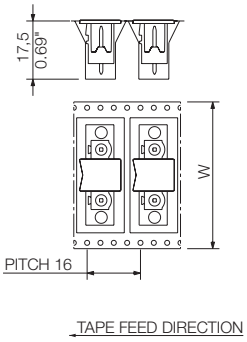
Solder pin length				3.2 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1841160000
3	10.00	0.394	100	1841170000
4	15.00	0.591	100	1841180000
5	20.00	0.787	50	1841190000
6	25.00	0.984	50	1841200000
7	30.00	1.181	50	1841210000
8	35.00	1.378	50	1841220000
9	40.00	1.575	50	1841230000
10	45.00	1.772	50	1841240000
11	50.00	1.969	50	1841250000
12	55.00	2.165	50	1841260000

SL-SMT 5.00HC/../180G Tape

Tape-on-reel



Dimensioned drawing



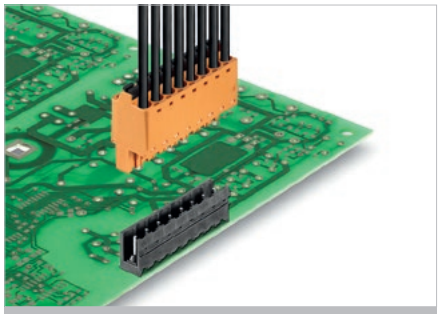
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797870000
3	10.00	0.394	250	1797880000
4	15.00	0.591	250	1797890000
5	20.00	0.787	250	1797900000
6	25.00	0.984	250	1797910000
7	30.00	1.181	250	1797920000
8	35.00	1.378	205	1110720000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

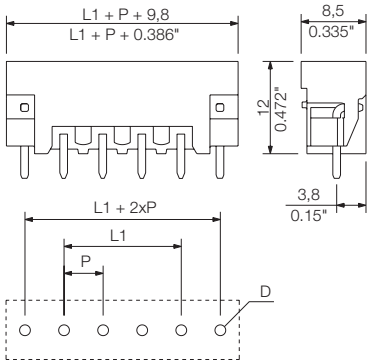
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../180LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

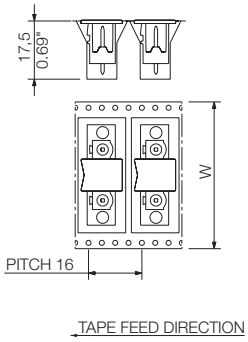
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	90	1841390000
3	10.00	0.394	72	1841400000
4	15.00	0.591	60	1841410000
5	20.00	0.787	54	1841420000
6	25.00	0.984	42	1841430000
7	30.00	1.181	42	1841440000
8	35.00	1.378	36	1841450000
9	40.00	1.575	30	1841460000
10	45.00	1.772	30	1841470000
11	50.00	1.969	24	1841480000
12	55.00	2.165	24	1841490000

SL-SMT 5.00HC/../180LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



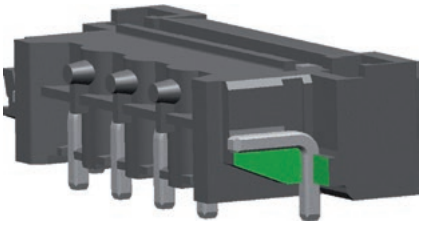
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797930000
3	10.00	0.394	250	1797940000
4	15.00	0.591	250	1797950000
5	20.00	0.787	250	1797960000
6	25.00	0.984	250	1797970000

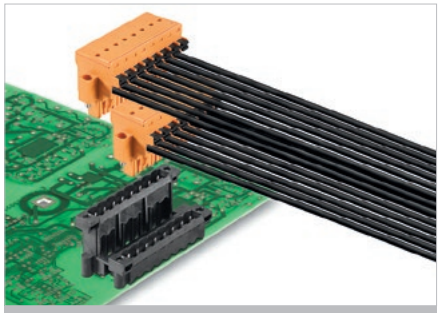
Tape widths: 32, 44, 56, 72, 88

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.
The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



SLDV-THR 5.00/../180



Double-level, 180° male header, optimised for the SMT process. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available in closed (G), with solder Flange (GLF), screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

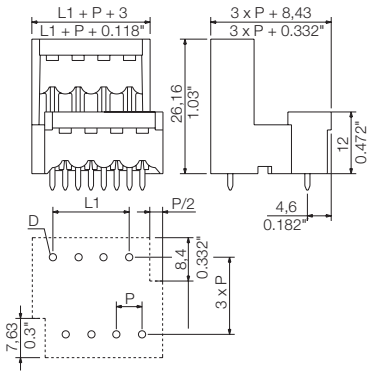
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLDV-THR 5.00/../180G

without solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

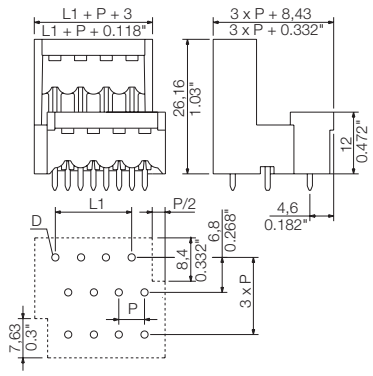
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.00	0.197	50	1882690000
6	10.00	0.394	50	1882700000
8	15.00	0.591	50	1862370000
10	20.00	0.787	50	1882710000
12	25.00	0.984	50	1882720000
14	30.00	1.181	20	1882730000
16	35.00	1.378	20	1862380000
18	40.00	1.575	20	1882740000
20	45.00	1.772	20	1862390000
22	50.00	1.969	10	1882750000
24	55.00	2.165	10	1882760000

SLDV-THR 5.00/../180GLF

with solder flange



Dimensioned drawing



Ordering data

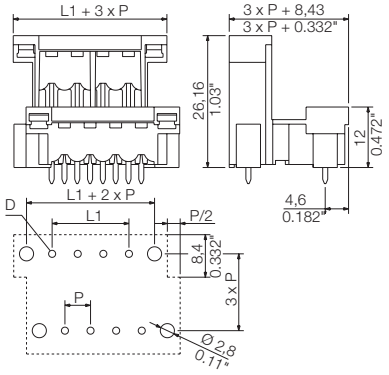
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.00	0.197	50	**1911290000**
6	10.00	0.394	50	**1911310000**
8	15.00	0.591	50	**1911320000**
10	20.00	0.787	50	**1911330000**
12	25.00	0.984	50	**1911340000**
14	30.00	1.181	20	**1911350000**
16	35.00	1.378	20	**1911360000**
18	40.00	1.575	20	**1911370000**
20	45.00	1.772	20	**1911410000**
22	50.00	1.969	10	**1911470000**
24	55.00	2.165	10	**1911500000**

SLDV-THR 5.00/../180F

without solder flange



Dimensioned drawing



Ordering data

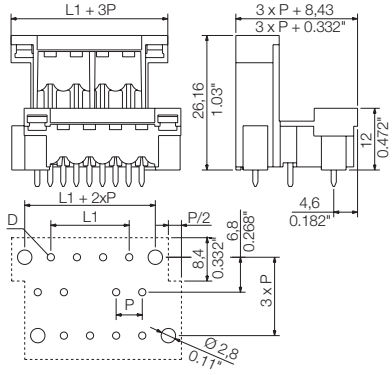
Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.00	0.197	50	**1882930000**
6	10.00	0.394	50	**1882940000**
8	15.00	0.591	50	**1882950000**
10	20.00	0.787	50	**1882960000**
12	25.00	0.984	50	**1882970000**
14	30.00	1.181	20	**1882980000**
16	35.00	1.378	20	**1882990000**
18	40.00	1.575	20	**1883000000**
20	45.00	1.772	20	**1881340000**
22	50.00	1.969	10	**1883010000**
24	55.00	2.165	10	**1881370000**

SLDV-THR 5.00/../180FLF

with solder flange



Dimensioned drawing

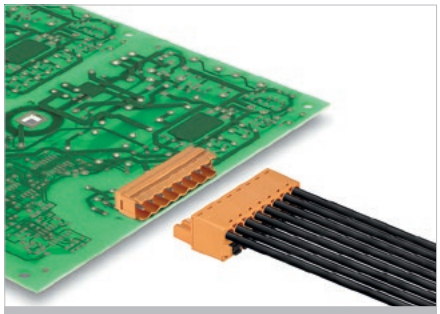


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.00	0.197	50	**1883100000**
6	10.00	0.394	50	**1883110000**
8	15.00	0.591	50	**1883120000**
10	20.00	0.787	50	**1883130000**
12	25.00	0.984	50	**1883140000**
14	30.00	1.181	20	**1883150000**
16	35.00	1.378	20	**1883160000**
18	40.00	1.575	20	**1883170000**
20	45.00	1.772	20	**1883180000**
22	50.00	1.969	10	**1883190000**
24	55.00	2.165	10	**1883200000**

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/../90



Male headers with 90° orientation, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached into the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A

72h

For additional articles and information, refer to eshop.weidmueller.com

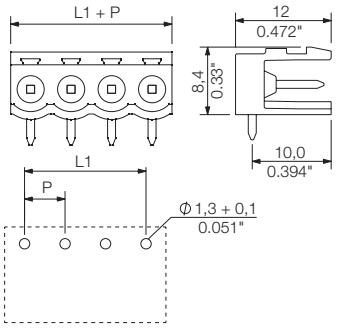
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**18**		**15**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

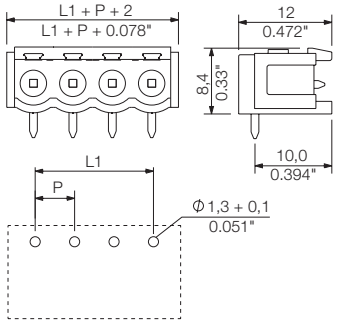
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1571130000
3	10.00	0.394	100	1571140000
4	15.00	0.591	100	1571150000
5	20.00	0.787	50	1571160000
6	25.00	0.984	50	1571170000
7	30.00	1.181	50	1571180000
8	35.00	1.378	50	1571190000
9	40.00	1.575	50	1571200000
10	45.00	1.772	50	1571210000
11	50.00	1.969	50	1571220000
12	55.00	2.165	50	1571110000

SL 5.00/../90B



Dimensioned drawing

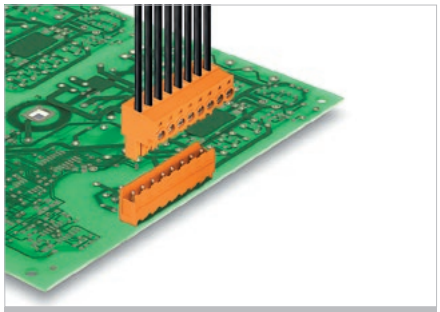


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1580860000
3	10.00	0.394	100	1580870000
4	15.00	0.591	100	1580880000
5	20.00	0.787	50	1580890000
6	25.00	0.984	50	1580900000
7	30.00	1.181	50	1580910000
8	35.00	1.378	50	1580920000
9	40.00	1.575	50	1580930000
10	45.00	1.772	50	1580940000
11	50.00	1.969	50	1580950000
12	55.00	2.165	50	1580960000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/../180



Male headers with 180° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A

72h

For additional articles and information, refer to eshop.weidmueller.com

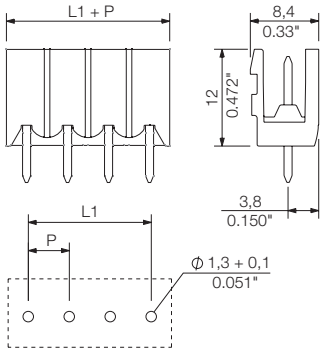
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.00/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**18**		**15**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

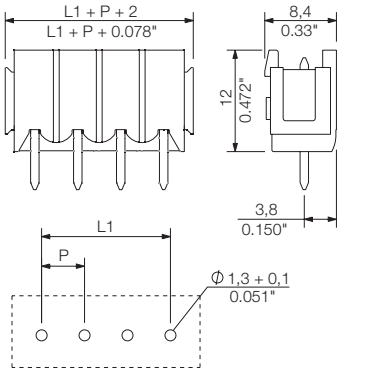
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1581320000
3	10.00	0.394	100	1581330000
4	15.00	0.591	100	1581340000
5	20.00	0.787	50	1581350000
6	25.00	0.984	50	1581360000
7	30.00	1.181	50	1581370000
8	35.00	1.378	50	1581380000
9	40.00	1.575	50	1581390000
10	45.00	1.772	50	1581400000
11	50.00	1.969	50	1581410000
12	55.00	2.165	50	1581420000

SL 5.00/../180B



Dimensioned drawing

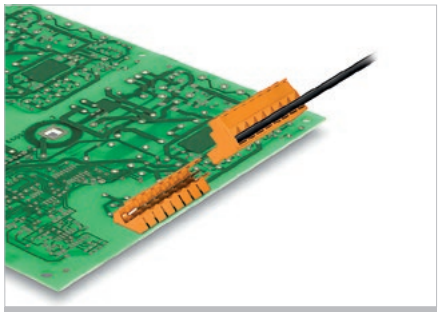


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	**1581780000**
3	10.00	0.394	100	**1581790000**
4	15.00	0.591	100	**1581800000**
5	20.00	0.787	50	**1581810000**
6	25.00	0.984	50	**1581820000**
7	30.00	1.181	50	**1581830000**
8	35.00	1.378	50	**1581840000**
9	40.00	1.575	50	**1581850000**
10	45.00	1.772	50	**1581860000**
11	50.00	1.969	50	**1581870000**
12	55.00	2.165	50	**1581880000**

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/../135



Male headers with 135° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 17 A
UL: 300 V / 15 A

72h

For additional articles and information, refer to eshop.weidmueller.com

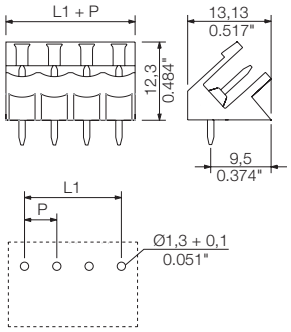
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.00/../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17**		**15**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SL 135 BB15R OR	1606450000
	SL 135 BB15R SW	1636370000

Ordering data

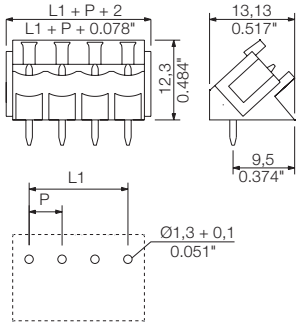
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1630250000
3	10.00	0.394	100	1630260000
4	15.00	0.591	100	1630270000
5	20.00	0.787	50	1630280000
6	25.00	0.984	50	1630290000
7	30.00	1.181	50	1630300000
8	35.00	1.378	50	1630310000
9	40.00	1.575	50	1630320000
10	45.00	1.772	50	1630330000
11	50.00	1.969	50	1630340000
12	55.00	2.165	50	1630350000

K

SL 5.00/../135B



Dimensioned drawing

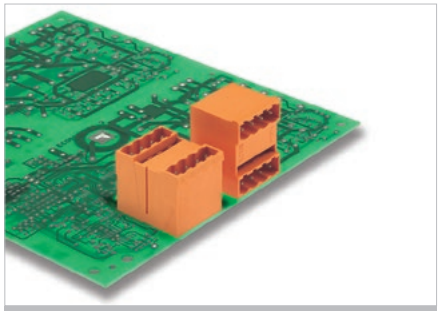


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1630480000
3	10.00	0.394	100	1630490000
4	15.00	0.591	100	1630500000
5	20.00	0.787	50	1630510000
6	25.00	0.984	50	1630520000
7	30.00	1.181	50	1630530000
8	35.00	1.378	50	1630540000
9	40.00	1.575	50	1630550000
10	45.00	1.772	50	1630560000
11	50.00	1.969	50	1630570000
12	55.00	2.165	50	1630580000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SLD 5.00/../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

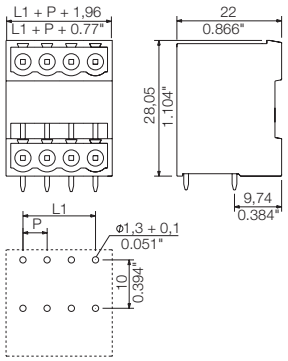
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 5.00/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**11**		**9.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

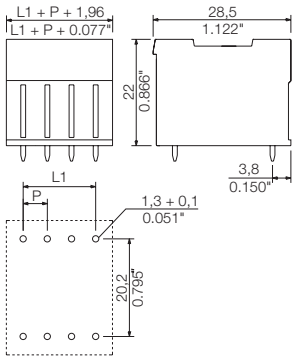
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.00	0.197	50	1614350000
6	10.00	0.394	50	1614360000
8	15.00	0.591	50	1614370000
10	20.00	0.787	50	1614380000
12	25.00	0.984	50	1614390000
14	30.00	1.181	20	1614400000
16	35.00	1.378	20	1614410000
18	40.00	1.575	20	1614420000
20	45.00	1.772	20	1614430000
22	50.00	1.969	10	1614440000
24	55.00	2.165	10	1614450000

SLD 5.00/../180G



Dimensioned drawing

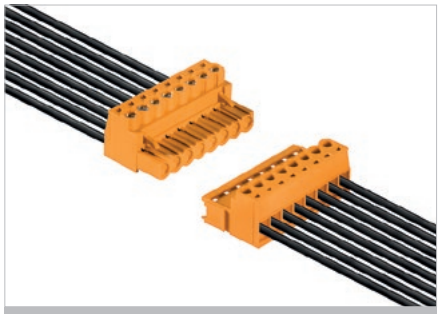


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	**1614810000**
6	10.00	0.394	50	**1614820000**
8	15.00	0.591	50	**1614830000**
10	20.00	0.787	50	**1614840000**
12	25.00	0.984	50	**1614850000**
14	30.00	1.181	20	**1614860000**
16	35.00	1.378	20	**1614870000**
18	40.00	1.575	20	**1614880000**
20	45.00	1.772	20	**1614890000**
22	50.00	1.969	10	**1614900000**
24	55.00	2.165	10	**1614910000**

Connectors in 5.00 mm pitch
Series BL/SL 5.00

BLZP 5.00HC/../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

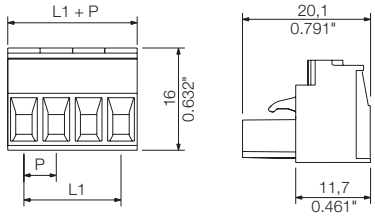
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.00HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R		...4		
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.00 ZE04 OR BX	1652100000
	BLZ 5.00 ZE08 OR BX	1652040000
	BLZ 5.00 ZE08 BK BX	1652060000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

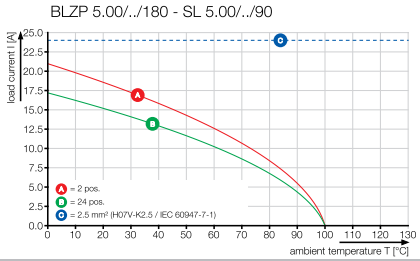
Solder pin length

Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1954490000
3	10.00	0.394	120	1954480000
4	15.00	0.591	90	1954470000
5	20.00	0.788	72	1954460000
6	25.00	0.985	60	1954450000
7	30.00	1.182	48	1954440000
8	35.00	1.379	42	1954430000
9	40.00	1.576	36	1954420000
10	45.00	1.773	36	1954410000
11	50.00	1.970	30	1954400000
12	55.00	2.167	30	1954390000

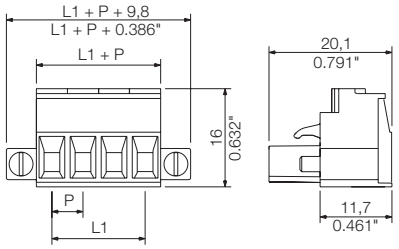
Representative deratings curve



BLZP 5.00HC/../180F



Dimensioned drawing



Ordering data

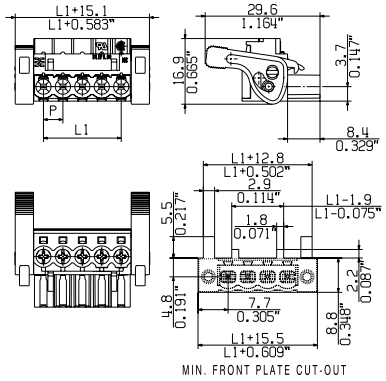
Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1955800000
3	10.00	0.394	72	1955790000
4	15.00	0.591	60	1955780000
5	20.00	0.788	48	1955770000
6	25.00	0.985	42	1955760000
7	30.00	1.182	36	1955750000
8	35.00	1.379	36	1955740000
9	40.00	1.576	30	1955730000
10	45.00	1.773	30	1955720000
11	50.00	1.970	24	1955710000
12	55.00	2.167	24	1955700000

BLZP 5.00HC/../180LR

with lock and release lever



Dimensioned drawing

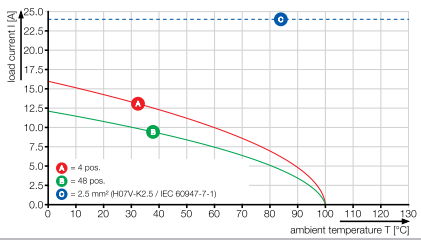


Ordering data

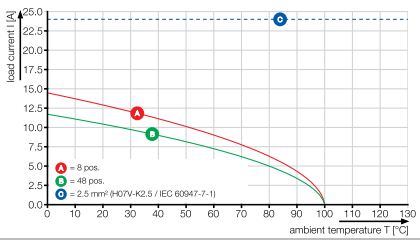
Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1956370000
3	10.00	0.394	72	1956360000
4	15.00	0.591	60	1956350000
5	20.00	0.788	48	1956340000
6	25.00	0.985	42	1956330000
7	30.00	1.182	36	1956320000
8	35.00	1.379	36	1956310000
9	40.00	1.576	30	1956300000
10	45.00	1.773	30	1956290000
11	50.00	1.970	24	1956280000
12	55.00	2.167	24	1956270000

Additional deratings curves

BLZP 5.00/../180 - SLD 5.00/../90G



BLZP 5.00/../180 - SLDV-THR 5.00/../180

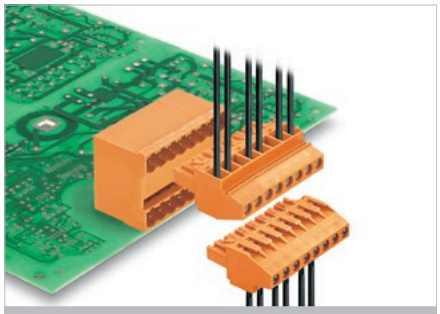


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current,
and perfect for the force.



BLZP 5.00HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

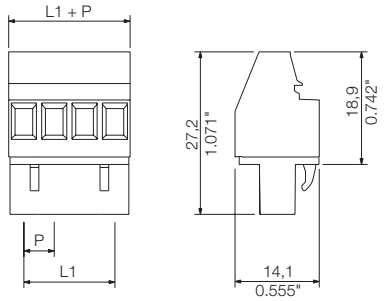
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.00HC/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

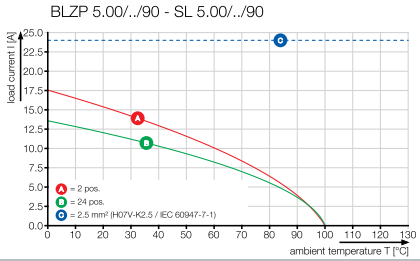
Solder pin length

Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1958300000
3	10.00	0.394	120	1958290000
4	15.00	0.591	90	1958280000
5	20.00	0.788	72	1958270000
6	25.00	0.985	60	1958260000
7	30.00	1.182	48	1958250000
8	35.00	1.379	42	1958230000
9	40.00	1.576	36	1958190000
10	45.00	1.773	36	1958160000
11	50.00	1.970	30	1958130000
12	55.00	2.167	30	1958120000

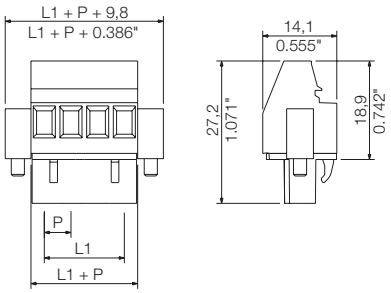
Representative deratings curve



BLZP 5.00HC/../90F



Dimensioned drawing



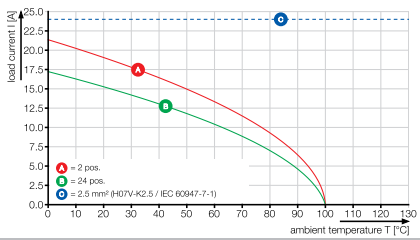
Ordering data

Solder pin length

Colour				orange
Pitch	**5.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.00	0.197	90	**1959520000**
3	10.00	0.394	72	**1959510000**
4	15.00	0.591	60	**1959500000**
5	20.00	0.788	48	**1959490000**
6	25.00	0.985	42	**1959480000**
7	30.00	1.182	36	**1959470000**
8	35.00	1.379	36	**1959460000**
9	40.00	1.576	30	**1959440000**
10	45.00	1.773	30	**1959430000**
11	50.00	1.970	24	**1959390000**
12	55.00	2.167	24	**1959370000**

Additional deratings curves

BLZP 5.00/../90 - SL-SMT 5.00/../90

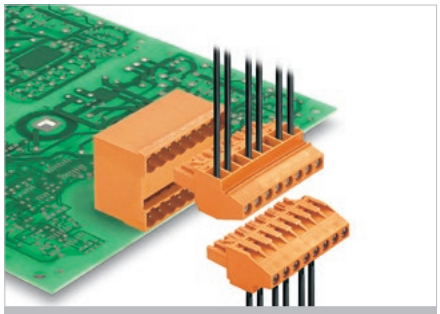


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
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and perfect for the force.



BLZP 5.00HC/../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

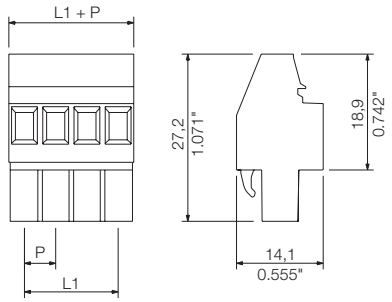
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.00HC/../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

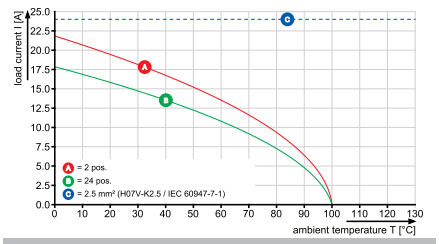
Solder pin length

Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1958870000
3	10.00	0.394	120	1958860000
4	15.00	0.591	90	1958850000
5	20.00	0.788	72	1958840000
6	25.00	0.985	60	1958830000
7	30.00	1.182	48	1958820000
8	35.00	1.379	42	1958810000
9	40.00	1.576	36	1958800000
10	45.00	1.773	36	1958790000
11	50.00	1.970	30	1958780000
12	55.00	2.167	30	1959150000

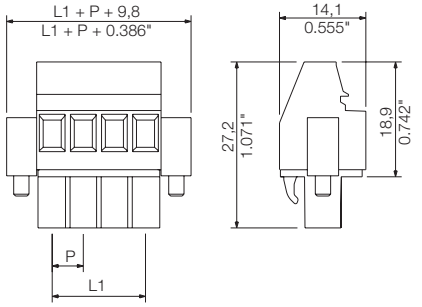
Representative deratings curve



BLZP 5.00HC/../270F



Dimensioned drawing



Ordering data

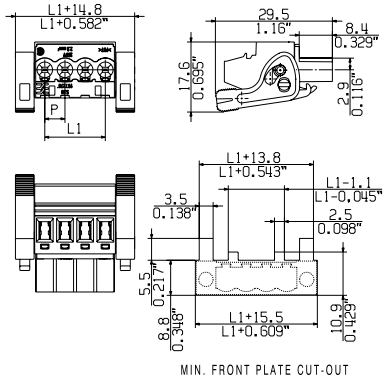
Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1960460000
3	10.00	0.394	72	1960450000
4	15.00	0.591	60	1960440000
5	20.00	0.788	48	1960430000
6	25.00	0.985	42	1960420000
7	30.00	1.182	36	1960410000
8	35.00	1.379	36	1960400000
9	40.00	1.576	30	1960390000
10	45.00	1.773	30	1960380000
11	50.00	1.970	24	1960370000
12	55.00	2.167	24	1959450000

BLZP 5.00HC/../270LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1960960000
3	10.00	0.394	72	1960950000
4	15.00	0.591	60	1960940000
5	20.00	0.788	48	1960930000
6	25.00	0.985	42	1960920000
7	30.00	1.182	36	1960910000
8	35.00	1.379	36	1960900000
9	40.00	1.576	30	1960890000
10	45.00	1.773	30	1960880000
11	50.00	1.970	24	1960870000
12	55.00	2.167	24	1960860000

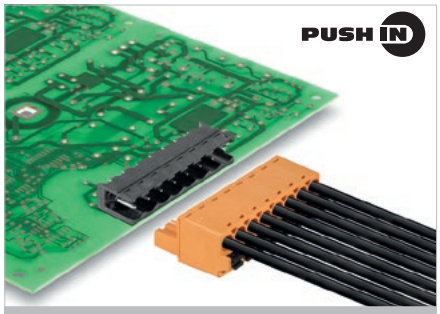
The 2-in-1 contact

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and perfect for the force.



Connectors in 5.00 mm pitch
Series BL/SL 5.00

BLF 5.00HC/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 23 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

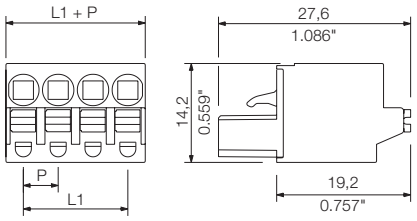
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.00HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar		...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	12-26		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

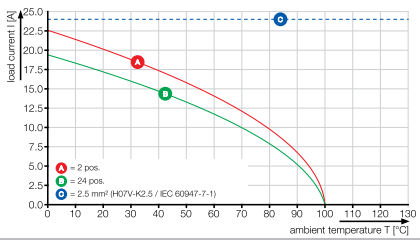
Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1017860000
3	10.00	0.394	120	1017870000
4	15.00	0.591	90	1017880000
5	20.00	0.788	72	1017890000
6	25.00	0.985	60	1017910000
7	30.00	1.182	48	1017920000
8	35.00	1.379	42	1017930000
9	40.00	1.576	36	1017950000
10	45.00	1.773	36	1017960000
11	50.00	1.970	30	1017970000
12	55.00	2.167	30	1017980000

Representative deratings curve

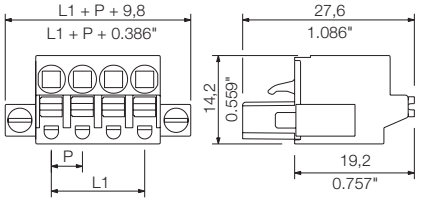
BLF 5.00/../180 - SL 5.00/../90



BLF 5.00HC/../180F



Dimensioned drawing



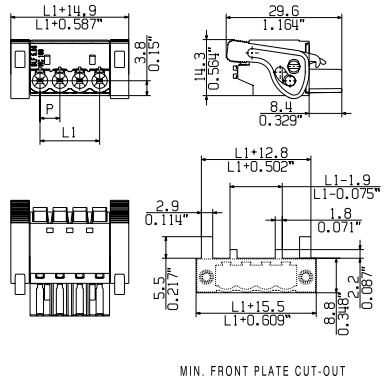
Ordering data

Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1017420000
3	10.00	0.394	72	1017430000
4	15.00	0.591	60	1017440000
5	20.00	0.788	48	1017450000
6	25.00	0.985	42	1017470000
7	30.00	1.182	36	1017480000
8	35.00	1.379	36	1017490000
9	40.00	1.576	30	1017510000
10	45.00	1.773	30	1017520000
11	50.00	1.970	24	1017530000
12	55.00	2.167	24	1017540000

BLF 5.00HC/../180LR



Dimensioned drawing



MIN. FRONT PLATE CUT-OUT

Ordering data

Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1016340000
3	10.00	0.394	72	1016350000
4	15.00	0.591	60	1016360000
5	20.00	0.788	48	1016370000
6	25.00	0.985	42	1016380000
7	30.00	1.182	36	1016390000
8	35.00	1.379	36	1016410000
9	40.00	1.576	30	1016420000
10	45.00	1.773	30	1016430000
11	50.00	1.970	24	1016440000
12	55.00	2.167	24	1016450000

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

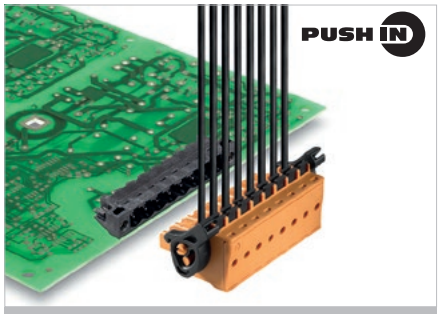


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



BLF 5.00HC/../90



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

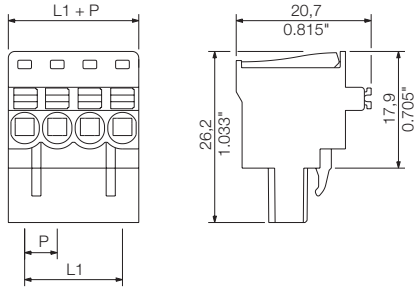
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.00HC/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	12-26		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

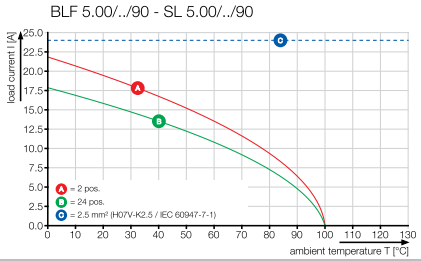
Solder pin length

Colour orange

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1980170000
3	10.00	0.394	120	1980180000
4	15.00	0.591	90	1980190000
5	20.00	0.788	72	1980200000
6	25.00	0.985	60	1980210000
7	30.00	1.182	48	1980220000
8	35.00	1.379	42	1980230000
9	40.00	1.576	36	1980240000
10	45.00	1.773	36	1980250000
11	50.00	1.970	30	1980260000
12	55.00	2.167	30	1980270000

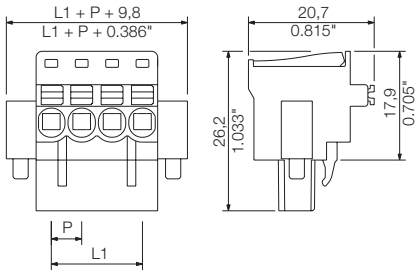
Representative deratings curve



BLF 5.00HC/../90F



Dimensioned drawing



Ordering data

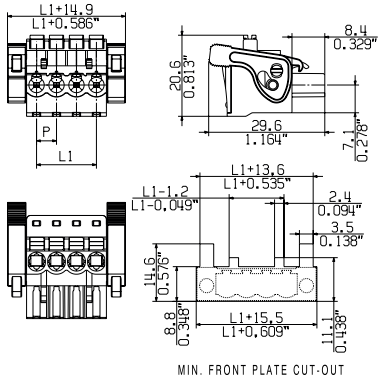
Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1980640000
3	10.00	0.394	72	1980650000
4	15.00	0.591	60	1980660000
5	20.00	0.788	48	1980670000
6	25.00	0.985	42	1980680000
7	30.00	1.182	36	1980690000
8	35.00	1.379	36	1980700000
9	40.00	1.576	30	1980710000
10	45.00	1.773	30	1980720000
11	50.00	1.970	24	1980730000
12	55.00	2.167	24	1980740000

BLF 5.00HC/../90LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1980870000
3	10.00	0.394	72	1980880000
4	15.00	0.591	60	1980890000
5	20.00	0.788	48	1980900000
6	25.00	0.985	42	1980910000
7	30.00	1.182	36	1980920000
8	35.00	1.379	36	1980930000
9	40.00	1.576	30	1980940000
10	45.00	1.773	30	1980950000
11	50.00	1.970	24	1980960000
12	55.00	2.167	24	1980970000

PUSH IN connection technology

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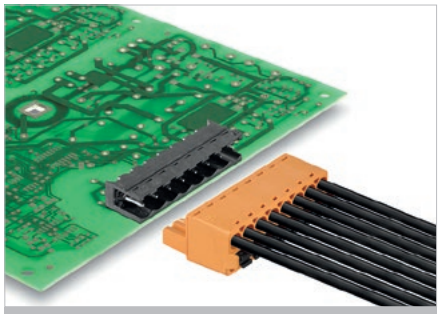


The 2-in-1 contact

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Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



SL-SMT 5.08HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

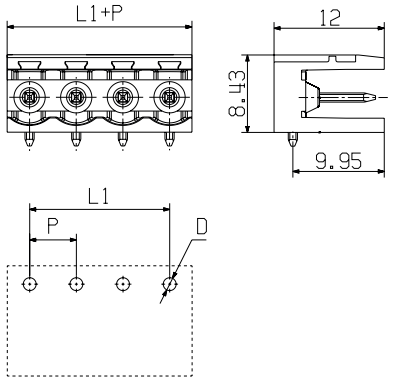
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90 Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

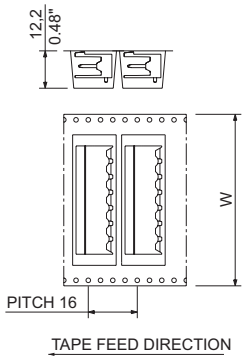
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	100	1779950000
3	10.16	0.400	100	1779960000
4	15.24	0.600	100	1779970000
5	20.32	0.800	50	1779980000
6	25.40	1.000	50	1779990000
7	30.48	1.200	50	1780000000
8	35.56	1.400	50	1780010000
9	40.64	1.600	50	1780020000
10	45.72	1.800	50	1780030000
11	50.80	2.000	50	1780040000
12	55.88	2.200	50	1780050000

SL-SMT 5.08HC/../90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1821160000
3	10.16	0.400	350	1821170000
4	15.24	0.600	350	1774784001
5	20.32	0.800	350	1774794001
6	25.40	1.000	350	1774804001
7	30.48	1.200	350	1774814001
8	35.56	1.400	350	1774824001

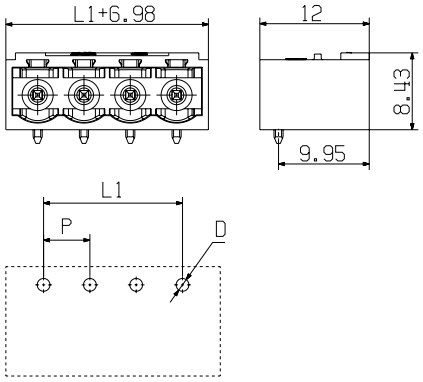
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../90G Box

Packaged in box



Dimensioned drawing



Ordering data

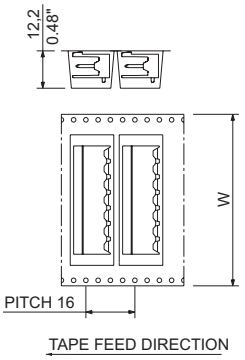
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1780180000
3	10.16	0.400	100	1780190000
4	15.24	0.600	100	1780200000
5	20.32	0.800	50	1780210000
6	25.40	1.000	50	1780220000
7	30.48	1.200	50	1780230000
8	35.56	1.400	50	1780240000
9	40.64	1.600	50	1780250000
10	45.72	1.800	50	1780260000
11	50.80	2.000	50	1780270000
12	55.88	2.200	50	1780280000

SL-SMT 5.08HC/../90G Tape

Tape-on-reel



Dimensioned drawing

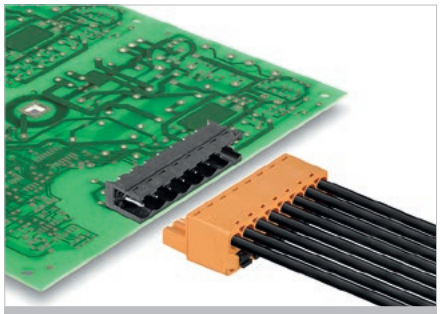


Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1821140000
3	10.16	0.400	350	1775014001
4	15.24	0.600	350	1775024001
5	20.32	0.800	350	1775034001
6	25.40	1.000	350	1775044001
7	30.48	1.200	350	1775054001

Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

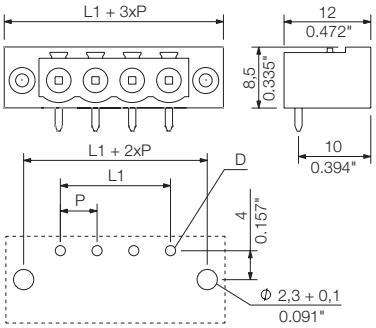
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90F Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

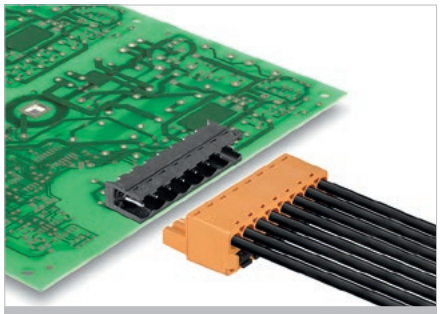
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1837630000
3	10.16	0.400	72	1837640000
4	15.24	0.600	60	1837650000
5	20.32	0.800	48	1837660000
6	25.40	1.000	42	1837670000
7	30.48	1.200	36	1837680000
8	35.56	1.400	36	1837690000
9	40.64	1.600	30	1837700000
10	45.72	1.800	30	1837710000
11	50.80	2.000	24	1837720000
12	55.88	2.200	24	1837730000

SL-SMT 5.08HC/../90



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- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
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- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
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Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

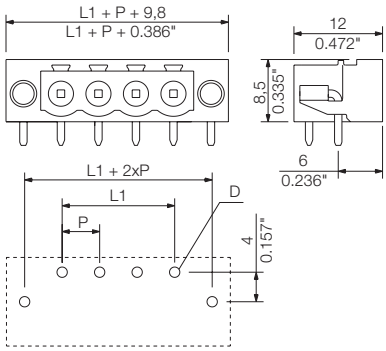
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

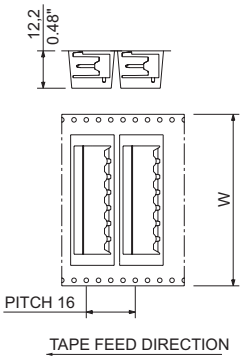
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	90	1780410000
3	10.16	0.400	72	1780420000
4	15.24	0.600	60	1780430000
5	20.32	0.800	48	1780440000
6	25.40	1.000	42	1780450000
7	30.48	1.200	36	1780460000
8	35.56	1.400	36	1780470000
9	40.64	1.600	30	1780480000
10	45.72	1.800	30	1780490000
11	50.80	2.000	24	1780500000
12	55.88	2.200	24	1780510000

SL-SMT 5.08HC/../90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



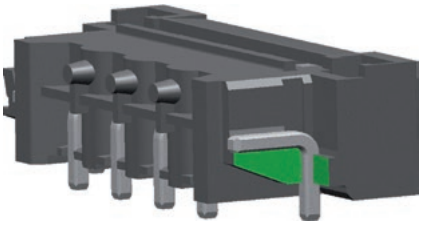
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1775234001
3	10.16	0.400	350	1775244001
4	15.24	0.600	350	1775254001
5	20.32	0.800	350	1775264001
6	25.40	1.000	350	1775274001

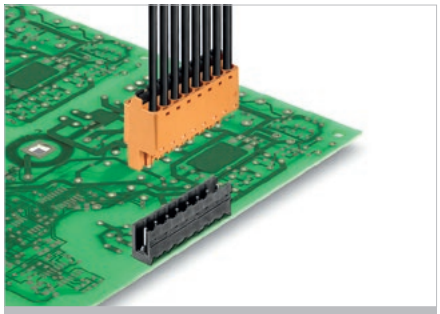
Tape widths: 32, 44, 56, 72, 88

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.
The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



SL-SMT 5.08HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

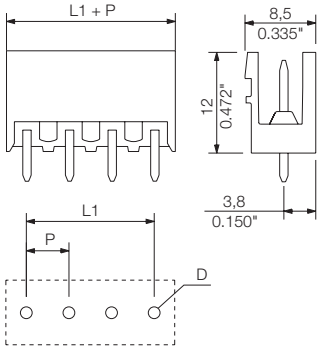
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180 Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A			18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

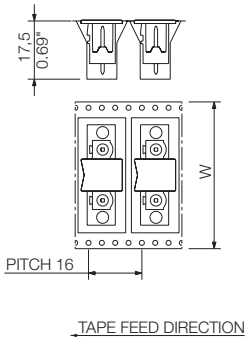
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1837980000
3	10.16	0.400	100	1837990000
4	15.24	0.600	100	1838000000
5	20.32	0.800	50	1838010000
6	25.40	1.000	50	1838020000
7	30.48	1.200	50	1838030000
8	35.56	1.400	50	1838040000
9	40.64	1.600	50	1838050000
10	45.72	1.800	50	1838060000
11	50.80	2.000	50	1838070000
12	55.88	2.200	50	1838080000

SL-SMT 5.08HC/../180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	250	1821100000
3	10.16	0.400	250	1821110000
4	15.24	0.600	250	1775594001
5	20.32	0.800	250	1775634001
6	25.40	1.000	250	1775644001
7	30.48	1.200	250	1775654001
8	35.56	1.400	250	1775664001

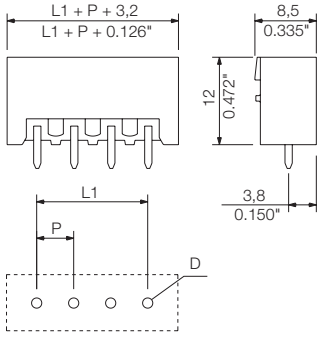
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../180G Box

Packaged in box



Dimensioned drawing



Ordering data

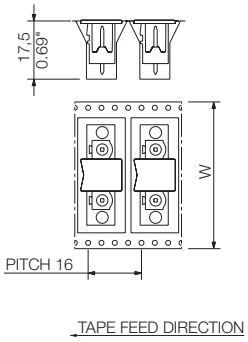
Solder pin length				3.2 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1838210000
3	10.16	0.400	100	1838220000
4	15.24	0.600	100	1838230000
5	20.32	0.800	50	1838240000
6	25.40	1.000	50	1838250000
7	30.48	1.200	50	1838260000
8	35.56	1.400	50	1838270000
9	40.64	1.600	50	1838280000
10	45.72	1.800	50	1838290000
11	50.80	2.000	50	1838300000
12	55.88	2.200	50	1838310000

SL-SMT 5.08HC/../180G Tape

Tape-on-reel



Dimensioned drawing



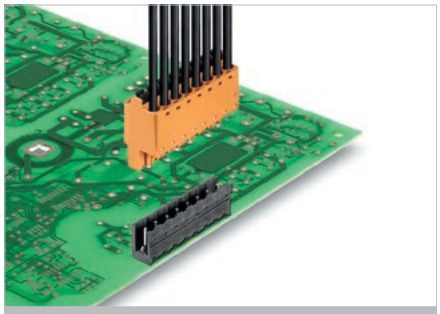
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	250	1820170000
3	10.16	0.400	250	1775934001
4	15.24	0.600	250	1775944001
5	20.32	0.800	250	1775954001
6	25.40	1.000	250	1775964001
7	30.48	1.200	250	1775974001

Tape widths: 32, 44, 56, 72, 88

K

SL-SMT 5.08HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

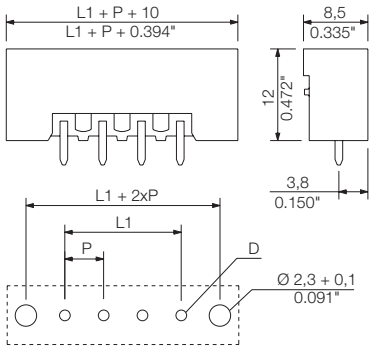
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180F Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A			18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

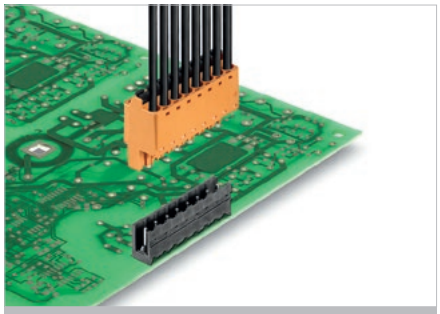
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	90	1837860000
3	10.16	0.400	72	1820600000
4	15.24	0.600	60	1837870000
5	20.32	0.800	48	1820770000
6	25.40	1.000	42	1820610000
7	30.48	1.200	36	1837880000
8	35.56	1.400	36	1820620000
9	40.64	1.600	30	1837890000
10	45.72	1.800	30	1820780000
11	50.80	2.000	24	1837900000
12	55.88	2.200	24	1820630000

SL-SMT 5.08HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

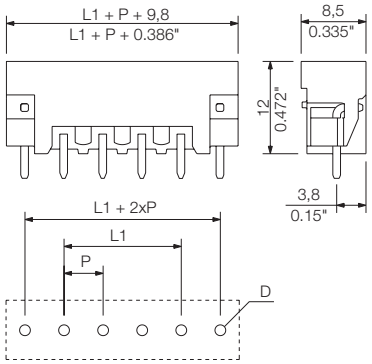
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A			18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

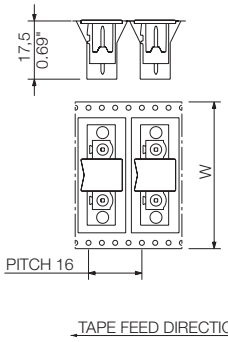
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	90	1838440000
3	10.16	0.400	72	1838450000
4	15.24	0.600	60	1838460000
5	20.32	0.800	48	1838470000
6	25.40	1.000	42	1838480000
7	30.48	1.200	36	1838490000
8	35.56	1.400	36	1838500000
9	40.64	1.600	30	1838510000
10	45.72	1.800	30	1838520000
11	50.80	2.000	24	1838530000
12	55.88	2.200	24	1838540000

SL-SMT 5.08HC/../180LF Tape

Packaged in box; with solder flange



Dimensioned drawing



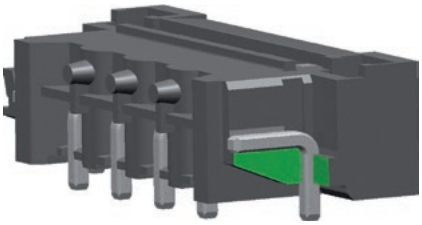
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	250	1776364001
3	10.16	0.400	250	1776374001
4	15.24	0.600	250	1776384001
5	20.32	0.800	250	1776394001
6	25.40	1.000	250	1776404001

Tape widths: 32, 44, 56, 72, 88

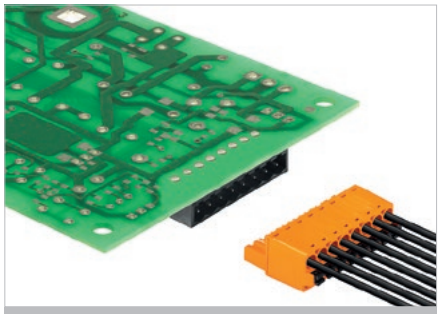
Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.
The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC/../270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

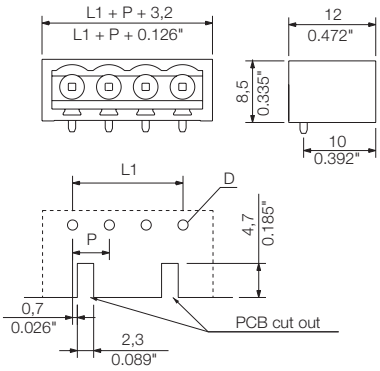
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../270GL Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	100	1877470000
3	10.16	0.400	100	1877490000
4	15.24	0.600	100	1877510000
5	20.32	0.800	50	1877520000
6	25.40	1.000	50	1877530000
7	30.48	1.200	50	1877540000
8	35.56	1.400	50	1877550000

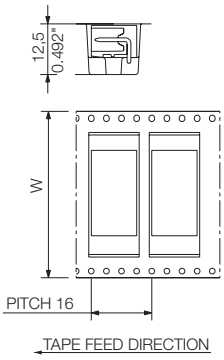
K

SL-SMT 5.08HC/../270GL Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1877740000
3	10.16	0.400	350	1877750000
4	15.24	0.600	350	1877760000
5	20.32	0.800	350	1877770000
6	25.40	1.000	350	1877780000
7	30.48	1.200	350	1877790000
8	35.56	1.400	350	1877800000

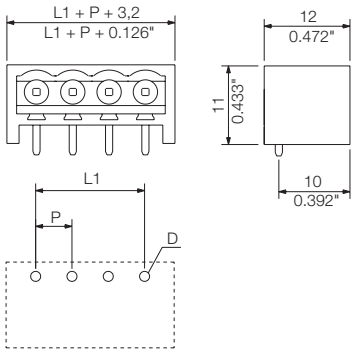
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../270GH Box

Packaged in box



Dimensioned drawing



Ordering data

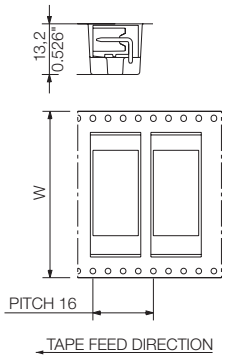
Solder pin length				3.2 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1877370000
3	10.16	0.400	100	1877380000
4	15.24	0.600	100	1877390000
5	20.32	0.800	50	1877400000
6	25.40	1.000	50	1877410000
7	30.48	1.200	50	1877420000
8	35.56	1.400	50	1877450000

SL-SMT 5.08HC/../270GH Tape

Tape-on-reel



Dimensioned drawing

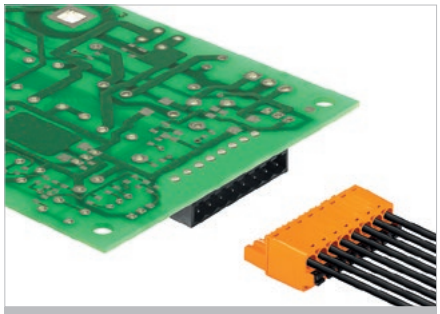


Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	335	1877560000
3	10.16	0.400	335	1877600000
4	15.24	0.600	335	1877610000
5	20.32	0.800	225	1877620000
6	25.40	1.000	265	1877630000
7	30.48	1.200	335	1877640000
8	35.56	1.400	285	1877650000

Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

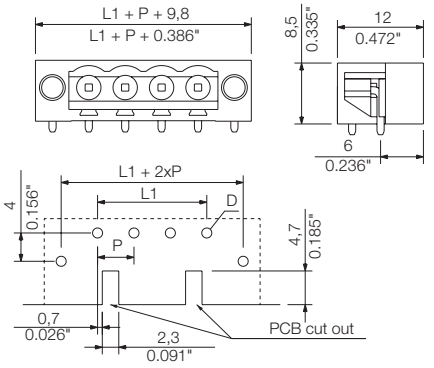
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../270FL Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	100	1876850000
3	10.16	0.400	100	1876860000
4	15.24	0.600	100	1876870000
5	20.32	0.800	50	1876880000
6	25.40	1.000	50	1876890000
7	30.48	1.200	50	1876900000
8	35.56	1.400	50	1876910000

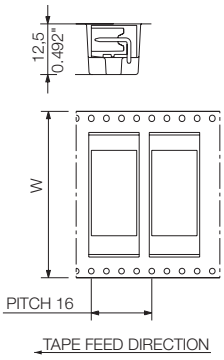
K

SL-SMT 5.08HC/../270FL Tape

Tape-on-reel; with solder flange



Dimensioned drawing



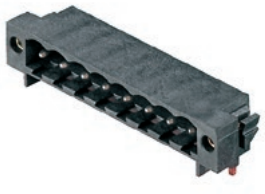
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1876990000
3	10.16	0.400	350	1877000000
4	15.24	0.600	350	1877020000
5	20.32	0.800	350	1877070000
6	25.40	1.000	350	1877090000
7	30.48	1.200	300	1877110000
8	35.56	1.400	300	1877120000

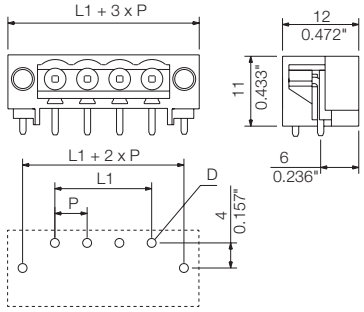
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/../270FH Box

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

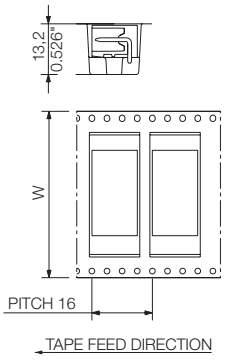
Solder pin length				3.2 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1877190000
3	10.16	0.400	100	1877210000
4	15.24	0.600	100	1877330000
5	20.32	0.800	50	1877430000
6	25.40	1.000	50	1877460000
7	30.48	1.200	50	1877480000
8	35.56	1.400	50	1877500000

SL-SMT 5.08HC/../270FH Tape

Tape-on-reel; with solder flange



Dimensioned drawing



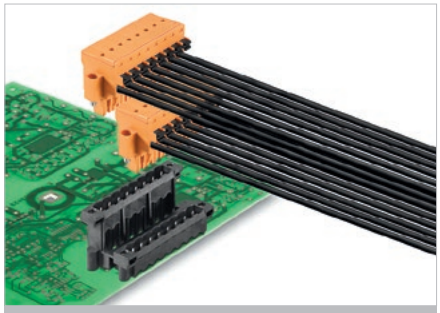
Ordering data

Solder pin length				1.5 mm
Colour				black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	335	1876920000
3	10.16	0.400	225	1876930000
4	15.24	0.600	225	1876940000
5	20.32	0.800	335	1876950000
6	25.40	1.000	225	1876960000
7	30.48	1.200	195	1876970000
8	35.56	1.400	195	1876980000

Tape widths: 32, 44, 56, 72, 88

K

SLDV-THR 5.08/../180



Double-level, high-temperature-resistant male header, optimised for SMT processing. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available with screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

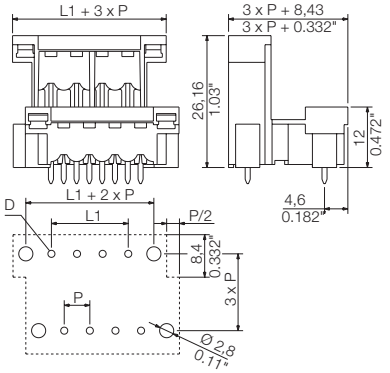
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLDV-THR 5.08/../180F

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

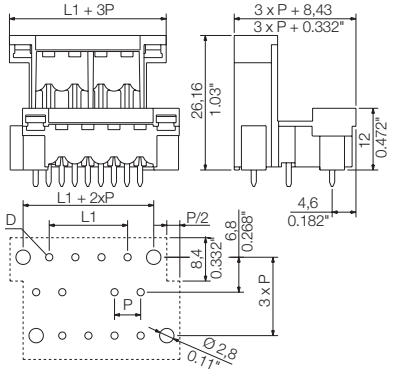
Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.08	0.200	52	1828770000
6	10.16	0.400	44	1828780000
8	15.24	0.600	36	1828790000
10	20.32	0.800	32	1828800000
12	25.40	1.000	28	1828810000
14	30.48	1.200	24	1828820000
16	35.56	1.400	20	1828830000
18	40.64	1.600	20	1828840000
20	45.72	1.800	16	1828850000
22	50.80	2.000	16	1828860000
24	55.88	2.200	16	1828870000

SLDV-THR 5.08/../180FLF

Packaged in box; with solder flange



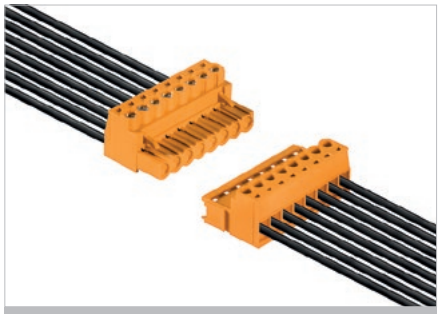
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	5.08	0.200	52	**1829010000**
6	10.16	0.400	44	**1829020000**
8	15.24	0.600	36	**1829030000**
10	20.32	0.800	32	**1829040000**
12	25.40	1.000	28	**1829050000**
14	30.48	1.200	24	**1829060000**
16	35.56	1.400	20	**1829070000**
18	40.64	1.600	20	**1829080000**
20	45.72	1.800	16	**1829090000**
22	50.80	2.000	16	**1829100000**
24	55.88	2.200	16	**1829110000**

SL 5.08HC/../90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

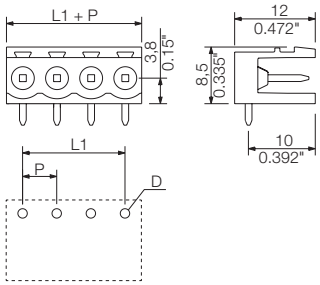
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

Ordering data

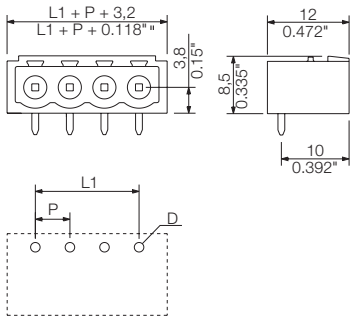
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	100	1146720000
3	10.16	0.400	100	1146740000
4	15.24	0.600	100	1146770000
5	20.32	0.800	50	1146790000
6	25.40	1.000	50	1146810000
7	30.48	1.200	50	1146830000
8	35.56	1.400	50	1146850000
9	40.64	1.600	50	1146880000
10	45.72	1.800	50	1146900000
11	50.80	2.000	50	1146920000
12	55.88	2.200	50	1146940000

K

SL 5.08HC/../90G



Dimensioned drawing



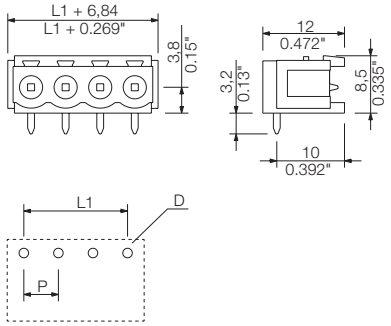
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1147280000
3	10.16	0.400	100	1147310000
4	15.24	0.600	100	1147340000
5	20.32	0.800	50	1147370000
6	25.40	1.000	50	1147400000
7	30.48	1.200	50	1147420000
8	35.56	1.400	50	1147450000
9	40.64	1.600	50	1147490000
10	45.72	1.800	50	1147530000
11	50.80	2.000	50	1147570000
12	55.88	2.200	50	1147600000

SL 5.08HC/../90B



Dimensioned drawing

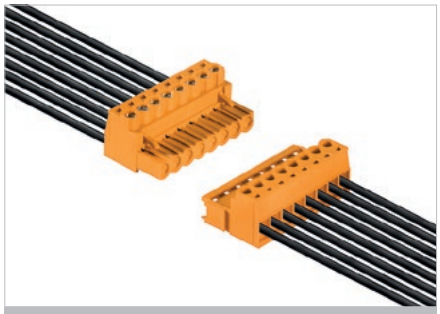


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1148030000
3	10.16	0.400	100	1148070000
4	15.24	0.600	100	1148100000
5	20.32	0.800	50	1148130000
6	25.40	1.000	50	1148170000
7	30.48	1.200	50	1148200000
8	35.56	1.400	50	1154830000
9	40.64	1.600	50	1154840000
10	45.72	1.800	50	1154850000
11	50.80	2.000	50	1154870000
12	55.88	2.200	50	1154880000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL 5.08HC/../90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

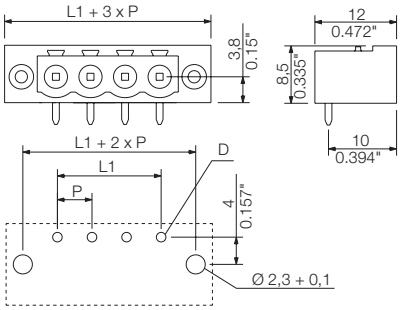
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../90F



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

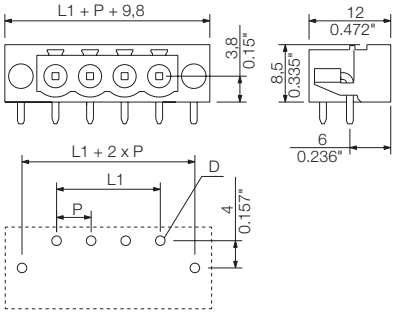
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1148610000
3	10.16	0.400	72	1148640000
4	15.24	0.600	60	1148680000
5	20.32	0.800	48	1148710000
6	25.40	1.000	42	1148740000
7	30.48	1.200	36	1148780000
8	35.56	1.400	36	1148810000
9	40.64	1.600	30	1148840000
10	45.72	1.800	30	1148880000
11	50.80	2.000	24	1148910000
12	55.88	2.200	24	1148940000

SL 5.08HC/../90LF

with solder flange



Dimensioned drawing

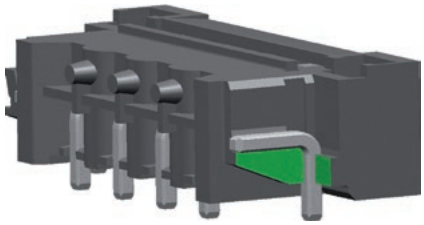


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1149380000
3	10.16	0.400	72	1149410000
4	15.24	0.600	60	1149440000
5	20.32	0.800	48	1149480000
6	25.40	1.000	42	1149510000
7	30.48	1.200	36	1149540000
8	35.56	1.400	36	1149580000
9	40.64	1.600	30	1149610000
10	45.72	1.800	30	1149640000
11	50.80	2.000	24	1149680000
12	55.88	2.200	24	1149710000

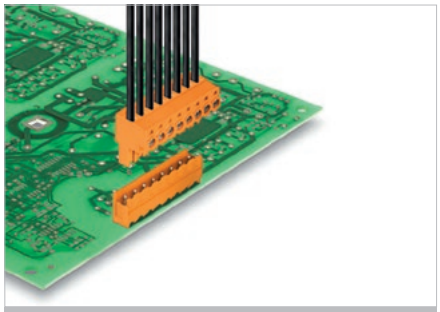
Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.
The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL 5.08HC/../180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

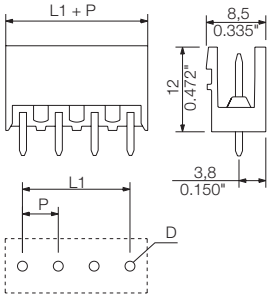
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

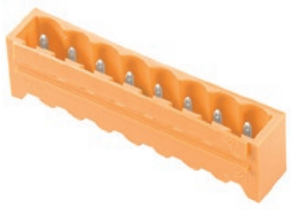
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

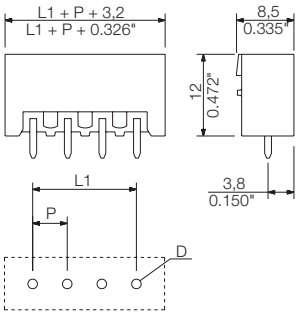
Ordering data

Solder pin length				**3.2 mm**
Colour				**orange**
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	100	**1146320000**
3	10.16	0.400	100	**1146340000**
4	15.24	0.600	100	**1146380000**
5	20.32	0.800	50	**1146410000**
6	25.40	1.000	50	**1146450000**
7	30.48	1.200	50	**1146470000**
8	35.56	1.400	50	**1146490000**
9	40.64	1.600	50	**1146510000**
10	45.72	1.800	50	**1146530000**
11	50.80	2.000	50	**1146550000**
12	55.88	2.200	50	**1146570000**

SL 5.08HC/../180G



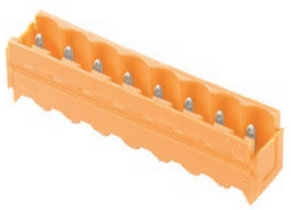
Dimensioned drawing



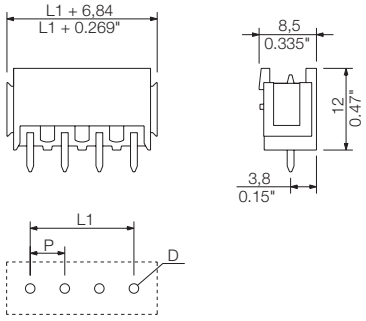
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1146730000
3	10.16	0.400	100	1146750000
4	15.24	0.600	100	1146780000
5	20.32	0.800	50	1146800000
6	25.40	1.000	50	1146820000
7	30.48	1.200	50	1146840000
8	35.56	1.400	50	1146870000
9	40.64	1.600	50	1146890000
10	45.72	1.800	50	1146910000
11	50.80	2.000	50	1146930000
12	55.88	2.200	50	1146950000

SL 5.08HC/../180B



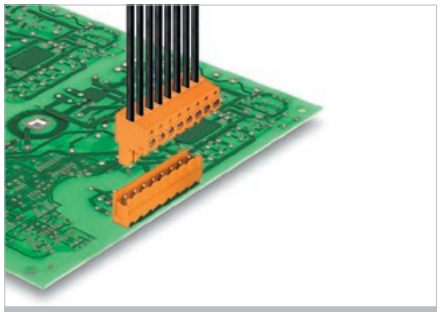
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1147300000
3	10.16	0.400	100	1147330000
4	15.24	0.600	100	1147360000
5	20.32	0.800	50	1147390000
6	25.40	1.000	50	1147430000
7	30.48	1.200	50	1147470000
8	35.56	1.400	50	1147510000
9	40.64	1.600	50	1147540000
10	45.72	1.800	50	1147580000
11	50.80	2.000	50	1147610000
12	55.88	2.200	50	1147640000

SL 5.08HC/../180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

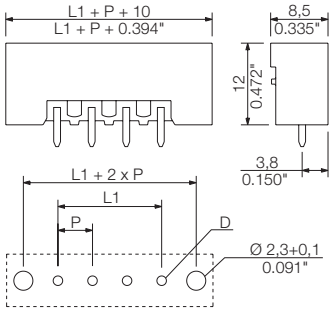
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../180F



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		18.5
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

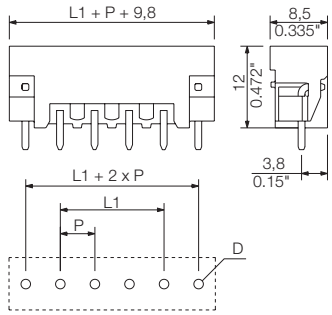
Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	5.08	0.200	90	1147130000
3	10.16	0.400	72	1147170000
4	15.24	0.600	60	1147200000
5	20.32	0.800	48	1147230000
6	25.40	1.000	42	1147260000
7	30.48	1.200	36	1147290000
8	35.56	1.400	36	1147320000
9	40.64	1.600	30	1147350000
10	45.72	1.800	30	1147380000
11	50.80	2.000	24	1147410000
12	55.88	2.200	24	1147440000

SL 5.08HC/../180LF

with solder flange



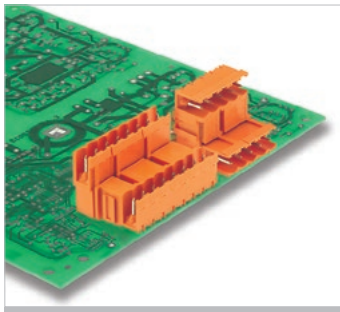
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1147890000
3	10.16	0.400	72	1147920000
4	15.24	0.600	60	1147950000
5	20.32	0.800	48	1147990000
6	25.40	1.000	42	1148020000
7	30.48	1.200	36	1148050000
8	35.56	1.400	36	1148090000
9	40.64	1.600	30	1148120000
10	45.72	1.800	30	1148150000
11	50.80	2.000	24	1148190000
12	55.88	2.200	24	1148220000

SLD 5.08V/../90 & 180



Double-level male header optimised for wave soldering. The connection levels are offset and designed for a female plug with screw- or PUSH IN wire connect. All male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 320 V / 17 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

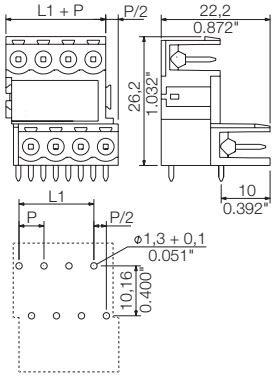
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 5.08V/90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17**		**9.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**250**	**320**
Rated impulse voltage	V	4	4	400
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Mounting block		Order No.
	SLA BB14 OR	1594200000
	SLA BB14 SW	1774460000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

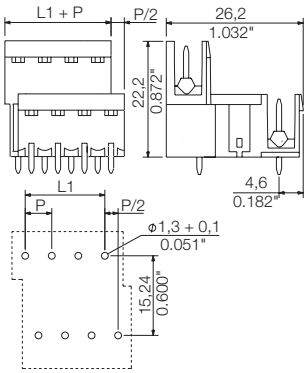
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1725170000
6	10.16	0.400	50	1725180000
8	15.24	0.600	50	1725190000
10	20.32	0.800	50	1725200000
12	25.40	1.000	50	1725210000
14	30.48	1.200	20	1725220000
16	35.56	1.400	20	1725230000
18	40.64	1.600	20	1725240000
20	45.72	1.800	20	1725250000
22	50.80	2.000	10	1725260000
24	55.88	2.200	10	1725270000

SLD 5.08V/180



Dimensioned drawing

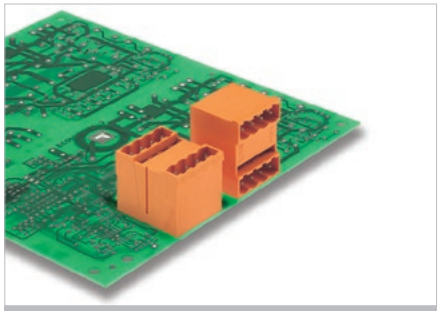


Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1725650000
6	10.16	0.400	50	1725660000
8	15.24	0.600	50	1725670000
10	20.32	0.800	50	1725680000
12	25.40	1.000	50	1725690000
14	30.48	1.200	20	1725700000
16	35.56	1.400	20	1725710000
18	40.64	1.600	20	1725720000
20	45.72	1.800	20	1725730000
22	50.80	2.000	10	1725740000
24	55.88	2.200	10	1725750000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLD 5.08/../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 320 V / 11 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

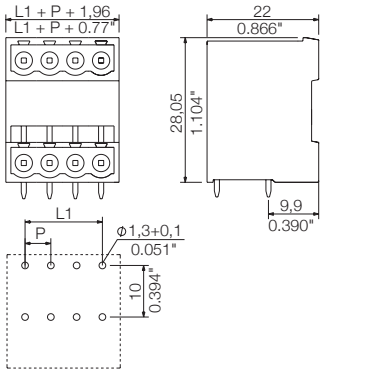
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 5.08/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**11**		**9.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**250**	**320**
Rated impulse voltage	V	4	4	400
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

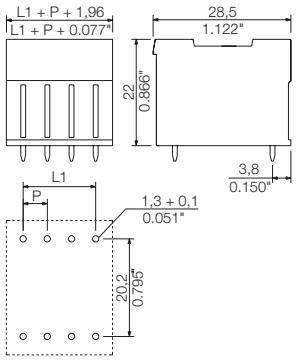
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1601790000
6	10.16	0.400	50	1601800000
8	15.24	0.600	50	1601810000
10	20.32	0.800	50	1601820000
12	25.40	1.000	50	1601830000
14	30.48	1.200	20	1601840000
16	35.56	1.400	20	1601850000
18	40.64	1.600	20	1601860000
20	45.72	1.800	20	1601870000
22	50.80	2.000	10	1601880000
24	55.88	2.200	10	1601890000

SLD 5.08/../180G



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1602390000
6	10.16	0.400	50	1602400000
8	15.24	0.600	50	1602410000
10	20.32	0.800	50	1602420000
12	25.40	1.000	50	1602430000
14	30.48	1.200	20	1602440000
16	35.56	1.400	20	1602450000
18	40.64	1.600	20	1602460000
20	45.72	1.800	20	1602470000
22	50.80	2.000	10	1602480000
24	55.88	2.200	10	1602490000

SLDF 5.08 L/F ..



Feed-through male connector with optional locking function, for mounting on front plate. Internal connection as flat-blade or solder connection. All male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

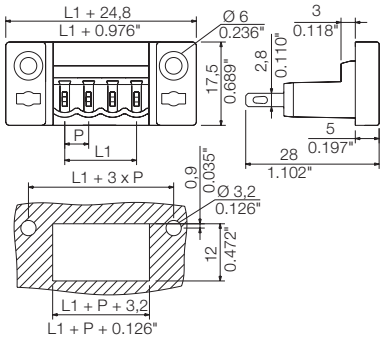
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to 2.5 mm² with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLDF 5.08 L/F ..



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.		**15**		**13**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Interlock		
	SLDF VR BK	1599120000

Ordering data

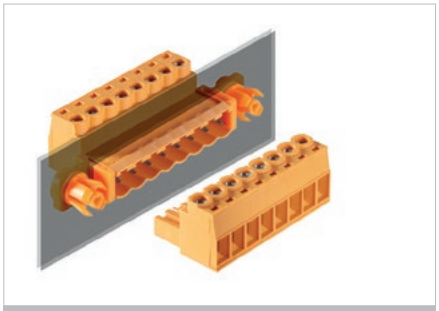
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	60	1599130000
3	10.16	0.400	48	1599140000
4	15.24	0.600	42	1599150000
5	20.32	0.800	36	1599160000
6	25.40	1.000	36	1599170000
7	30.48	1.200	30	1599180000
8	35.56	1.400	30	1599190000
9	40.64	1.600	24	1599200000
10	45.72	1.800	24	1599210000
11	50.80	2.000	24	1599220000
12	55.88	2.200	18	1599230000

SLS 5.08/../180DF



Male plug with clamping yoke/screw connection and straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications as wall or device feed-through
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

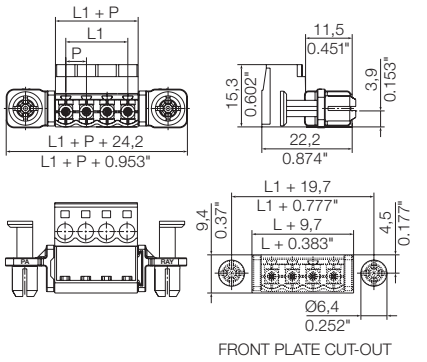
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLS 5.08/../180DF



Dimensioned drawing



FRONT PLATE CUT-OUT

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R		...2.5		
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264-A		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**21.5**		**18**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length

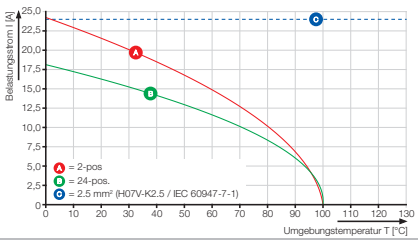
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353470000
3	10.16	0.400	42	1353480000
4	15.24	0.600	42	1353490000
5	20.32	0.800	36	1353500000
6	25.40	1.000	30	1353520000
7	30.48	1.200	30	1353530000
8	35.56	1.400	24	1353540000
9	40.64	1.600	24	1353550000
10	45.72	1.800	24	1353570000

Representative deratings curve

BLZP 5.08/../180 - SLS 5.08/../180

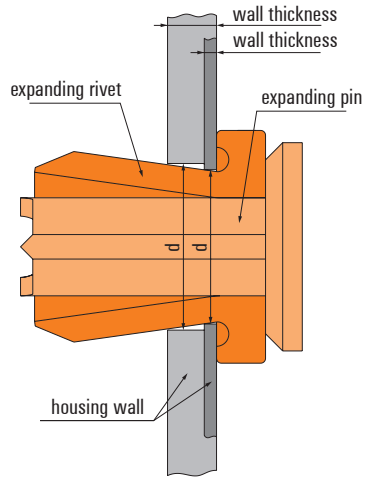


Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

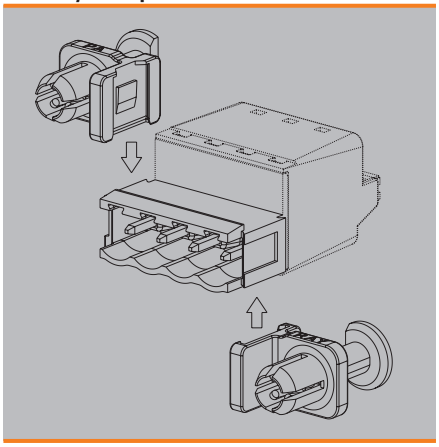
BBDF sectional drawing in the wall of the housing



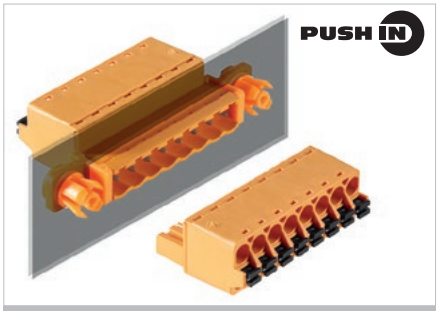
hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1,5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



SLF 5.08/../180DF



Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

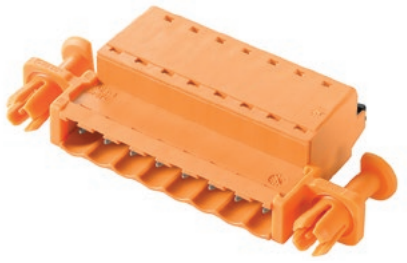
72h

For additional articles and information, refer to eshop.weidmueller.com

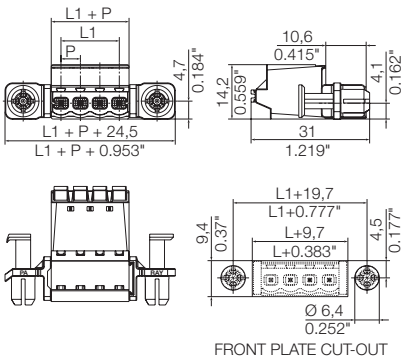
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLF 5.08/../180DF



Dimensioned drawing



FRONT PLATE CUT-OUT

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**25.9**		**22.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

Colour orange

Pitch 5.08 mm

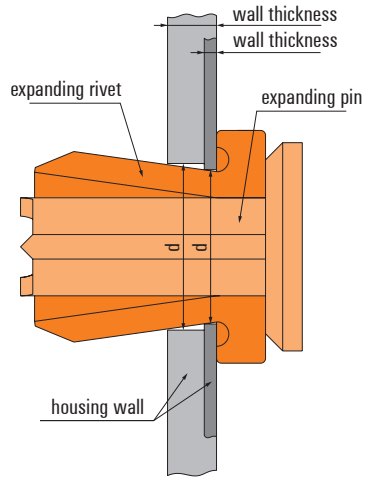
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353580000
3	10.16	0.400	42	1353590000
4	15.24	0.600	42	1353600000
5	20.32	0.800	36	1353620000
6	25.40	1.000	30	1353630000
7	30.48	1.200	30	1353640000
8	35.56	1.400	24	1353650000
9	40.64	1.600	24	1353670000
10	45.72	1.800	24	1353680000

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

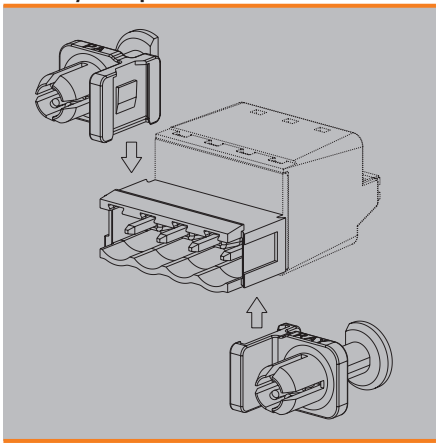
BBDF sectional drawing in the wall of the housing



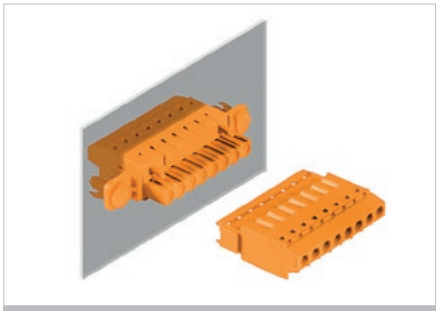
hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1,5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



BLT 5.08/../180DF



Female plug with clamping-yoke screw connection system and straight wire outlet. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

- SLT 5.08 & BLT 5.08HC 180DF for wire-to-wire applications, for wall or device feed-through

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm²
UL: 300 V / 17 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

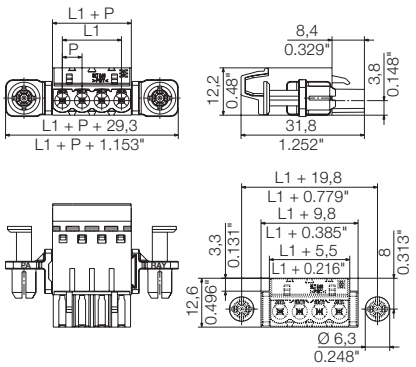
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLT 5.08/../180DF



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	13		
Screwdriver blade	mm			
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**27**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**17**		**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG	26-14		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDIS 0.6X3.5X100	2749810000
	SDS 0.6X3.5X100	2749340000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353130000
3	10.16	0.400	42	1353140000
4	15.24	0.600	42	1353150000
5	20.32	0.800	36	1353170000
6	25.40	1.000	30	1353180000
7	30.48	1.200	30	1353190000
8	35.56	1.400	24	1353200000
9	40.64	1.600	24	1353220000
10	45.72	1.800	24	1353230000

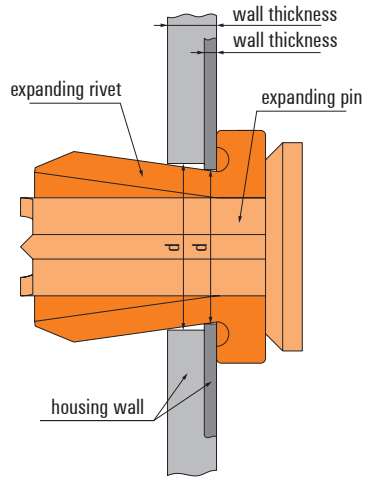
Representative deratings curve

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

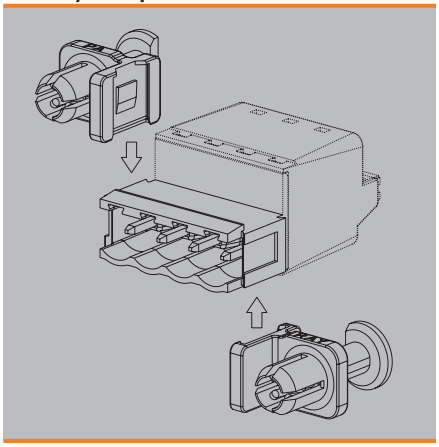
BBDF sectional drawing in the wall of the housing



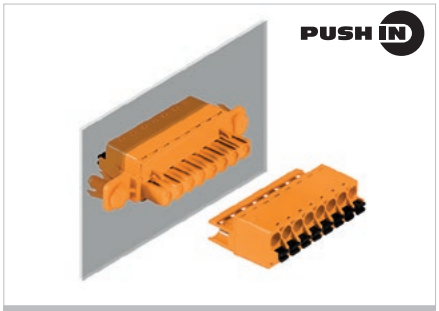
hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1,5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



BLF 5.08/../180DF



Female plug with PUSH IN wire connection system and straight outlet direction. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

- SLF 5.08 & BLF 5.08HC DF for wire-to-wire applications, for wall or device feed-through

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

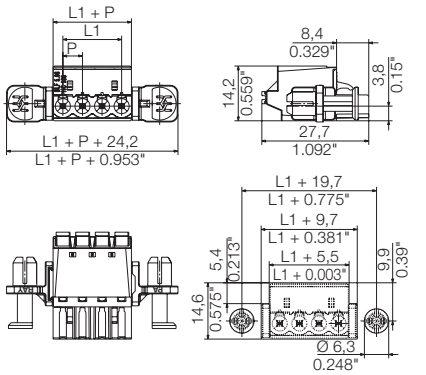
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.08/../180DF



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A			10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDIS 0.6X3.5X100	2749810000
	SDS 0.6X3.5X100	2749340000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353240000
3	10.16	0.400	42	1353250000
4	15.24	0.600	42	1353270000
5	20.32	0.800	36	1353280000
6	25.40	1.000	30	1353340000
7	30.48	1.200	30	1353290000
8	35.56	1.400	24	1353300000
9	40.64	1.600	24	1353320000
10	45.72	1.800	24	1353330000

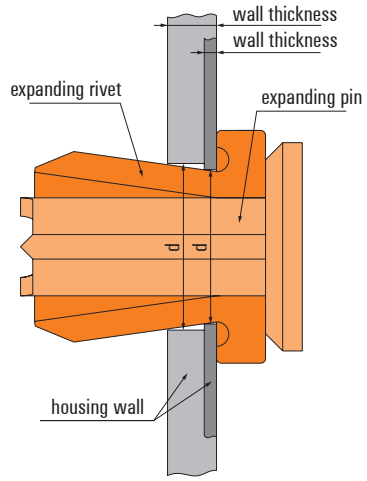
K

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

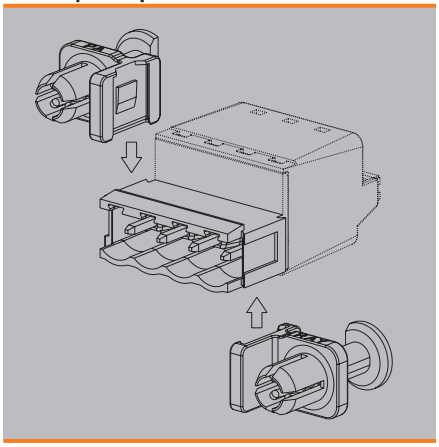
BBDF sectional drawing in the wall of the housing



hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1,5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle “STEEL FOR THE FORCE, COPPER FOR THE CURRENT“ by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it’s even both - perfect for the current, and perfect for the force.



SLS 5.08/../180



Male plug with clamping yoke screw connection and straight wire outlet. The male plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

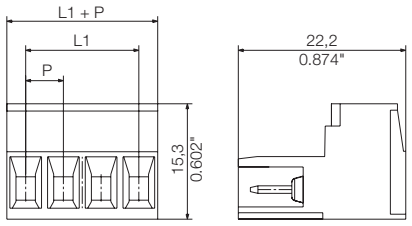
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLS 5.08/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R		...2.5		
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264-A		
Tightening torque range				
Rated current, max.	**A**	**21.5**		**18**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

Ordering data

Solder pin length

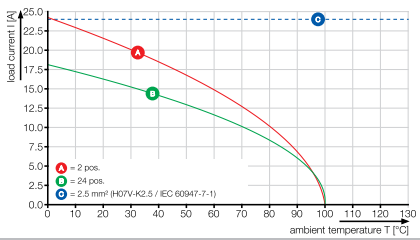
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1627090000
3	10.16	0.400	120	1627100000
4	15.24	0.600	90	1627110000
5	20.32	0.800	72	1627120000
6	25.40	1.000	60	1627130000
7	30.48	1.200	48	1627140000
8	35.56	1.400	42	1627150000
9	40.64	1.600	36	1627160000
10	45.72	1.800	36	1627170000
11	50.80	2.000	30	1627180000
12	55.88	2.200	30	1627190000

Representative deratings curve

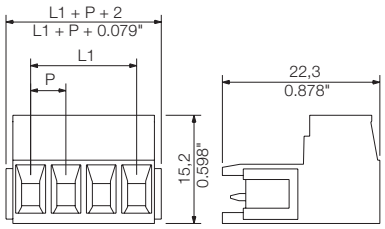
BLZP 5.08/../180 - SLS 5.08/../180



SLS 5.08/../180B



Dimensioned drawing



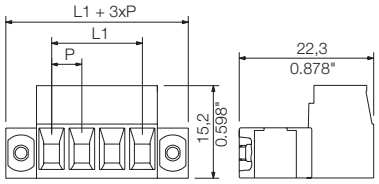
Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	150	1627240000
3	10.16	0.400	108	1627250000
4	15.24	0.600	84	1627260000
5	20.32	0.800	66	1627270000
6	25.40	1.000	54	1627280000
7	30.48	1.200	48	1627290000
8	35.56	1.400	42	1627300000
9	40.64	1.600	36	1627310000
10	45.72	1.800	30	1627320000
11	50.80	2.000	30	1627330000
12	55.88	2.200	24	1627340000

SLS 5.08/../180F



Dimensioned drawing



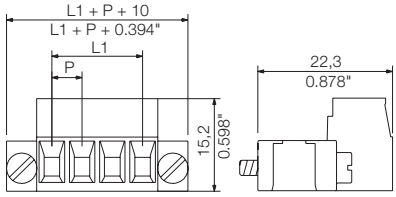
Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1846360000
3	10.16	0.400	72	1846370000
4	15.24	0.600	60	1846380000
5	20.32	0.800	48	1846390000
6	25.40	1.000	42	1846400000
7	30.48	1.200	36	1846410000
8	35.56	1.400	36	1846420000
9	40.64	1.600	30	1846430000
10	45.72	1.800	30	1846440000
11	50.80	2.000	24	1846450000
12	55.88	2.200	24	1846460000

SLS 5.08/../180FI



Dimensioned drawing

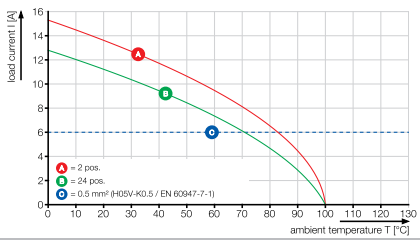


Ordering data

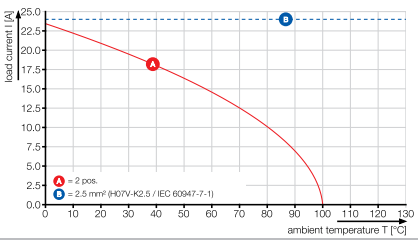
Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1846210000
3	10.16	0.400	72	1846220000
4	15.24	0.600	60	1846230000
5	20.32	0.800	48	1846240000
6	25.40	1.000	42	1846250000
7	30.48	1.200	36	1846260000
8	35.56	1.400	36	1846270000
9	40.64	1.600	30	1846280000
10	45.72	1.800	30	1846290000
11	50.80	2.000	24	1846300000
12	55.88	2.200	24	1846310000

Additional deratings curves

BLZP 5.08/../180 - SLS 5.08/../180

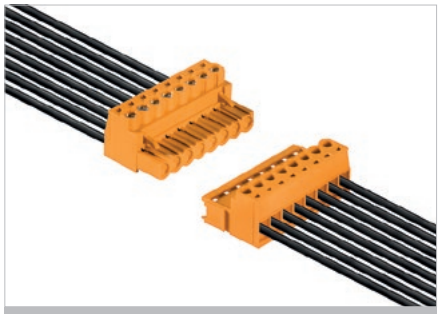


BLL 5.08/../180 - SLS 5.08/../180



K

SLS 5.08/../180TB RF15



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS15).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

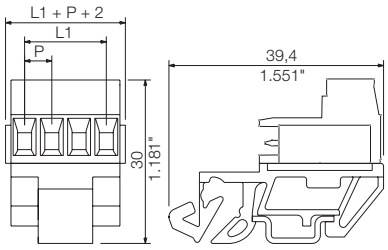
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLS 5.08/../180TB RF15



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R		...2.5		
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**21.5**		**18**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**		**26-12**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		26-12	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB8 RH OR	1446060000
	SLA BB4 OR	1571720000

Ordering data

Solder pin length

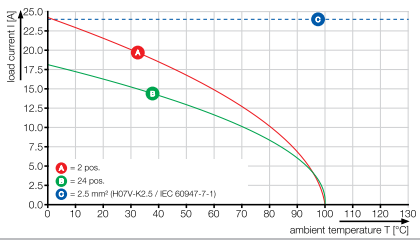
Colour orange

Pitch 5.08 mm

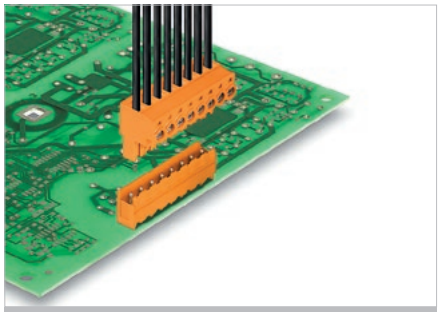
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846050000
6	25.40	1.000	20	1846060000
8	35.56	1.400	10	1846070000
10	45.72	1.800	10	1846080000
12	55.88	2.200	10	1846090000

Representative deratings curve

BLZP 5.08/../180 - SLS 5.08TB RF



SLS 5.08/../180TB KF35



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS32 / TS35).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

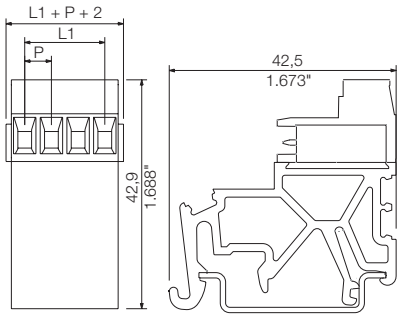
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLS 5.08/../180TB KF35



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R		...2.5		
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**21.5**		**18**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB8 RH OR	1446060000
	SLA BB4 OR	1571720000

Ordering data

Solder pin length

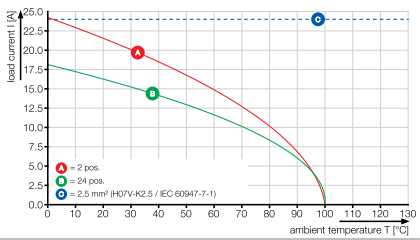
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846130000
6	25.40	1.000	20	1846140000
8	35.56	1.400	10	1846150000
10	45.72	1.800	10	1846160000
12	55.88	2.200	10	1846170000

Representative deratings curve

BLZP 5.08/../180 - SLS 5.08TB KF



SLF 5.08



Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

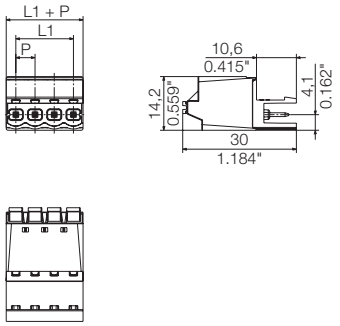
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLF 5.08/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**25.9**		**22.5**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**14**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

Colour orange

Pitch 5.08 mm

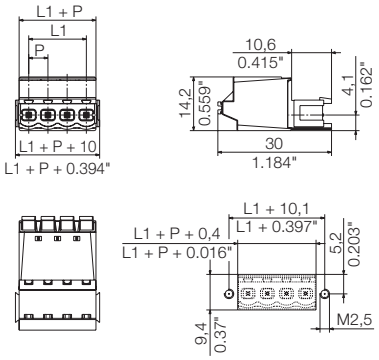
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1335330000
3	10.16	0.400	120	1335340000
4	15.24	0.600	90	1335350000
5	20.32	0.800	72	1335360000
6	25.40	1.000	60	1335370000
7	30.48	1.200	48	1335380000
8	35.56	1.400	42	1335390000
9	40.64	1.600	36	1335400000
10	45.72	1.800	36	1335410000
11	50.80	2.000	30	1335420000
12	55.88	2.200	30	1335430000

K

SLF 5.08/../180B



Dimensioned drawing



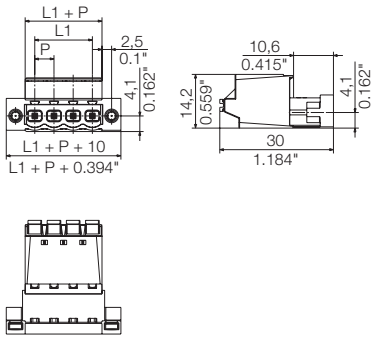
Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	150	1335440000
3	10.16	0.400	108	1335450000
4	15.24	0.600	78	1335460000
5	20.32	0.800	66	1335470000
6	25.40	1.000	54	1335480000
7	30.48	1.200	48	1335490000
8	35.56	1.400	42	1335510000
9	40.64	1.600	36	1335520000
10	45.72	1.800	30	1335530000
11	50.80	2.000	30	1335540000
12	55.88	2.200	24	1335550000

SLF 5.08/../180F



Dimensioned drawing



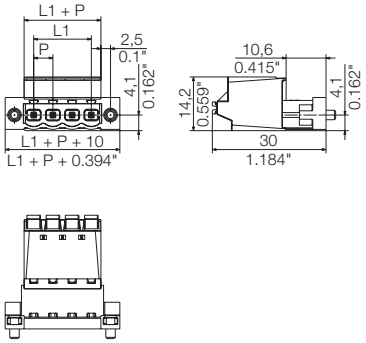
Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1335590000
3	10.16	0.400	72	1335620000
4	15.24	0.600	60	1335640000
5	20.32	0.800	54	1335660000
6	25.40	1.000	42	1335680000
7	30.48	1.200	42	1335700000
8	35.56	1.400	36	1335720000
9	40.64	1.600	30	1335740000
10	45.72	1.800	30	1335760000
11	50.80	2.000	24	1335780000
12	55.88	2.200	24	1335800000

SLF 5.08/../180FI



Dimensioned drawing

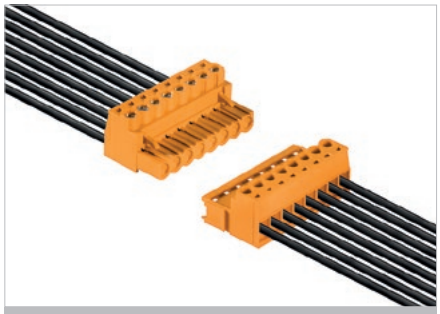


Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1336400000
3	10.16	0.400	72	1336410000
4	15.24	0.600	60	1336420000
5	20.32	0.800	54	1336430000
6	25.40	1.000	42	1336440000
7	30.48	1.200	42	1336450000
8	35.56	1.400	36	1336470000
9	40.64	1.600	30	1336480000
10	45.72	1.800	30	1336490000
11	50.80	2.000	24	1336500000
12	55.88	2.200	24	1336510000

K

BLZP 5.08HC/../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

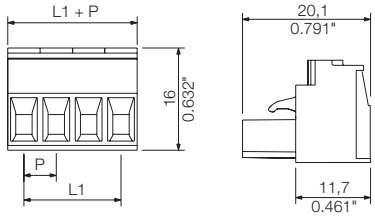
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.08HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

Solder pin length

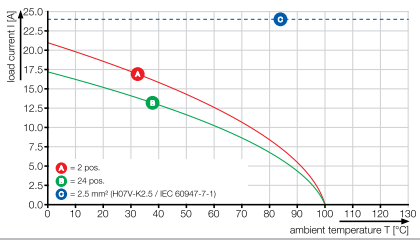
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1943580000
3	10.16	0.400	120	1943590000
4	15.24	0.600	90	1943600000
5	20.32	0.800	72	1943610000
6	25.40	1.000	60	1943620000
7	30.48	1.200	48	1943630000
8	35.56	1.400	42	1943640000
9	40.64	1.600	36	1943650000
10	45.72	1.800	36	1943660000
11	50.80	2.000	30	1943670000
12	55.88	2.200	30	1943680000

Representative deratings curve

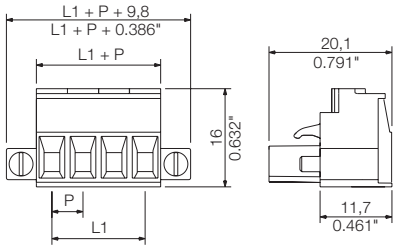
BLZP 5.08/../180 - SL 5.08/../90



BLZP 5.08HC/../180F



Dimensioned drawing



Ordering data

Solder pin length

Colour orange

Pitch 5.08 mm

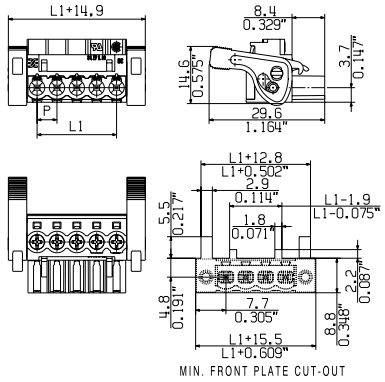
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1944090000
3	10.16	0.400	72	1944100000
4	15.24	0.600	60	1944110000
5	20.32	0.800	48	1944120000
6	25.40	1.000	42	1944130000
7	30.48	1.200	36	1944140000
8	35.56	1.400	36	1944150000
9	40.64	1.600	30	1944160000
10	45.72	1.800	30	1944170000
11	50.80	2.000	24	1944180000
12	55.88	2.200	24	1944190000

BLZP 5.08HC/../180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length

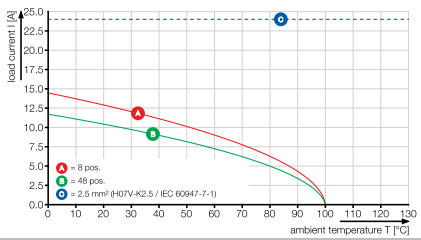
Colour orange

Pitch 5.08 mm

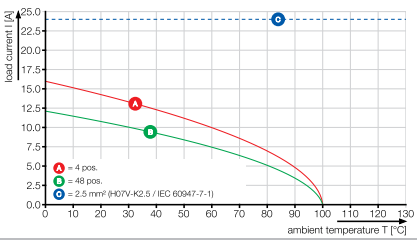
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1944830000
3	10.16	0.400	72	1944840000
4	15.24	0.600	60	1944850000
5	20.32	0.800	48	1944860000
6	25.40	1.000	42	1944870000
7	30.48	1.200	36	1944880000
8	35.56	1.400	36	1944890000
9	40.64	1.600	30	1944900000
10	45.72	1.800	30	1944910000
11	50.80	2.000	24	1944920000
12	55.88	2.200	24	1944930000

Additional deratings curves

BLZP 5.08/../180 - SLDV-THR 5.08/../180



BLZP 5.08/../180 - SLD 5.08/../180G

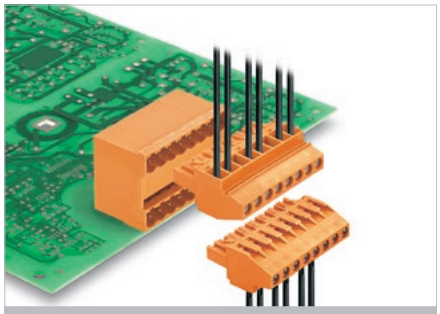


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current, and perfect for the force.



BLZP 5.08HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

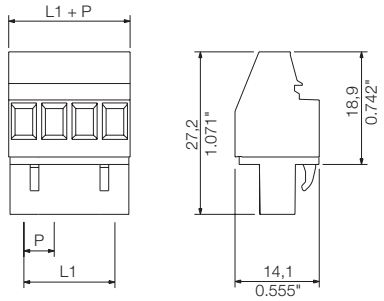
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.08HC/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

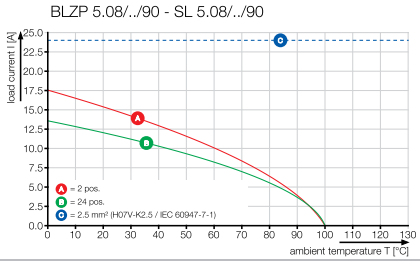
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1948000000
3	10.16	0.400	120	1948010000
4	15.24	0.600	90	1948020000
5	20.32	0.800	72	1948030000
6	25.40	1.000	60	1948040000
7	30.48	1.200	48	1948050000
8	35.56	1.400	42	1948060000
9	40.64	1.600	36	1948070000
10	45.72	1.800	36	1948080000
11	50.80	2.000	30	1948100000
12	55.88	2.200	30	1948110000

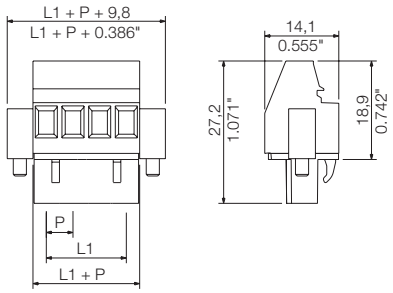
Representative deratings curve



BLZP 5.08HC/../90F



Dimensioned drawing



Ordering data

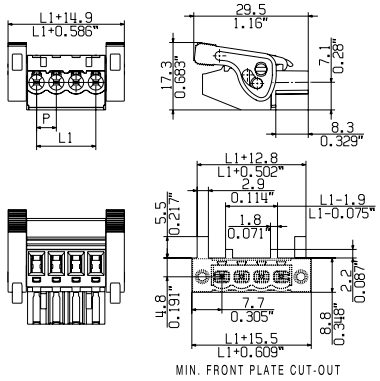
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1949800000
3	10.16	0.400	72	1949810000
4	15.24	0.600	60	1949820000
5	20.32	0.800	48	1949830000
6	25.40	1.000	42	1949840000
7	30.48	1.200	36	1949850000
8	35.56	1.400	36	1949860000
9	40.64	1.600	30	1949870000
10	45.72	1.800	30	1949880000
11	50.80	2.000	24	1949890000
12	55.88	2.200	24	1949900000

BLZP 5.08HC/../90LR

with release latch



Dimensioned drawing



Ordering data

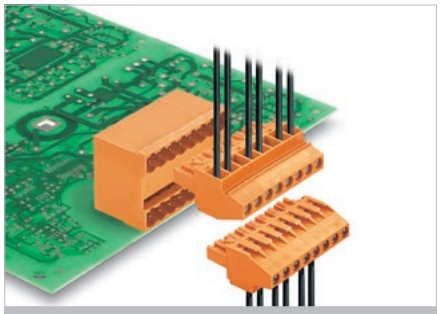
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1087250000
3	10.16	0.400	72	1087260000
4	15.24	0.600	60	1087270000
5	20.32	0.800	48	1087280000
6	25.40	1.000	42	1087290000
7	30.48	1.200	36	1087300000
8	35.56	1.400	36	1087310000
9	40.64	1.600	30	1087320000
10	45.72	1.800	30	1087330000
11	50.80	2.000	24	1087340000
12	55.88	2.200	24	1087350000

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current, and perfect for the force.



BLZP 5.08HC/../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

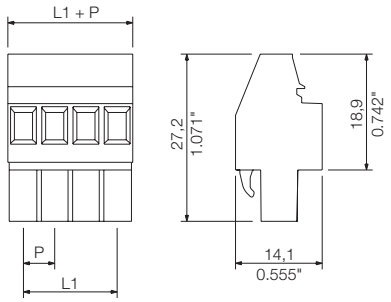
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.08HC/../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

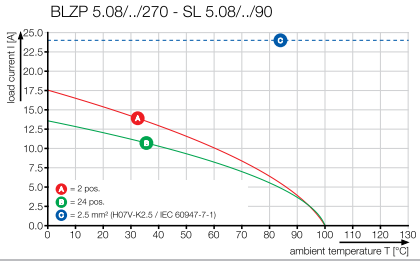
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1948790000
3	10.16	0.400	120	1948800000
4	15.24	0.600	90	1948810000
5	20.32	0.800	72	1948820000
6	25.40	1.000	60	1948830000
7	30.48	1.200	48	1948840000
8	35.56	1.400	42	1948850000
9	40.64	1.600	36	1948860000
10	45.72	1.800	36	1948870000
11	50.80	2.000	30	1948880000
12	55.88	2.200	30	1948890000

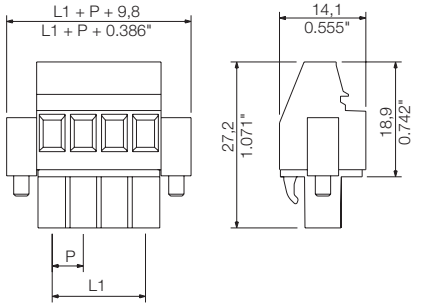
Representative deratings curve



BLZP 5.08HC/../270F



Dimensioned drawing



Ordering data

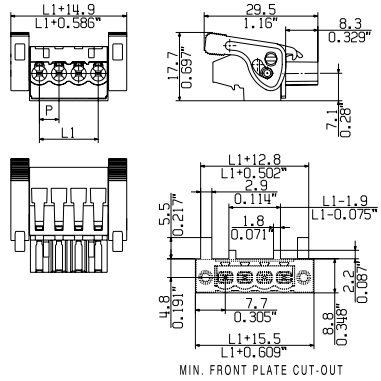
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	**1950310000**
3	10.16	0.400	72	**1950320000**
4	15.24	0.600	60	**1950330000**
5	20.32	0.800	48	**1950340000**
6	25.40	1.000	42	**1950350000**
7	30.48	1.200	36	**1950360000**
8	35.56	1.400	36	**1950370000**
9	40.64	1.600	30	**1950380000**
10	45.72	1.800	30	**1950390000**
11	50.80	2.000	24	**1950400000**
12	55.88	2.200	24	**1950410000**

BLZP 5.08HC/../270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	**1947530000**
3	10.16	0.400	72	**1947540000**
4	15.24	0.600	60	**1947550000**
5	20.32	0.800	48	**1947560000**
6	25.40	1.000	42	**1947570000**
7	30.48	1.200	36	**1947580000**
8	35.56	1.400	36	**1947590000**
9	40.64	1.600	30	**1947600000**
10	45.72	1.800	30	**1947610000**
11	50.80	2.000	24	**1947620000**
12	55.88	2.200	24	**1947630000**

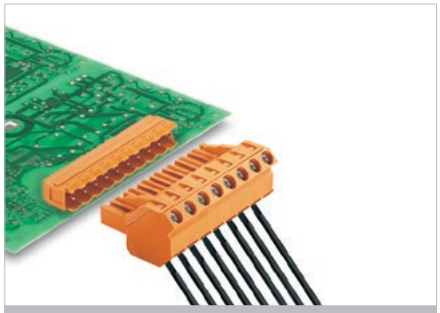
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
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and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLZP 5.08HC/../225



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

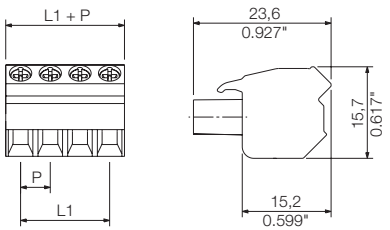
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZP 5.08HC/../225



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17.5**		**14**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	15		15
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

Solder pin length

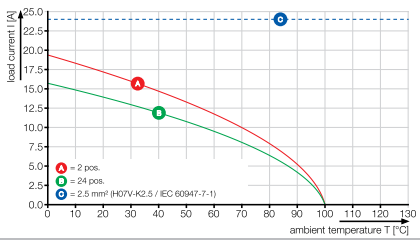
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1946250000
3	10.16	0.400	120	1946260000
4	15.24	0.600	90	1946270000
5	20.32	0.800	72	1946280000
6	25.40	1.000	60	1946290000
7	30.48	1.200	48	1946300000
8	35.56	1.400	42	1946310000
9	40.64	1.600	36	1946320000
10	45.72	1.800	36	1946330000
11	50.80	2.000	30	1946340000
12	55.88	2.200	30	1946350000

Representative deratings curve

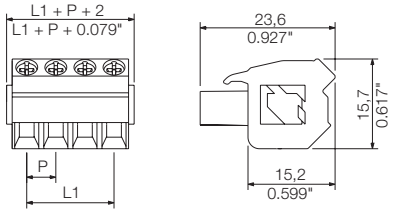
BLZP 5.08/../225 - SL 5.08/../90



BLZP 5.08HC/../225B



Dimensioned drawing



Ordering data

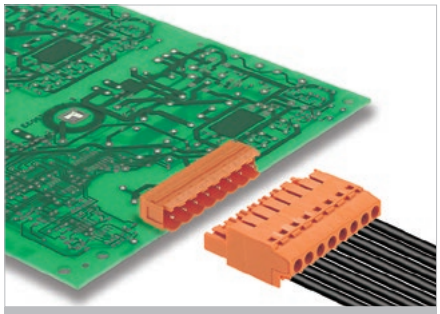
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	150	**1945750000**
3	10.16	0.400	108	**1945760000**
4	15.24	0.600	78	**1945770000**
5	20.32	0.800	66	**1945780000**
6	25.40	1.000	54	**1945790000**
7	30.48	1.200	48	**1945800000**
8	35.56	1.400	42	**1945810000**
9	40.64	1.600	36	**1945820000**
10	45.72	1.800	30	**1945830000**
11	50.80	2.000	30	**1945840000**
12	55.88	2.200	24	**1945850000**

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current,
and perfect for the force.



BLT 5.08HC/../180



The BLT is currently the most compact TOP connection of its type available in 5.08 mm pitch.

- The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point.
- The extra flat shape allows for dense component assembly.
- The specialist for cramped installations
- The screw connect and the cable entry are located on the same side of the connector.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm²
UL: 300 V / 17 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

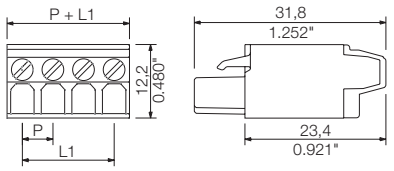
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLT 5.08HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...2.5		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...1.5		
Ferrule with plastic collar	mm²	0.2...1.5		
Stripping length	mm	13		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**27**		**24**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**17**		**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		15
AWG conductor	AWG	26-14		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLAT ZE04 OR BX	1577980000
	BLAT ZE08 OR BX	1578010000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

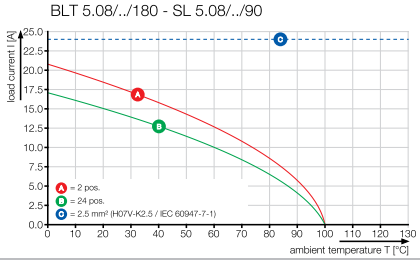
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1499560000
3	10.16	0.400	120	1499660000
4	15.24	0.600	90	1499760000
5	20.32	0.800	72	1499860000
6	25.40	1.000	60	1499960000
7	30.48	1.200	48	1500060000
8	35.56	1.400	42	1500160000
9	40.64	1.600	36	1500260000
10	45.72	1.800	36	1500360000
11	50.80	2.000	30	1500460000
12	55.88	2.200	30	1500560000

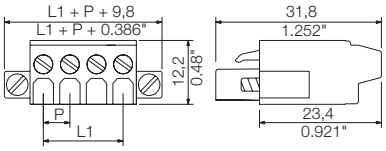
Representative deratings curve



BLT 5.08HC/../180F



Dimensioned drawing



Ordering data

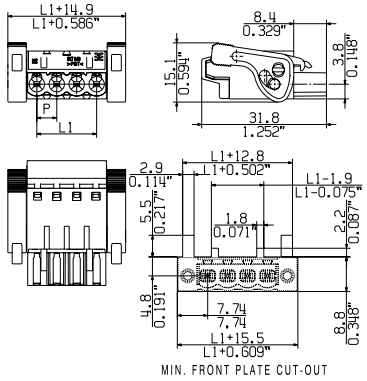
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	**1843990000**
3	10.16	0.400	72	**1844000000**
4	15.24	0.600	60	**1844010000**
5	20.32	0.800	48	**1844020000**
6	25.40	1.000	42	**1844030000**
7	30.48	1.200	36	**1844040000**
8	35.56	1.400	36	**1844050000**
9	40.64	1.600	30	**1844060000**
10	45.72	1.800	30	**1844070000**
11	50.80	2.000	24	**1844080000**
12	55.88	2.200	24	**1844090000**

BLT 5.08HC/../180LR

with release bar



Dimensioned drawing



Ordering data

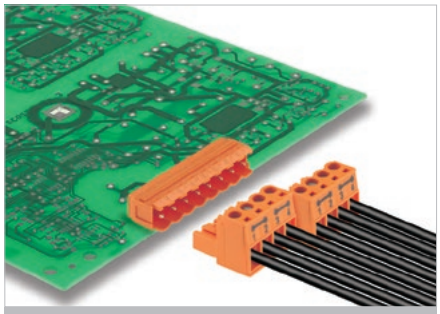
Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	**1890220000**
3	10.16	0.400	72	**1890230000**
4	15.24	0.600	60	**1890240000**
5	20.32	0.800	48	**1890250000**
6	25.40	1.000	42	**1890260000**
7	30.48	1.200	36	**1890270000**
8	35.56	1.400	36	**1890280000**
9	40.64	1.600	30	**1890290000**
10	45.72	1.800	30	**1890300000**
11	50.80	2.000	24	**1890310000**
12	55.88	2.200	24	**1890320000**

The 2-in-1 contact

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BLZ 5.08/../180 QV2



Female plug with clamping yoke screw connection and internal cross-connections for the 1-2 & 3-4 wire connections; with straight wire outlet.

- Bus signals of up to 32 A can be safely looped through
- This permits an interruption-free decoupling of individual modules from the network
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The cross-connections are clearly marked

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12

72h

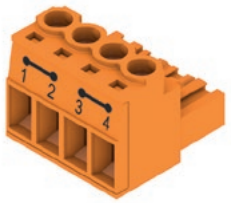
For additional articles and information, refer to eshop.weidmueller.com

Note:

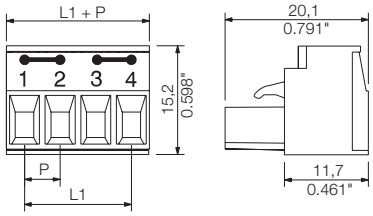
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZ 5.08/../180 QV2

with cross-connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.		**17.5**		**15**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**	**30-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

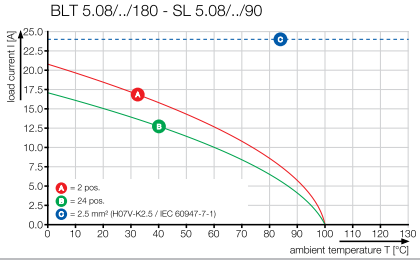
Solder pin length

Colour **orange**

Pitch **5.08 mm**

Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	90	1839770000

Representative deratings curve

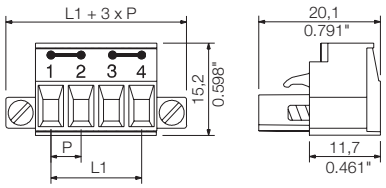


BLZ 5.08/../180F QV2

with cross-connection



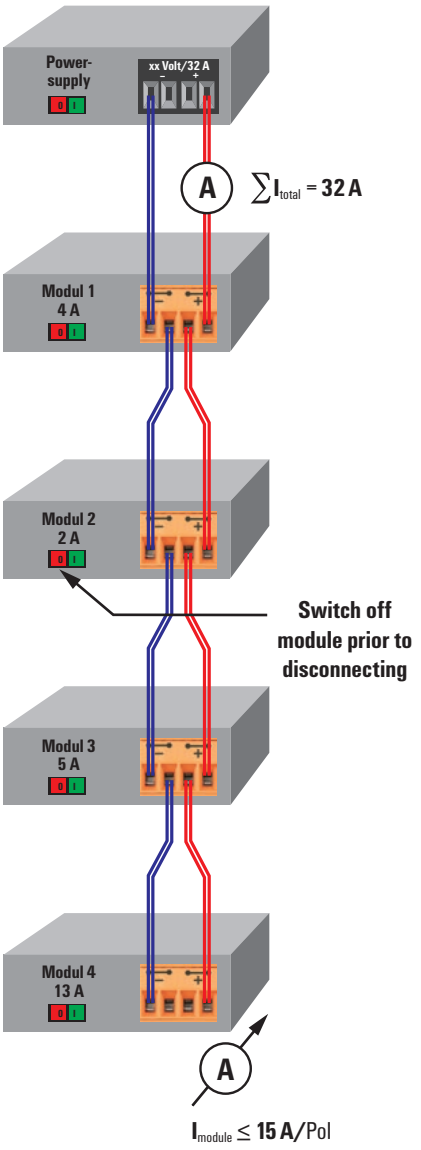
Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	60	**1846870000**

Examples of applications



32 A maximum bus current

15 A maximum module current

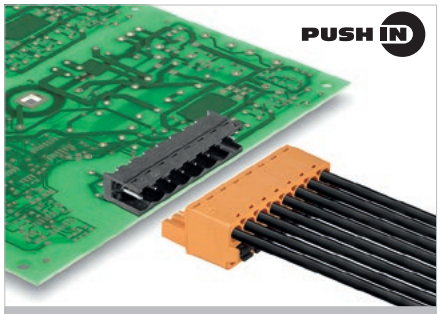
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current,
and perfect for the force.



K

BLF 5.08HC/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

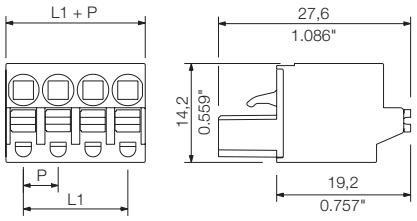
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.08HC/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A			10
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

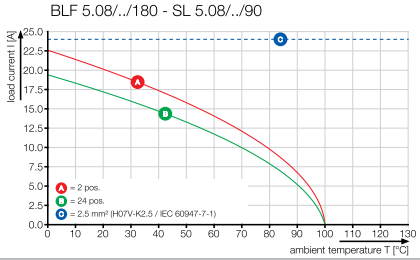
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1013680000
3	10.16	0.400	120	1013690000
4	15.24	0.600	90	1013710000
5	20.32	0.800	72	1013720000
6	25.40	1.000	60	1013730000
7	30.48	1.200	48	1013740000
8	35.56	1.400	42	1013750000
9	40.64	1.600	36	1013760000
10	45.72	1.800	36	1013770000
11	50.80	2.000	30	1013780000
12	55.88	2.200	30	1013790000

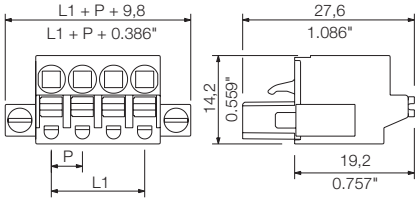
Representative deratings curve



BLF 5.08HC/../180F



Dimensioned drawing



Ordering data

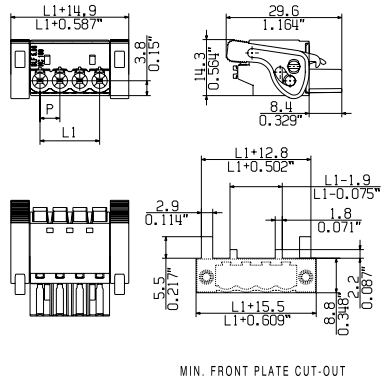
Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1013070000
3	10.16	0.400	72	1013090000
4	15.24	0.600	60	1013110000
5	20.32	0.800	48	1013120000
6	25.40	1.000	42	1013130000
7	30.48	1.200	36	1013140000
8	35.56	1.400	36	1013150000
9	40.64	1.600	30	1013160000
10	45.72	1.800	30	1013170000
11	50.80	2.000	24	1013180000
12	55.88	2.200	24	1013190000

BLF 5.08HC/../180LR

with release latch



Dimensioned drawing



MIN. FRONT PLATE CUT-OUT

Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1014370000
3	10.16	0.400	72	1014380000
4	15.24	0.600	60	1014390000
5	20.32	0.800	48	1014410000
6	25.40	1.000	42	1014420000
7	30.48	1.200	36	1014430000
8	35.56	1.400	36	1014440000
9	40.64	1.600	30	1014450000
10	45.72	1.800	30	1014460000
11	50.80	2.000	24	1014470000
12	55.88	2.200	24	1014480000

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



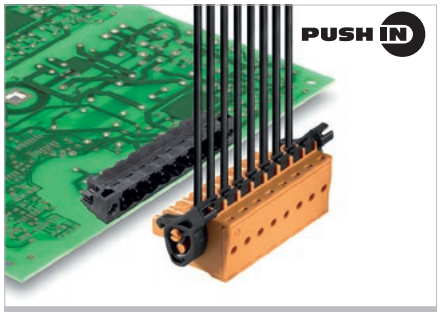
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BLF 5.08HC/../90



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

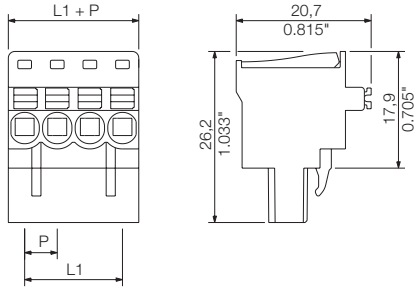
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.08HC/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	12-26		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

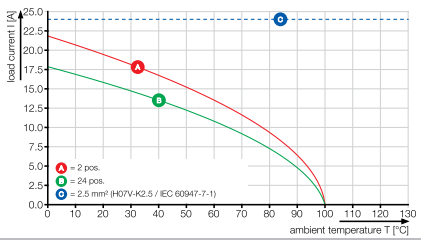
Solder pin length

Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1001530000
3	10.16	0.400	120	1001540000
4	15.24	0.600	90	1001550000
5	20.32	0.800	72	1001560000
6	25.40	1.000	60	1001570000
7	30.48	1.200	48	1001580000
8	35.56	1.400	42	1001590000
9	40.64	1.600	36	1001600000
10	45.72	1.800	36	1001610000
11	50.80	2.000	30	1001620000
12	55.88	2.200	30	1001630000

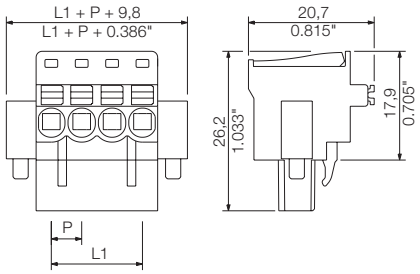
Representative deratings curve



BLF 5.08HC/../90F



Dimensioned drawing



Ordering data

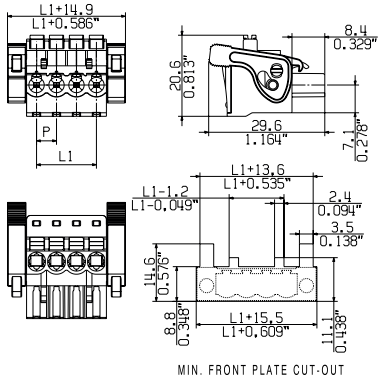
Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1002090000
3	10.16	0.400	72	1002100000
4	15.24	0.600	60	1002110000
5	20.32	0.800	48	1002120000
6	25.40	1.000	42	1002130000
7	30.48	1.200	36	1002140000
8	35.56	1.400	36	1002150000
9	40.64	1.600	30	1002160000
10	45.72	1.800	30	1002170000
11	50.80	2.000	24	1002180000
12	55.88	2.200	24	1002190000

BLF 5.08HC/../90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1002280000
3	10.16	0.400	72	1002290000
4	15.24	0.600	60	1002300000
5	20.32	0.800	48	1002310000
6	25.40	1.000	42	1002320000
7	30.48	1.200	36	1002330000
8	35.56	1.400	36	1002340000
9	40.64	1.600	30	1002350000
10	45.72	1.800	30	1002360000
11	50.80	2.000	24	1002370000
12	55.88	2.200	24	1002380000

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

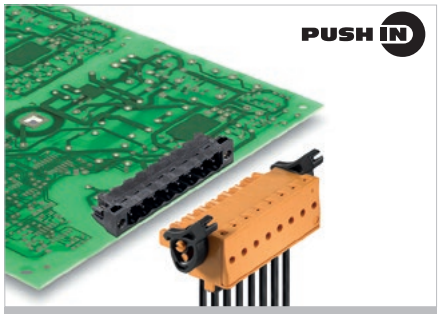


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



BLF 5.08HC/../270



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

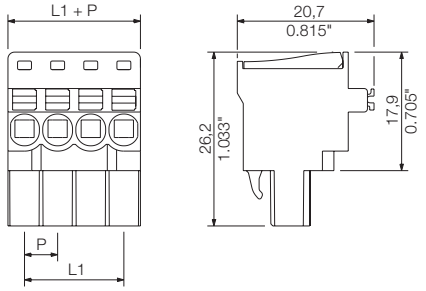
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.08HC/../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**24**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	12-26		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

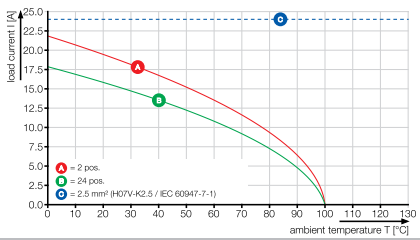
Colour orange

Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1982700000
3	10.16	0.400	120	1982710000
4	15.24	0.600	90	1982720000
5	20.32	0.800	72	1982730000
6	25.40	1.000	60	1982740000
7	30.48	1.200	48	1982750000
8	35.56	1.400	42	1982760000
9	40.64	1.600	36	1982770000
10	45.72	1.800	36	1982780000
11	50.80	2.000	30	1982790000
12	55.88	2.200	30	1982800000

Representative deratings curve

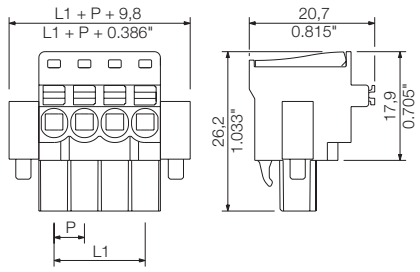
BLF 5.08/../270 - SL 5.08/../90



BLF 5.08HC/../270F



Dimensioned drawing



Ordering data

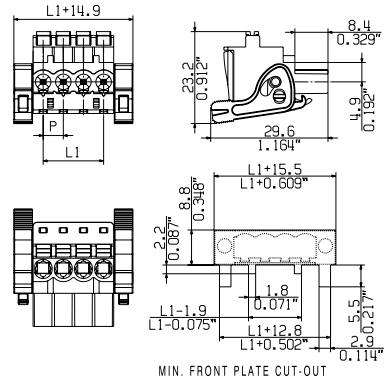
Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1982890000
3	10.16	0.400	72	1982900000
4	15.24	0.600	60	1982910000
5	20.32	0.800	48	1982920000
6	25.40	1.000	42	1982930000
7	30.48	1.200	36	1982940000
8	35.56	1.400	36	1982950000
9	40.64	1.600	30	1982960000
10	45.72	1.800	30	1982970000
11	50.80	2.000	24	1982980000
12	55.88	2.200	24	1982990000

BLF 5.08HC/../270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1983080000
3	10.16	0.400	72	1983090000
4	15.24	0.600	60	1983100000
5	20.32	0.800	48	1983110000
6	25.40	1.000	42	1983120000
7	30.48	1.200	36	1983130000
8	35.56	1.400	36	1983140000
9	40.64	1.600	30	1983150000
10	45.72	1.800	30	1983160000
11	50.80	2.000	24	1983170000
12	55.88	2.200	24	1983180000

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

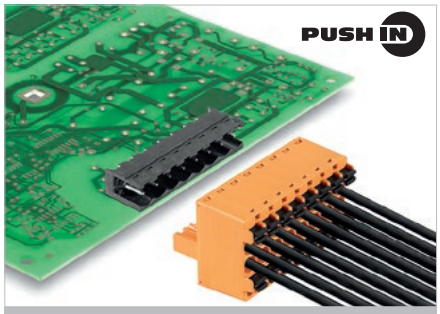


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



BLDF 5.08/../180



Bus connector with two connections per pole with the time-saving PUSH IN connection system.

- The extremely short cross-connection allows you to safely loop through bus currents of up to 22 A.
- This permits an interruption-free decoupling of individual modules from the network.
- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- An actuator must be used when connecting stranded wires with ferrules.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 20.8 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 12 - 26

72h

For additional articles and information, refer to eshop.weidmueller.com

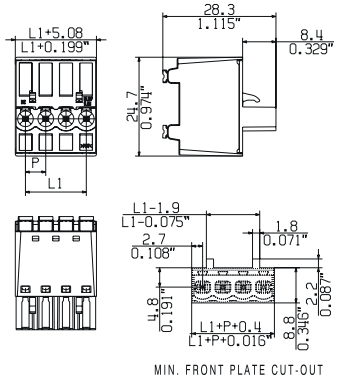
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLDF 5.08/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U	**mm²**	**0.2...2.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule	mm²	0.25...2.5		
Ferrule with plastic collar	mm²	0.25...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range				
Rated current, max.	**A**	**20.8**		**17.9**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**18.5**		**10**
AWG conductor	**AWG**	**12-26**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	18.5		10
AWG conductor	AWG	12-26		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,0/14S R	9018560000
	H1,5/14DS SW	9025240000
	H2,5/14DS BL	1333100000

Ordering data

Solder pin length

Colour orange

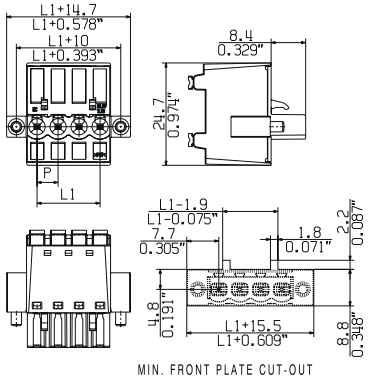
Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	120	1001150000
3	10.16	0.400	80	1001160000
4	15.24	0.600	60	1001170000
5	20.32	0.800	48	1001180000
6	25.40	1.000	40	1001190000
7	30.48	1.200	32	1001200000
8	35.56	1.400	28	1001210000

BLDF 5.08/../180F



Dimensioned drawing



Ordering data

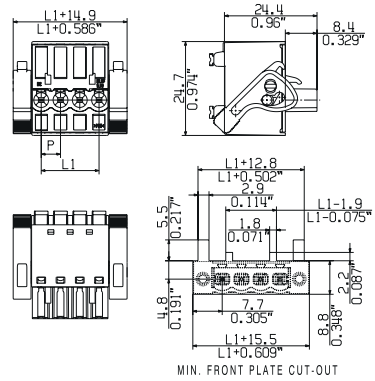
Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	60	1001220000
3	10.16	0.400	48	1012060000
4	15.24	0.600	40	1059420000
5	20.32	0.800	32	1065080000
6	25.40	1.000	28	1065090000
7	30.48	1.200	24	1065110000
8	35.56	1.400	24	1065120000

BLDF 5.08/../180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	60	1065130000
3	10.16	0.400	48	1065140000
4	15.24	0.600	40	1065150000
5	20.32	0.800	32	1065160000
6	25.40	1.000	28	1065170000
7	30.48	1.200	24	1065180000
8	35.56	1.400	24	1065190000

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

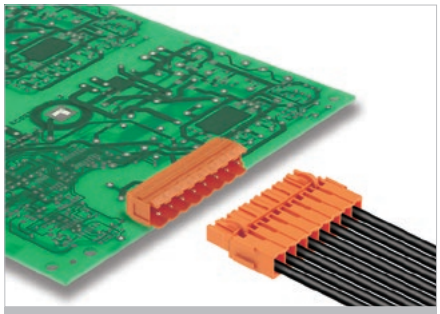


The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



BLC 5.08/../180



The female plugs with crimp connection can be used for automatically pre-assembled cable harnesses. This results in significant cost savings.

- The contacts are optimised for crimping machines (facotry wiring).
- Contacts can also be connected with manual tools (field wiring).
- High component density because of very low height
- Large wire clamping range: 0.22-2.5 mm²
- Contacts can be delivered loose in bulk, or in tape-packaged strips.

Product data

IEC: 400 V / 21 A
UL: 300 V / 10 A / AWG 26 - 14

72h

For additional articles and information, refer to eshop.weidmueller.com

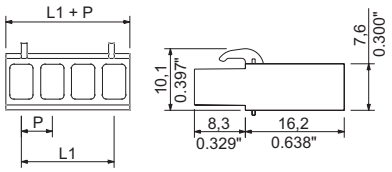
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated cross-section depends on crimp contact used.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLC 5.08/../180R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.22...2.5		
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...2.5		
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length	mm	5		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**21**		**18**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**10**		**10**
AWG conductor	**AWG**	**26-14**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG	26-14		
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
	DFFC 0.22-0.35 SN 3000	1604230000
	DFFC 0.22-0.35 SN E	1604250000
	DFFC 0.5-1.0 SN 3000	1480000000
	DFFC 0.5-1.0 SN E	1567060000
	DFFC 1.5-2.5 SN 2500	1480100000
	DFFC 1.5-2.5 SN E	1567070000
Pressing tool		
	HTF DFF	9014140000

Ordering data

Solder pin length

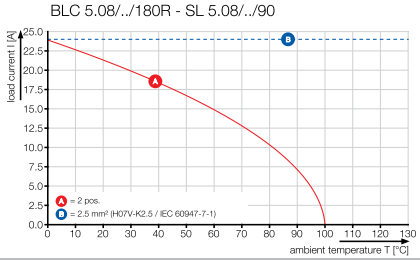
Colour orange

Pitch 5.08 mm

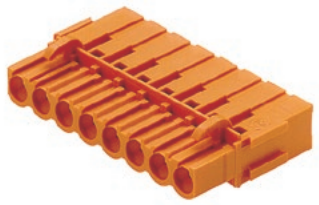
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1610490000
3	10.16	0.400	100	1610500000
4	15.24	0.600	100	1610510000
5	20.32	0.800	50	1610520000
6	25.40	1.000	50	1610530000
7	30.48	1.200	50	1610540000
8	35.56	1.400	50	1610550000
9	40.64	1.600	50	1610560000
10	45.72	1.800	50	1610570000
11	50.80	2.000	50	1610580000
12	55.88	2.200	50	1610590000

Representative deratings curve

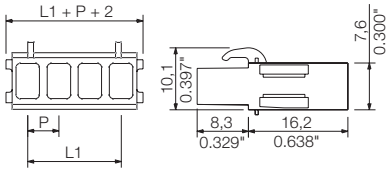
BLC 5.08/../180R - SL 5.08/../90



BLC 5.08/../180BR



Dimensioned drawing

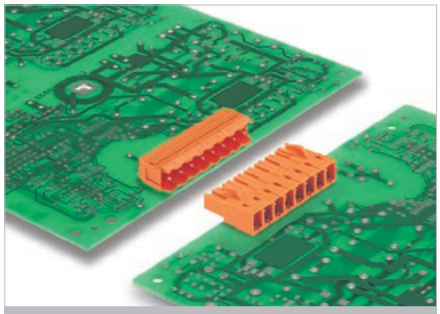


Ordering data

Solder pin length				
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	**1649370000**
3	10.16	0.400	100	**1649380000**
4	15.24	0.600	100	**1649390000**
5	20.32	0.800	50	**1649400000**
6	25.40	1.000	50	**1649410000**
7	30.48	1.200	50	**1649420000**
8	35.56	1.400	50	**1649430000**
9	40.64	1.600	50	**1649440000**
10	45.72	1.800	50	**1649450000**
11	50.80	2.000	50	**1649460000**
12	55.88	2.200	50	**1649470000**

Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLL 5.08/../90



Female headers for mounting on the circuit board; with 90° wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)
- Available with a screw flange (F).

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A

72h

For additional articles and information, refer to eshop.weidmueller.com

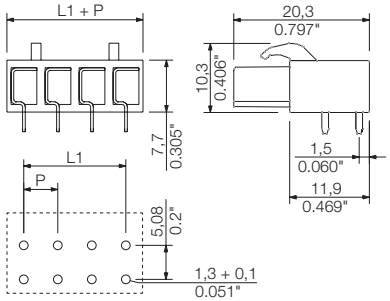
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLL 5.08/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**20**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.4 x 1.00		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

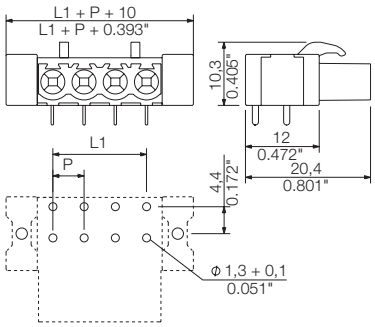
Ordering data

Solder pin length				**3.2 mm**
Colour				**orange**
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1622940000
3	10.16	0.400	120	1622950000
4	15.24	0.600	90	1622960000
5	20.32	0.800	72	1622970000
6	25.40	1.000	60	1622980000
7	30.48	1.200	48	1622990000
8	35.56	1.400	42	1623000000
9	40.64	1.600	36	1623010000
10	45.72	1.800	36	1623020000
11	50.80	2.000	30	1623030000
12	55.88	2.200	30	1623040000

BLL 5.08/../90FI



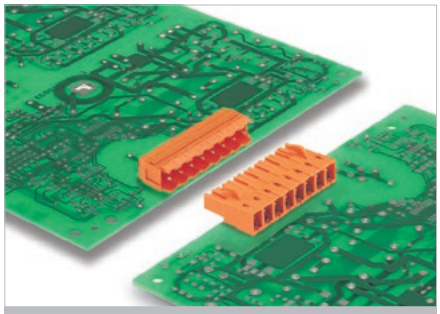
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	**1843750000**
3	10.16	0.400	72	**1843760000**
4	15.24	0.600	60	**1843770000**
5	20.32	0.800	48	**1843780000**
6	25.40	1.000	42	**1843790000**
7	30.48	1.200	36	**1843800000**
8	35.56	1.400	36	**1843810000**
9	40.64	1.600	30	**1843820000**
10	45.72	1.800	30	**1843830000**
11	50.80	2.000	24	**1843840000**
12	55.88	2.200	24	**1843850000**

BLL 5.08/../180



Female headers for mounting on the circuit board; with straight wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A

72h

For additional articles and information, refer to eshop.weidmueller.com

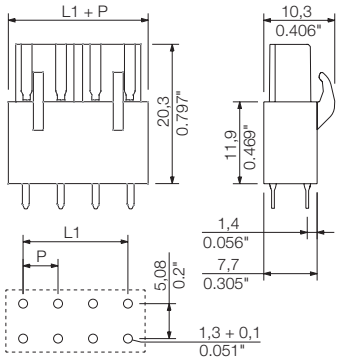
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLL 5.08/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**23**		**20**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	V	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**15**		**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.4 x 1.00		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

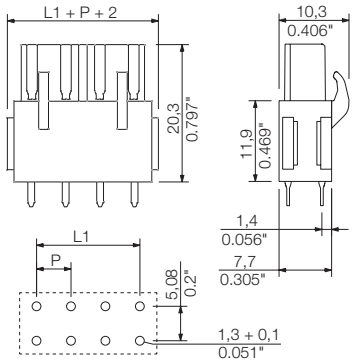
Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	5.08	0.200	180	1630710000
3	10.16	0.400	120	1630720000
4	15.24	0.600	90	1630730000
5	20.32	0.800	72	1630740000
6	25.40	1.000	60	1630750000
7	30.48	1.200	48	1630760000
8	35.56	1.400	42	1630770000
9	40.64	1.600	36	1630780000
10	45.72	1.800	36	1630790000
11	50.80	2.000	30	1630800000
12	55.88	2.200	30	1630810000

BLL 5.08/../180B



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				orange
Pitch	**5.08 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	204	**1682730000**
3	10.16	0.400	108	**1682740000**
4	15.24	0.600	84	**1682750000**
5	20.32	0.800	66	**1682760000**
6	25.40	1.000	54	**1682770000**
7	30.48	1.200	48	**1682780000**
8	35.56	1.400	42	**1682790000**
9	40.64	1.600	36	**1682800000**
10	45.72	1.800	30	**1682810000**
11	50.80	2.000	30	**1682820000**
12	55.88	2.200	24	**1682830000**

OMNIMATE® Signal
PCB connectors Series RSV

OMNIMATE® Signal
PCB connectors Series RSV

Connectors in 5.00 mm pitch
Series RSV

Explanation	L.2
Quick selection	L.4
Product selection	L.6

RSV 1.6 CB / CS

Highest flexibility with the highest density

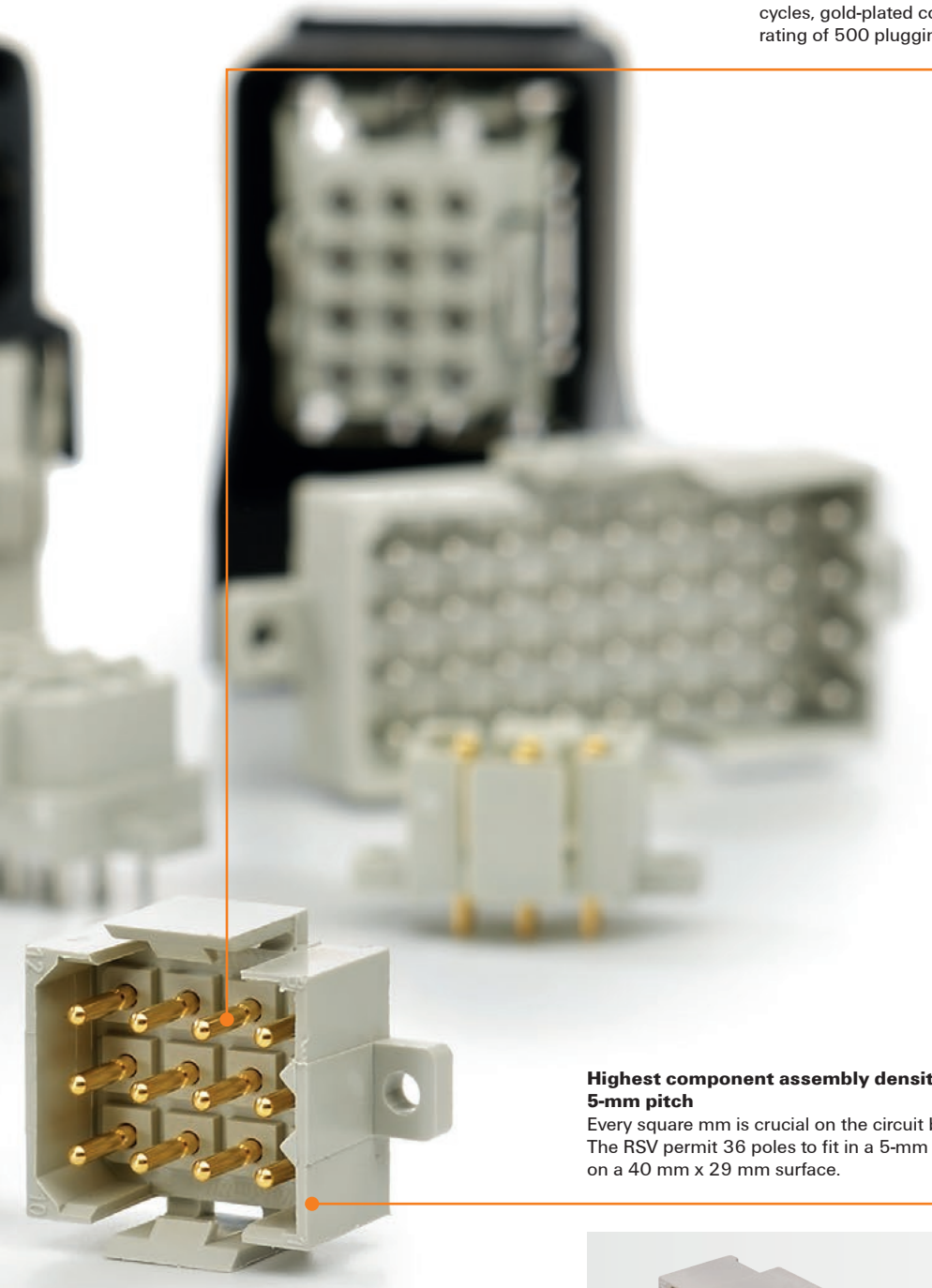
A space miracle for the PCB and the field wiring permits up to 36 contacts to be inserted in one operation. The crimp contacts ensure that the contacts can be quickly and flexibly assembled – their plastic cases automatically snap together when joined. This system can be used for many signalling purposes: whether it is soldered on to the circuit board, mounted on the rail using a mounting-rail foot, or built in to the front of the device. This product line also includes versatile coding elements, a choice between tin or gold surfaces, and snap-on plug hoods.



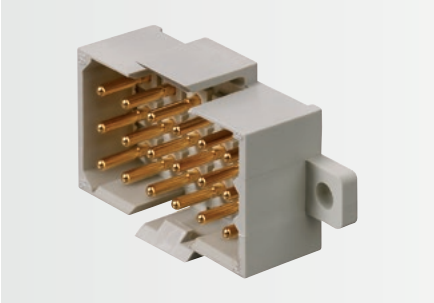
Versatile system-based wiring
Very versatile assembly: different functions can be combined with different wire cross-sections (from 0.14 mm² to 2.5 mm²). Tin-plated or gold-plated contact surfaces can be custom selected from pole to pole based on your application requirements. This delivers clear cost savings. Higher voltages may require larger clearance gaps between the contacts. This problem can be solved without changing to a different type of connector by simply occupying every second pole.



Also with gold contacts to meet application requirements
Gold-plated contacts are the best solution for very low currents or voltages, such as those used with measurements. Gold surfaces are a reliable safeguard against friction corrosion caused by long-term vibrations. Compared to tin contacts which are rated for 100 plugging cycles, gold-plated contacts have an increased rating of 500 plugging cycles.

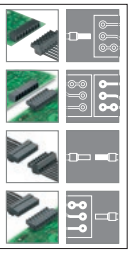


Highest component assembly density for 5-mm pitch
Every square mm is crucial on the circuit board. The RSV permit 36 poles to fit in a 5-mm pitch on a 40 mm x 29 mm surface.



www.weidmueller.com/omnimate

= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire

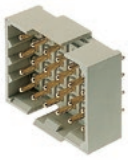


Series RSV

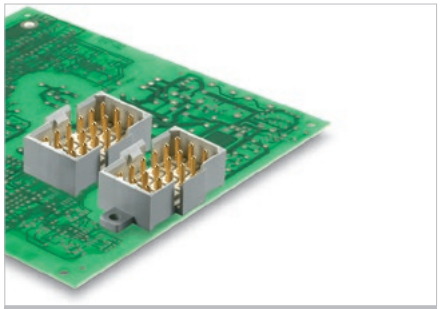
			Type	Contact surface	Flange options	Levels IEC / UL
Female plug	Crimp		**RSV1.6 CB..**	Tin / Gold	(G)	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12
Female header	Solder connection		**RSV1.6 LB.. SN**	Tin	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A
			**RSV1.6 LB.. AU**	Gold	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A

(G)* = Closed (without flange)
F = Flange

* = not included in the article description

Male header		Male plug
Solder connection		Crimp
		
1		1
RSV1.6 LS.. SN	RSV1.6 LS.. AU	RSV1.6 CS..
Tin	Gold	Tin / Gold
(G)/F	(G)/F	(G)
IEC: 500 V/14 A UL: 300 V/10 A	IEC: 500 V/14 A UL: 300 V/10 A	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12
○	○	●
●		●
	●	●

RSV1.6 LS..



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A

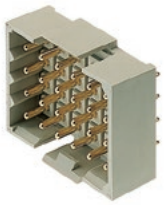
72h

For additional articles and information, refer to eshop.weidmueller.com

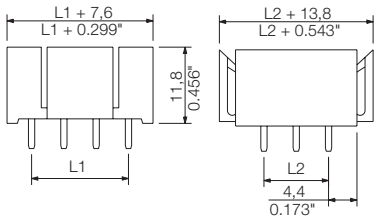
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LS.. SN



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**14**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage			300	
Rated current			13	
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 66/6	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.97	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

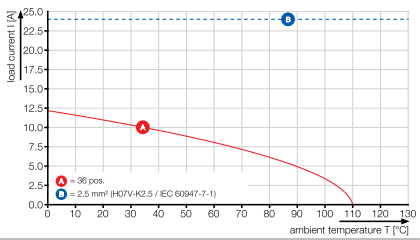
Coding		Order No.
	RSV1,6 KO	1567430000

Ordering data

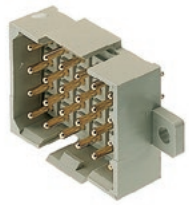
Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.00	0.197	100	1440500000
6	10.00	0.394	50	1441500000
9	10.00	0.394	50	1442500000
12	15.00	0.591	25	1443500000
18	25.00	0.984	25	1444500000
24	25.00	0.984	20	1445500000
36	40.00	1.575	10	1446500000

Representative deratings curve

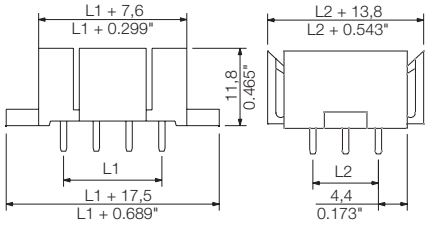
RSV1.6 CB.. - RSV1.6 LS..



RSV1.6 LSF.. SN



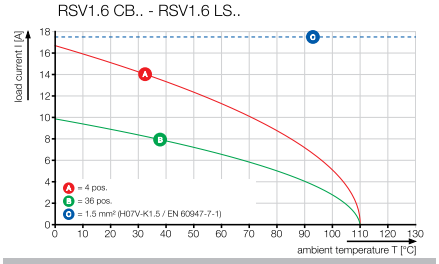
Dimensioned drawing



Ordering data

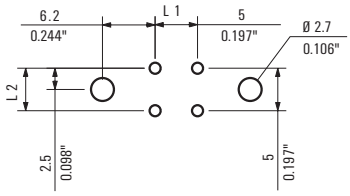
Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440900000
6	10.00	0.394	50	1441900000
9	10.00	0.394	50	1442900000
12	15.00	0.591	25	1443900000
18	25.00	0.984	25	1444900000
24	25.00	0.984	20	1445900000
36	40.00	1.575	10	1446900000

Additional deratings curves

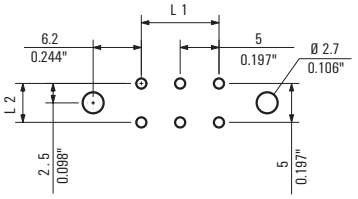


Drilling diagrams

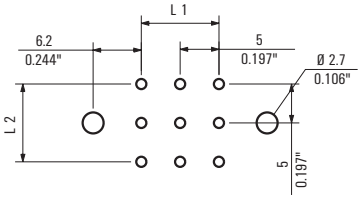
4-pole



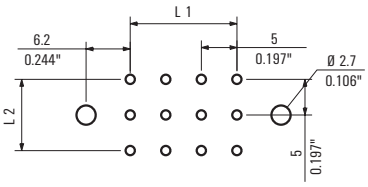
6-pole



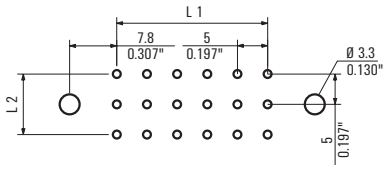
9-pole



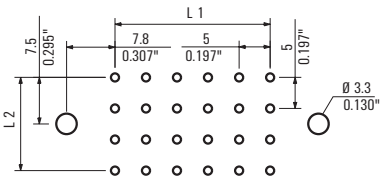
12-pole



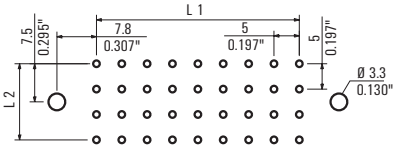
18-pole



24-pole

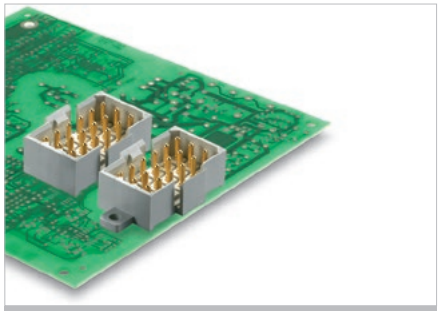


36-pole



L

RSV1.6 LB..



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

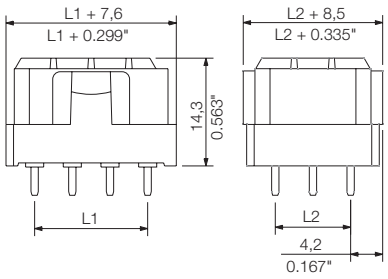
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LB.. SN



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**14**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage			**300**	
Rated current			**10**	
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage			300	
Rated current			13	
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 66/6	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.97	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

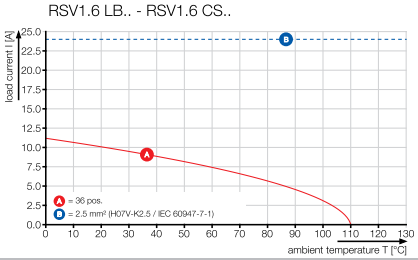
Coding		Order No.
	RSV1,6 KO	1567430000

Ordering data

Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.00	0.197	100	1440300000
6	10.00	0.394	50	1441300000
9	10.00	0.394	50	1442300000
12	15.00	0.591	25	1443300000
18	25.00	0.984	25	1444300000
24	25.00	0.984	20	1445300000
36	40.00	1.575	10	1446300000

Representative deratings curve

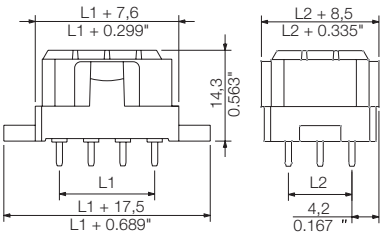
RSV1.6 LB.. - RSV1.6 CS..



RSV1.6 LBF.. SN



Dimensioned drawing

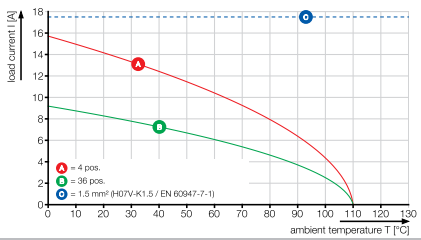


Ordering data

Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440700000
6	10.00	0.394	50	1441700000
9	10.00	0.394	50	1442700000
12	15.00	0.591	25	1443700000
18	25.00	0.984	25	1444700000
24	25.00	0.984	20	1445700000
36	40.00	1.575	10	1446700000

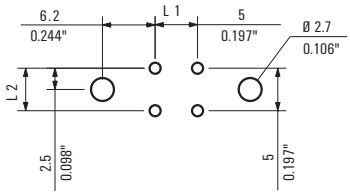
Additional deratings curves

RSV1.6 LB.. - RSV1.6 CS..

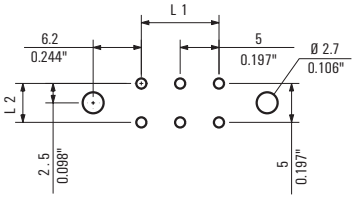


Drilling diagrams

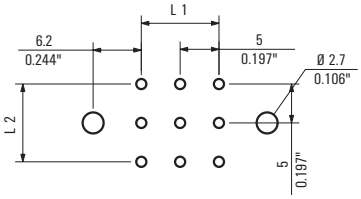
4-pole



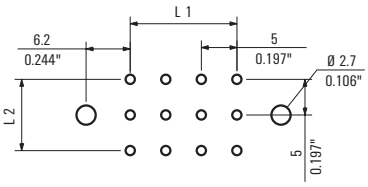
6-pole



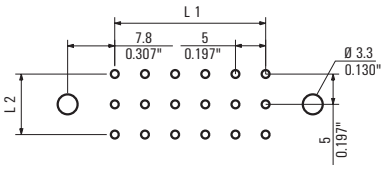
9-pole



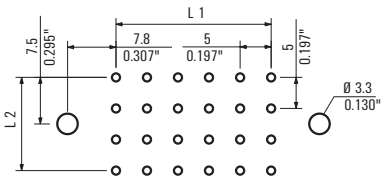
12-pole



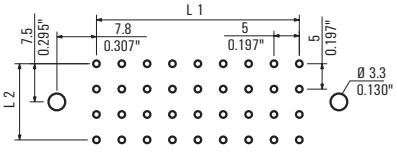
18-pole



24-pole

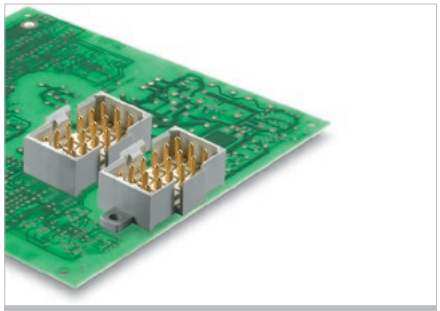


36-pole



L

RSV1.6 LS.. AU



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A

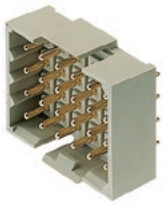
72h

For additional articles and information, refer to eshop.weidmueller.com

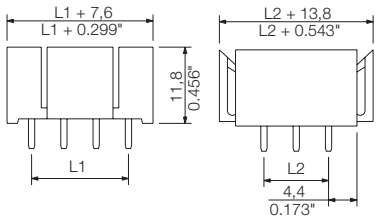
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LS.. AU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**14**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage			300	
Rated current			13	
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 66/6	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			Au (Gold)	
Pin dimensions = d	mm		0.97	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

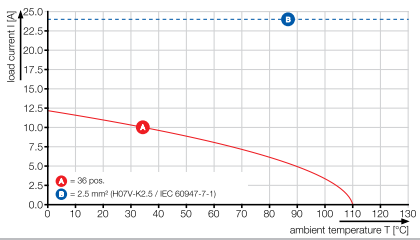
Coding		Order No.
	RSV1,6 KO	1567430000

Ordering data

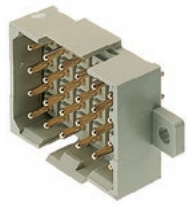
Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.00	0.197	100	1440400000
6	10.00	0.394	50	1441400000
9	10.00	0.394	50	1442400000
12	15.00	0.591	25	1443400000
18	25.00	0.984	25	1444400000
24	25.00	0.984	20	1445400000
36	40.00	1.575	10	1446400000

Representative deratings curve

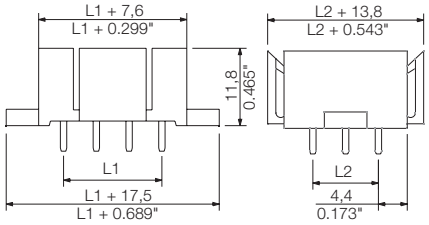
RSV1.6 CB.. - RSV1.6 LS..



RSV1.6 LSF.. AU



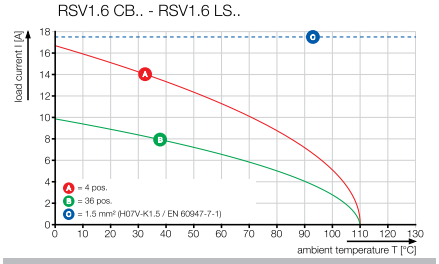
Dimensioned drawing



Ordering data

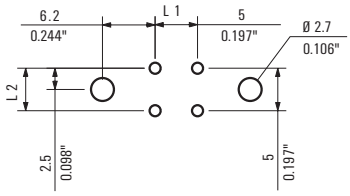
Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440800000
6	10.00	0.394	50	1441800000
9	10.00	0.394	50	1442800000
12	15.00	0.591	25	1443800000
18	25.00	0.984	25	1444800000
24	25.00	0.984	20	1445800000
36	40.00	1.575	10	1446800000

Additional deratings curves

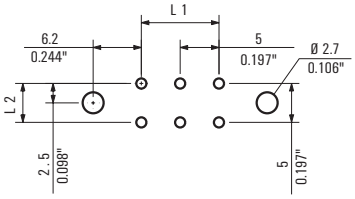


Drilling diagrams

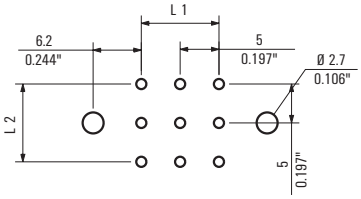
4-pole



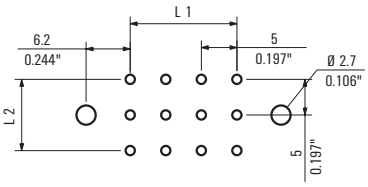
6-pole



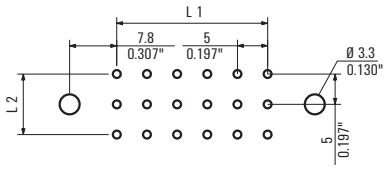
9-pole



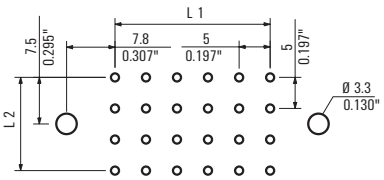
12-pole



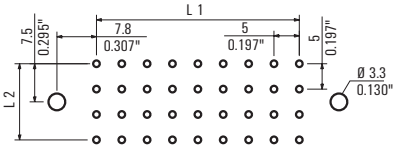
18-pole



24-pole

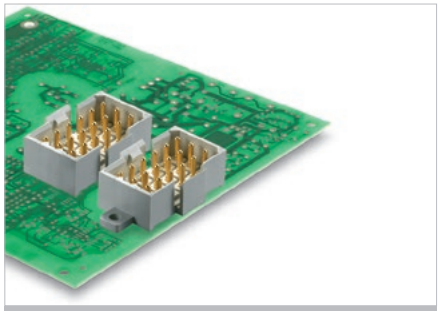


36-pole



L

RSV1.6 LB.. AU



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A

72h

For additional articles and information, refer to eshop.weidmueller.com

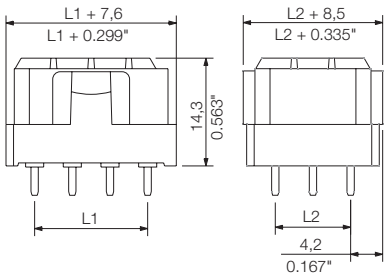
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LB.. AU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**14**		**12**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**500**
Rated impulse voltage	kV	4	2.5	2.5
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage			**300**	
Rated current			**10**	
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage			300	
Rated current			13	
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 66/6	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			Au (Gold)	
Pin dimensions = d	mm		0.97	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

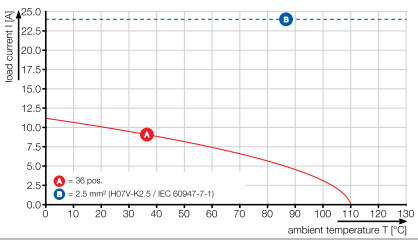
Coding		Order No.
	RSV1,6 KO	1567430000

Ordering data

Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	5.00	0.197	100	1440200000
6	10.00	0.394	50	1441200000
9	10.00	0.394	50	1442200000
12	15.00	0.591	25	1443200000
18	25.00	0.984	25	1444200000
24	25.00	0.984	20	1445200000
36	40.00	1.575	10	1446200000

Representative deratings curve

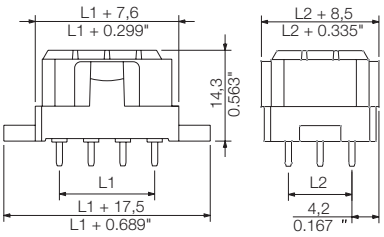
RSV1.6 LB.. - RSV1.6 CS..



RSV1.6 LBF.. AU



Dimensioned drawing

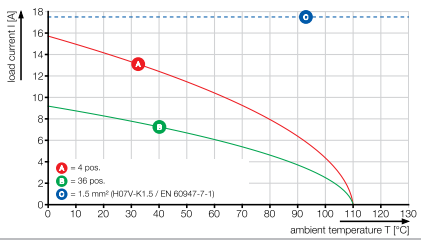


Ordering data

Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440600000
6	10.00	0.394	50	1441600000
9	10.00	0.394	50	1442600000
12	15.00	0.591	25	1443600000
18	25.00	0.984	25	1444600000
24	25.00	0.984	20	1445600000
36	40.00	1.575	10	1446600000

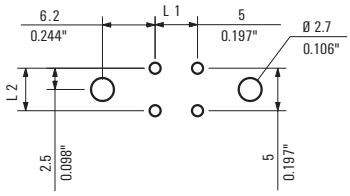
Additional deratings curves

RSV1.6 LB.. - RSV1.6 CS..

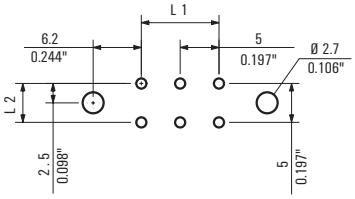


Drilling diagrams

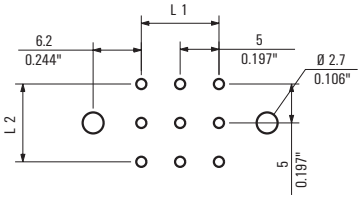
4-pole



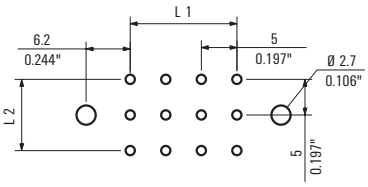
6-pole



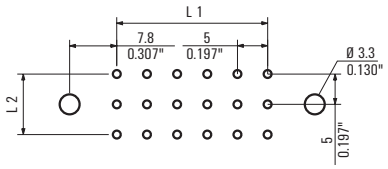
9-pole



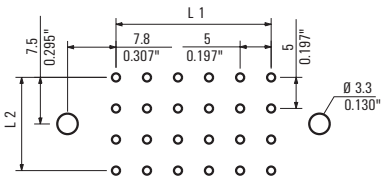
12-pole



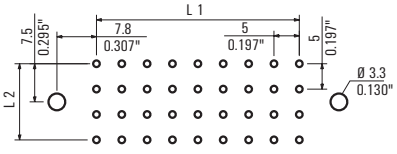
18-pole



24-pole



36-pole



L

RSV1.6 CS.. & CB..



Rectangular plug-in connector for use with crimp contacts. Can be used as universal coupling, but also with the PCB variations. The crimp contacts guarantee a high connection density. The CS 1.6 or CB 1.6 contacts are used here. The connectors can be coded and locked together with their mates. Supplied in cardboard box.

Product data

IEC: 630 V / 17 A
UL: 600 V / 10 A / AWG 26 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

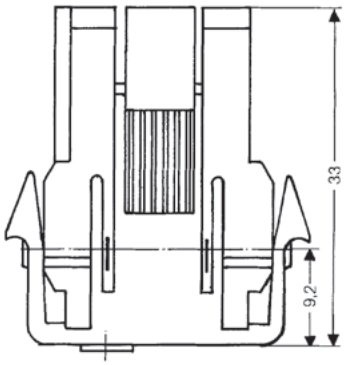
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated cross-section depends on crimp contact used.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the cable (with insulation): 3.5 mm
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 CS..



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...3.31		
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...2.5		
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length	mm	4		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**17**		**15**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**400**	**630**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage			600	
Rated current			13	
AWG conductor	AWG		26-12	
General data				
Type of insulation material			PA 66/6	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Release tool		Order No.
	DW RSV 1.6	9004530000
Pressing tool		
	HTF RSV 16	9013560000
Clip-in foot		
	RSV1,6 RF12/35X15 SW	1690140000
	RSV1,6 RF12/35X7.5 SW	1582940000
	RSV1,6 RF18/35X15 SW	1690150000
	RSV1,6 RF18/35X7.5 SW	1582950000
	RSV1,6 RF24/35X15 SW	1690160000
	RSV1,6 RF24/35X7.5 SW	1582960000
	RSV1,6 RF36/35X15 SW	1690170000
	RSV1,6 RF36/35X7.5 SW	1582970000
	RSV1,6 RF4/35X15 SW	1690110000
	RSV1,6 RF4/35X7.5 SW	1582910000
	RSV1,6 RF6/35X15 SW	1690120000
	RSV1,6 RF6/35X7.5 SW	1582920000
	RSV1,6 RF9/35X15 SW	1690130000
	RSV1,6 RF9/35X7.5 SW	1582930000
Strain relief		
	RSV1,6 ZE12 BK BX	1563300000
	RSV1,6 ZE18 BK BX	1563200000
	RSV1,6 ZE24 BK BX	1563100000
	RSV1,6 ZE36 BK BX	1563000000
	RSV1,6 ZE04 BK BX	1563600000
	RSV1,6 ZE06 BK BX	1563500000
	RSV1,6 ZE09 BK BX	1563400000
Coding		
	RSV1,6 KO	1567430000

Ordering data

Solder pin length

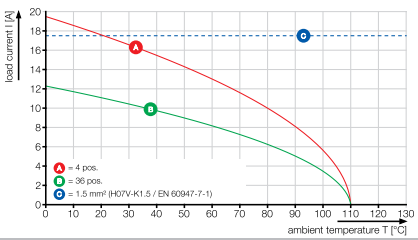
Colour Pebble grey

Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	25	1413100000
6	10.00	0.394	25	1414100000
9	10.00	0.394	25	1415100000
12	15.00	0.591	25	1416100000
18	25.00	0.984	25	1417100000
24	25.00	0.984	20	1418100000
36	40.00	1.575	10	1419100000

Representative deratings curve

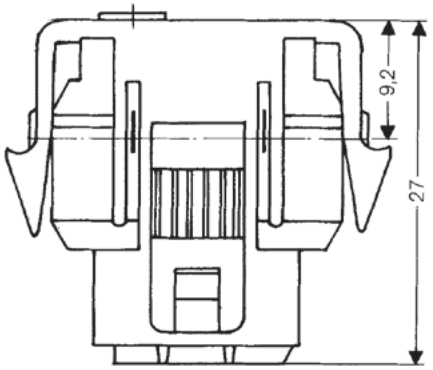
RSV1.6 CB.. - RSV1.6 CS..



RSV1.6 CB..



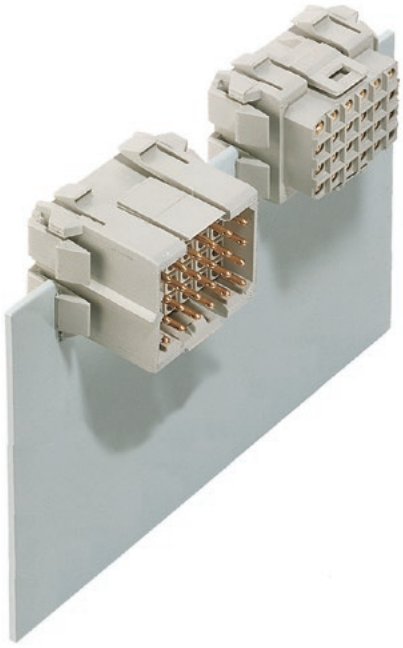
Dimensioned drawing



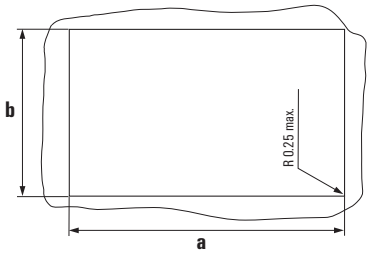
Ordering data

Solder pin length				
Colour				Pebble grey
Pitch	**5.00 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	25	**1413000000**
6	10.00	0.394	25	**1414000000**
9	10.00	0.394	25	**1415000000**
12	15.00	0.591	25	**1416000000**
18	25.00	0.984	25	**1417000000**
24	25.00	0.984	20	**1418000000**
36	40.00	1.575	10	**1419000000**

Mounting cutout



- Spring clips ensure firm hold in enclosure wall

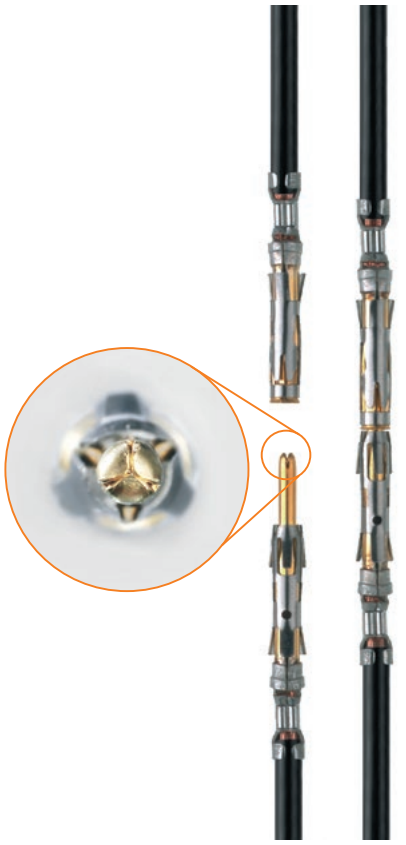


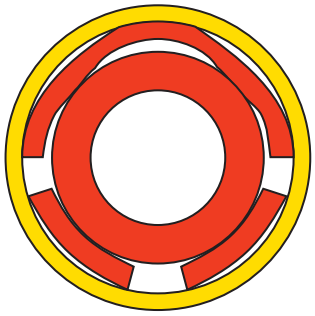
Mounting cutout for enclosure RSV 1.6
Wall thickness 1.5...2.0 mm

No. of poles	Dim. a (mm)*	Dim. b (mm)*
4	20.3	17.8
6	25.1	18.1
9	25.1	24.0
12	30.0	24.0
18	40.5	24.0
24	40.5	28.3
36	55.5	28.3

*) Tolerance: +0.3 mm

Contact system CB 1.6 / CS 1.6

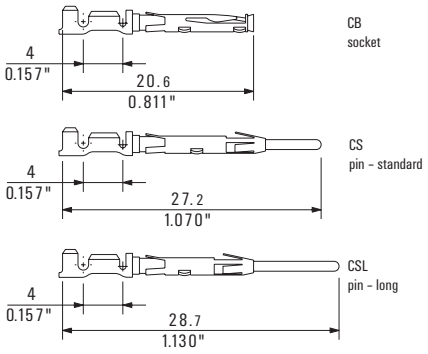




- Safe centring of the contacts using the three-segment pin tips
- 4 defined contact points ensure high contact stability
- Lugs in the enclosing steel spring ensure the contact engages securely in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

CB 1.6 / CS 1.6

Crimp contacts





Ordering data

Tinned contacts

For cable size mm²	AWG	Insulation diameter mm		Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
0.14 – 0.25	26 – 24	0.8 – 1.4	pin - standard	1421600000	250	1421500000	5000
			pin - long	1421700000	250	1565900000	5000
			socket	1421900000	250	1421800000	5000
0.34 – 0.5	22 – 20	1.1 – 1.8	pin - standard	1423600000	250	1423500000	5000
			pin - long	1423700000	250	1565870000	5000
			socket	1423900000	250	1423800000	5000
0.34 – 0.5	22 – 20	2.0 – 2.5	pin - standard	1425600000	250	1425500000	5000
			pin - long	1425700000	250	1565840000	5000
			socket	1425900000	250	1425800000	5000
0.75 – 1.5	18 – 16	2.0 – 2.5	pin - standard	1427600000	250	1427500000	5000
			pin - long	1427700000	250	1565810000	5000
			socket	1427900000	250	1427800000	5000
0.75 – 1.5	18 – 16	2.0 – 3.5	pin - standard	1582270000	250	1582280000	3000
			pin - long	1582350000	250	1582360000	3000
			socket	1582430000	250	1582440000	3000
2.5	14 – 12	2.8 – 3.5	pin - standard	1429600000	250	1429500000	3000
			pin - long	1429700000	250	1565780000	3000
			socket	1429900000	250	1429800000	3000
2.5	14 – 12	2.8 – 4.2	pin - standard	1582310000	250	1582320000	3000
			pin - long	1582390000	250	1582400000	3000
			socket	1582470000	250	1582480000	3000

Ordering data

Tinned contacts

For cable size mm²	AWG	Insulation diameter mm		Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
0.14 – 0.25	26 – 24	0.8 – 1.4	Stift - standard	1420600000	250	1420500000	5000
			pin - long	1420700000	250	1565880000	5000
			socket	1420900000	250	1420800000	5000
0.34 – 0.5	22 – 20	1.1 – 1.8	Stift - standard	1422600000	250	1422500000	5000
			pin - long	1422700000	250	1565850000	5000
			socket	1422900000	250	1422800000	5000
0.34 – 0.5	22 – 20	2.0 – 2.5	Stift - standard	1424600000	250	1424500000	5000
			pin - long	1424700000	250	1565820000	5000
			socket	1424900000	250	1424800000	5000
0.75 – 1.5	18 – 16	2.0 – 2.5	Stift - standard	1426600000	250	1426500000	5000
			pin - long	1426700000	250	1565790000	5000
			socket	1426900000	250	1426800000	5000
0.75 – 1.5	18 – 16	2.0 – 3.5	Stift - standard	1582250000	250	1582260000	3000
			pin - long	1582330000	250	1582340000	3000
			socket	1582410000	250	1582420000	3000
2.5	14 – 12	2.8 – 3.5	Stift - standard	1428600000	250	1428500000	3000
			pin - long	1428700000	250	1565760000	3000
			socket	1428900000	250	1428800000	3000
2.5	14 – 12	2.8 – 4.2	Stift - standard	1582290000	250	1582300000	3000
			pin - long	1582370000	250	1582380000	3000
			socket	1582450000	250	1582460000	3000

OMNIMATE® Signal Accessories

OMNIMATE® Signal Accessories

Strain relief	M.2
Snap-on foot	M.3
Covers	M.4
Lock / Fixing blocks	M.5
Light guides	M.8
Coding elements	M.10
Dividing element	M.11
Test plug	M.12
Crimping tools	M.13
Disengaging tool / Removal tool	M.14
Screwdrivers	M.15

BLZ 5.00 ZE
BLZ 5.08 ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

Ordering data

Colour			Orange	Black
No. of poles	Pitch (mm)	Qty.	Order No.	Order No.
from 4	5,00	50	1652100000	
from 8	5,00	50	1652040000	1652060000
from 4	5,08	50	1652110000	1652130000
from 8	5,08	50	1652050000	1652070000

BLT ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

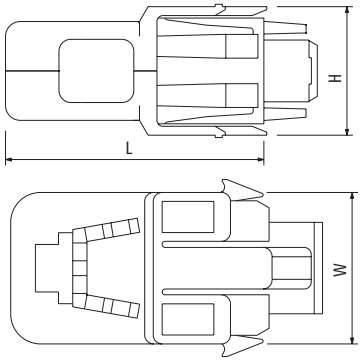
Ordering data

Colour		Orange
No. of poles	Qty.	Order No.
from 4	50	1577980000
from 9	50	1578010000

RSV ZE

Strain relief





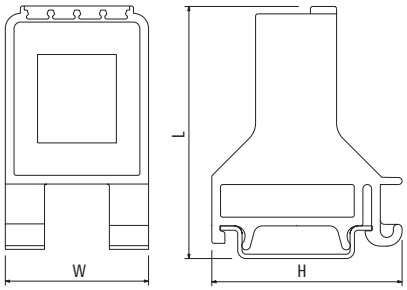
Ordering data

Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	20,50	39,00	22,20	10	1563600000
6	25,50	44,00	22,40	10	1563500000
9	25,50	44,00	28,40	10	1563400000
12	33,00	51,50	28,60	10	1563300000
18	40,00	58,50	28,60	10	1563200000
24	40,00	58,50	28,60	10	1563100000
36	55,00	73,50	32,60	10	1563000000

RSV RF

Snap-on foot for terminal rail





Ordering data

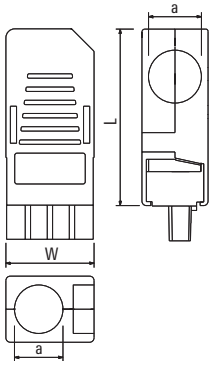
Snap-on foot for TS 35 x 7.5					Black
Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	32,90	58,90	43,70	10	1582910000
6	32,90	58,90	43,70	10	1582920000
9	32,90	58,90	43,70	10	1582930000
12	32,90	58,90	43,70	10	1582940000
18	37,30	83,40	43,70	10	1582950000
24	37,30	83,40	43,70	10	1582960000
36	37,30	83,40	43,70	10	1582970000
Snap-on foot for TS 35 x 15					
4	32,90	65,40	43,70	10	1690110000
6	32,90	65,40	43,70	10	1690120000
9	32,90	65,40	43,70	10	1690130000
12	32,90	65,40	43,70	10	1690140000
18	37,30	90,90	43,70	10	1690150000
24	37,30	90,90	43,70	10	1690160000
36	37,30	90,90	43,70	10	1690170000

Covers

BL 3.50 AH

Cover





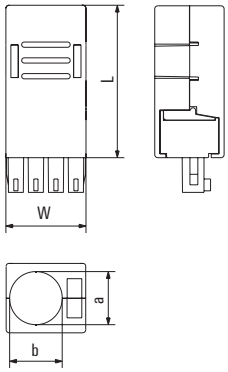
Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	–	–	–	–	–	–
3	10,50	30,00	8,50	–	10	**1745580000**
4	14,00	30,00	8,50	–	10	**1745590000**
5	17,50	30,00	8,50	–	10	**1745600000**
6	21,00	30,00	8,50	–	10	**1745610000**
7	24,50	40,00	11,00	–	10	**1745620000**
8	28,00	40,00	11,00	–	10	**1745630000**
9	31,50	40,00	11,00	–	10	**1745640000**
10	35,00	40,00	11,00	–	10	**1745650000**
11	38,50	40,00	11,00	–	10	**1745660000**
12	42,00	40,00	11,00	–	10	**1745670000**

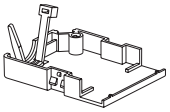
BCZ 3.81 AH

Cover

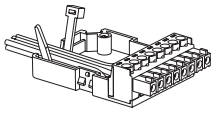




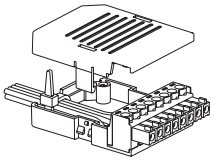
❶ Insert cable tie in the desired out-going direction.



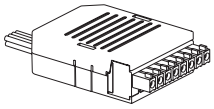
❷ Place wired socket connector in position and close cable tie.



❸ Place cover in position



❹ Lock cover

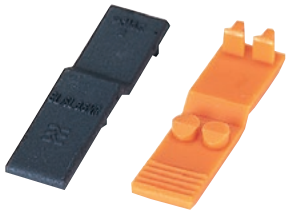


Ordering data

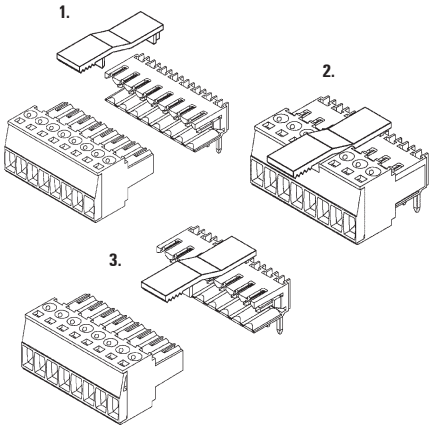
Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	–	–	–	–	–	–
3	11,43	29	10	10	10	**1005280000**
4	15,24	29	10	10	10	**1005290000**
5	19,05	29	10	10	10	**1005300000**
6	22,86	29	10	10	10	**1005310000**
7	26,67	39	10	12,5	10	**1005320000**
8	30,48	39	10	12,5	10	**1005330000**
9	34,29	39	10	12,5	10	**1005340000**
10	38,1	39	10	13	10	**1005350000**
11	41,91	39	10	13,8	10	**1005360000**
12	45,72	39	10	14,6	10	**1005370000**

BL/SL 3.50 VR

Lock



- Simple, screw-less, vibration-proof mechanism for all single-row male connectors in conjunction with the standard 180° screw terminal socket connector BL 3.5.
- 2 VR locks are recommended for plug-in connectors with more than 8 poles.



Ordering data

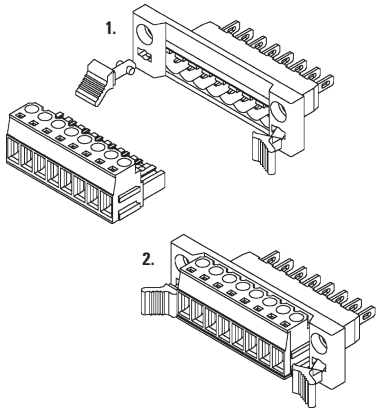
Colour		Orange	Black
No. of poles	Qty.	Order No.	Order No.
BL/SL 3.50 VR	100	1669310000	1669300000

SLDF VR

Lock



- For vibration-proof plug-in connections
- Socket must be B-Version with dovetail



Ordering data

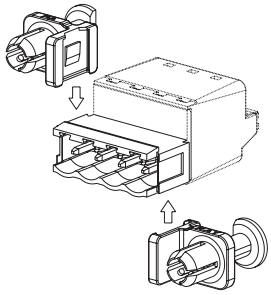
Colour		Black
Type	Qty.	Order No.
SLDF VR	100	1599120000

BBDF

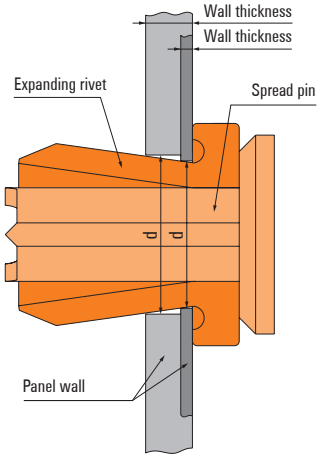
for universal feed-through-connection



Assembly Instruction



view of BBDF inside the panel



Ordering data

Colour			Orange	Black
Type	Width (mm)	Qty.	Order No.	Order No.
BBDF	9,5	100	1307570000	1307580000

SLA BB1R
SLA BB11R

Mounting blocks for headers, in 5.0x-mm pitch

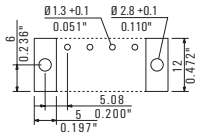
SLA BB11R



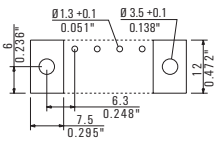
SLA BB1R



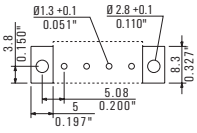
90 °



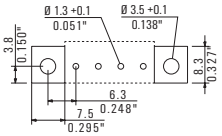
90 °

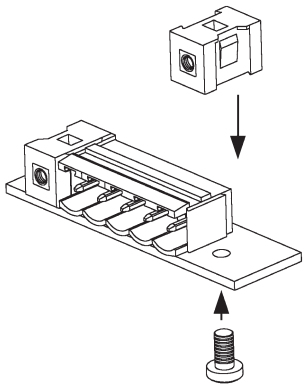


180 °



180 °





Ordering data

Colour			Orange	Black
Type	Width (mm)	Qty.	Order No.	Order No.
SLA BB1R	7,5	20	1723430000	1723480000
SLA BB11R	5,0	100	1604120000	1692340000

SLA BB2R
SLA BB12R

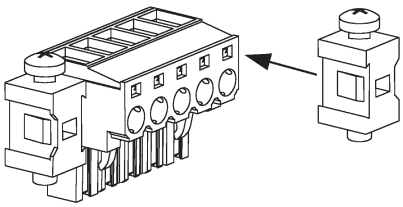
Mounting blocks for plugs, in 5.0x-mm pitch

SLA BB12R



SLA BB2R





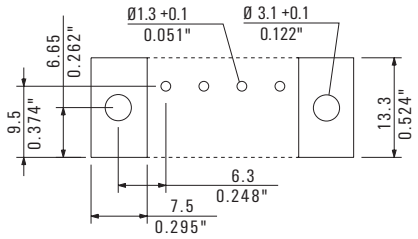
Ordering data

Colour			Orange	Black
Type	Width (mm)	Qty.	Order No.	Order No.
SLA BB2R	7,5	20	1723440000	1723490000
SLA BB12R	5,0	100	1593450000	1626880000

SL 135 BB15R

Mounting blocks for SL 135 male header



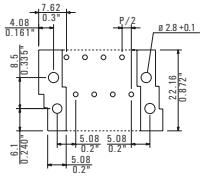


SLA BB14

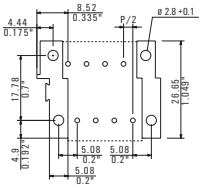
Mounting blocks for SLD 5.08 headers



90



180



- Provides additional mechanical support for rows of male connectors on the PCB
- Also enables vibration-proof connections for the matching socket connectors.
- BB12 fixing blocks or an integral screw flange are required for the socket.
- Caution: Only to be used with SLD 5.08 90 / SLD 5.08 180.

Ordering data

Colour			Orange	Black
Type	Width (mm)	Qty.	Order No.	Order No.
SL135 BB15R	7,5	20	1606450000	1636370000

Ordering data

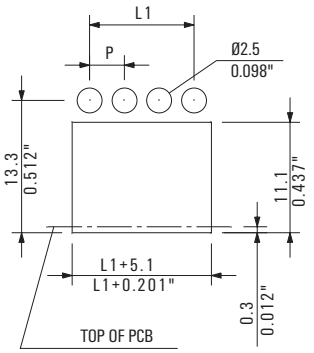
Colour			Orange	Black
Type	Width (mm)	Qty.	Order No.	Order No.
SLA BB14	5,0	20	1594200000	1774460000

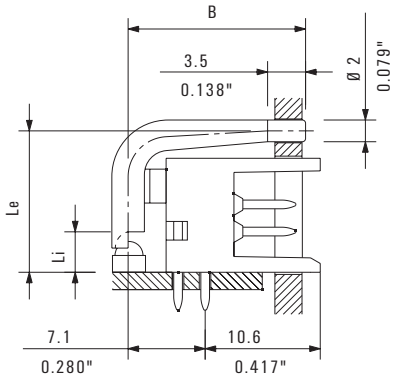
M

S2L FLA

Light guide







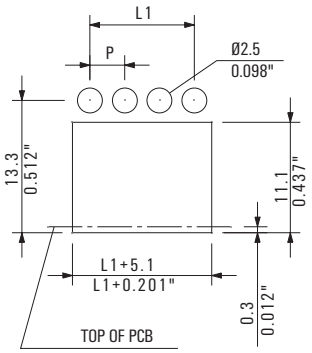
Ordering data

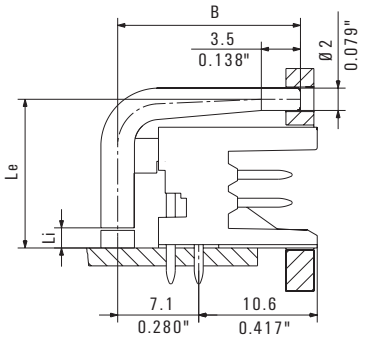
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
10	3,70	13,00	16,35	100	**1699580000**

S2L-SMT FLA

Light guide







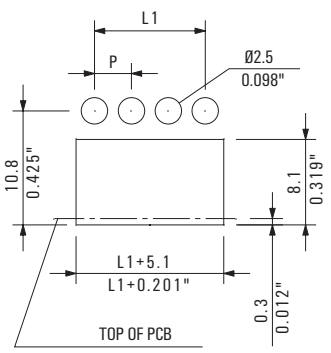
Ordering data

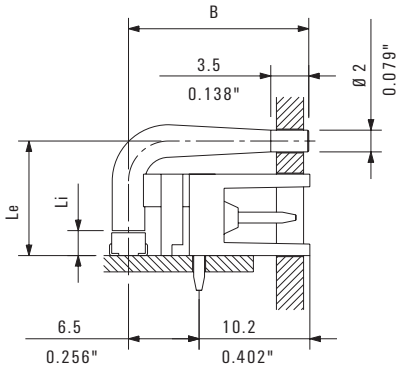
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
10	1,80	13,30	16,35	50	**1814590000**

SL 3.50 FLA

Light guide







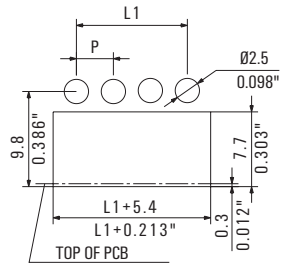
Ordering data

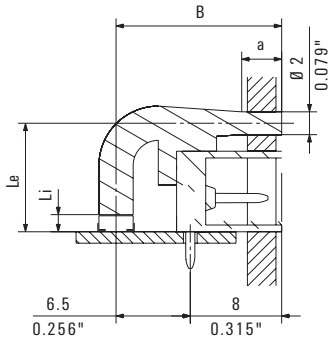
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
8	1,50	10,55	16,60	50	**1597510000**
8	2,30	10,55	16,60	50	**1597520000**
8	4,00	10,55	16,60	50	**1597530000**
8	1,50	10,55	14,85	50	**1597630000**
8	2,30	10,55	14,85	50	**1597640000**
8	4,00	10,55	14,85	50	**1597650000**

SC 3.81 FLA

Light guide







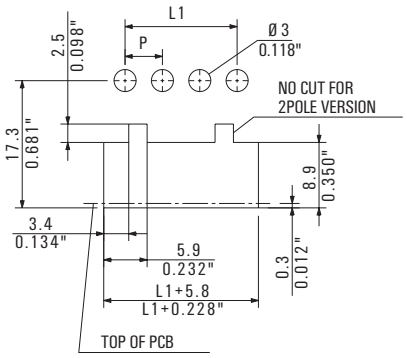
Ordering data

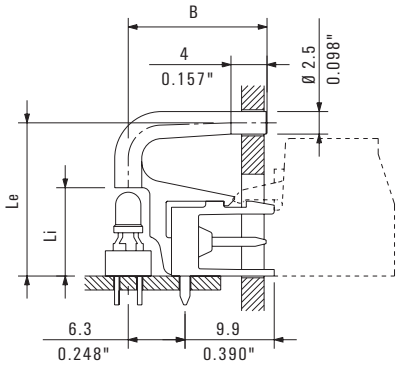
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
8	1,5	9,50	14,25	50	**1979730000**
8	2,3	9,50	14,25	50	**1979750000**
8	1,5	9,50	16,00	50	**1979720000**
8	2,3	9,50	16,00	50	**1979740000**

SL 5.08 FLA

Light guide







Ordering data

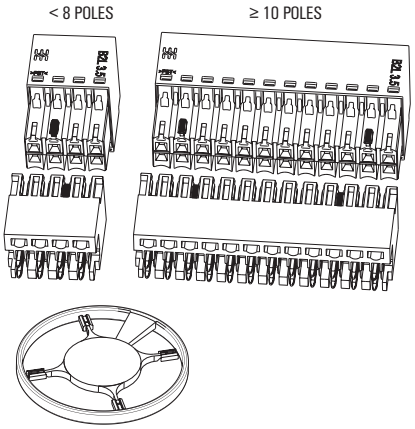
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
1	1,50	17,00	15,40	100	**1580100000**
1	2,30	17,00	15,40	100	**1636670000**
1	3,80	17,00	15,40	100	**1580110000**
1	9,00	17,00	15,40	100	**1580120000**
24	2,30	17,00	15,40	10	**1636680000**

B2L/S2L KO – B2CF/S2C KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- For reliable coding, we recommend at least 2 polarising pins per connector for 10-way and above



Ordering data

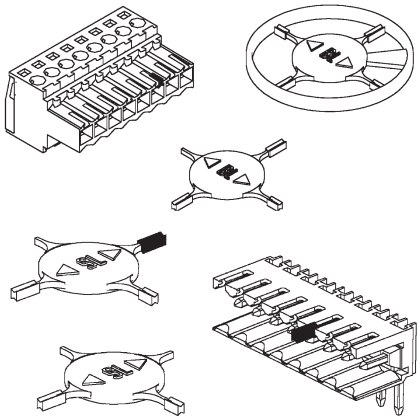
Colour		Orange	Black
Type	Qty.	Order No.	Order No.
B2L/S2L KO	100	1849730000	1849740000

BL/SL 3.50 KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- A coding star includes 2 coding elements of different sizes. The larger of the two is used on the male connector.



Ordering data

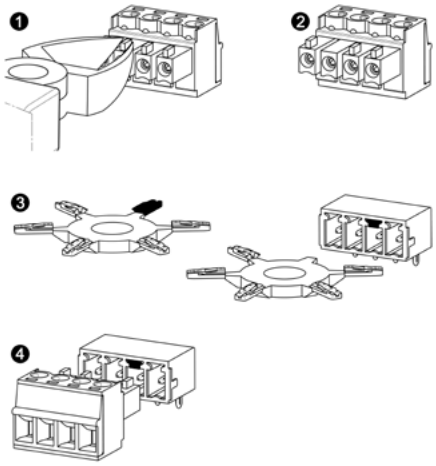
Colour		Orange	Black
Type	Qty.	Order No.	Order No.
BL/SL 3.5 KO	100	1693430000	1610100000

SC-SMT 3.81 KO

Coding element



- For coding connectors in order to prevent mistakes during installation
- Only for male headers (SC..3.81..).
- Female headers (BCZ 3.81, BCF 3.81 and BCL-SMT 3.81) are coded using diagonal-cutting pliers. The coding does not occupy a pole.



Ordering data

Colour		Grey
Type	Qty.	Order No.
SC-SMT 3.81 KO WT BX	100	2467670000

1 unit = 6 coding elements

BLZ/SL KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- Coding element for the BL/SL 5.00 and BL/SL 5.08 series

Ordering data

Colour		Orange	Black
Type	Qty.	Order No.	Order No.
BLZ/SL KO	100	1573010000	1545710000

RSV 1.6 KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding blocks individual poles.

Ordering data

Colour		Black
Type	Qty.	Order No.
RSV 1.6 KO	50	1567430000

SLAT

Dividing element



- Subdivides male connectors into distinct segments.
- Prevents errors during installation.



Ordering data

Colour		Orange	Black
Type	Qty.	Order No.	Order No.
SLAT	100	1598300000	1770240000

M

PS 2.0 MC

Test plug



- For conductors up to 0.75 mm2 (AWG 18).
- Gold-plated lantern-type contact.
- Conductor must be soldered to contact in test plug.

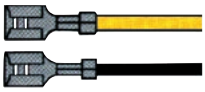
Ordering data

Type	Conductor size	Qty.	Order No.
PS 2.0 MC	≤ 0,75 mm²	20	**0310000000**

HTF 28
HTF 63

Crimping tools





- Precision crimping tool with ratchet for 2.80 and 6.30 mm spade connections with open or rolled terminals
- HTF 28 for flexible conductors 0.10-1.00 mm² (AWG 26-16)
- HTF 63 for flexible conductors 0.50-2.50 mm² (AWG 20-14)

Ordering data

Type	Crimp size mm/inch	Cross-section mm²/AWG	Order No.
HTF 28	2,8/0,110	0,14–1,5/26–16	**9013090000**
HTF 63	6,3/0,250	0,50–2,5/20–14	**9013400000**

HTF DFF

Crimping tools





- Precision crimping tool with ratchet for the Weidmüller DFFC crimp contacts of BLC and BLAC socket connectors
- 0.22–0.35 mm² (AWG 24–22)
- 0.50–1.00 mm² (AWG 20–17)
- 1.50–2.50 mm² (AWG 16–12)

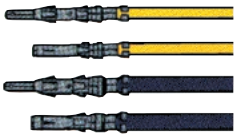
Ordering data

Type	Cross-section mm²/AWG	Order No.
HTF DFF	0,22–2,5/24–12	**9014140000**

HTF RSV 12
HTF RSV 16

Crimping tools





- Precision crimping tool with ratchet for the Weidmüller CB and CS crimp contacts of RSV 1.6 plug-in connectors
- RSV 16 = 0.14 – 1.50 mm² (AWG 26–16)
- RSV 12 = 1.50 – 2.50 mm² (AWG 14–12)

Ordering data

Type	Cross-section mm²/AWG	Order No.
HTF RSV 16	0,14–1,5/26–16	**9013560000**
HTF RSV 12	1,50–2,5/14–12	**9013550000**

M

Disengaging tool / Removal tool

DFFC EW2

Disengaging tool





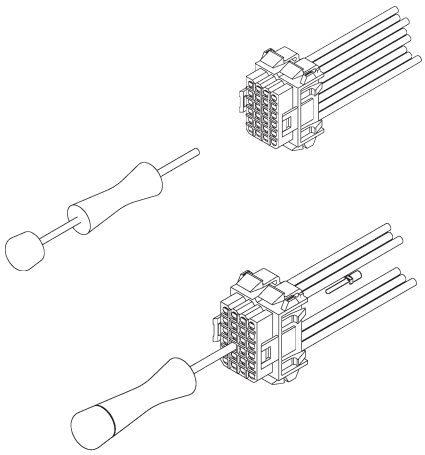
Ordering data

Type	Qty.	Order No.
DFFC EW2	1	1803790000

DW RSV

Disengaging tool





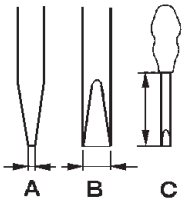
Ordering data

Type	Qty.	Order No.
DW RSV 1.6	1	9004530000

SDI

VDE-insulated slotted screwdriver





VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380

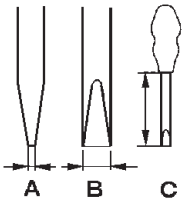
Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SDI		0,4	2,5	75	2749790000
SDI		0,5	3,0	100	2749800000
SDI		0,6	3,5	100	2749810000
SDI		0,8	4,0	100	2749820000
SDI		1,0	4,5	125	2749830000
SDI		1,0	5,5	125	2749850000
SDI		1,2	6,5	150	2749860000
SDI		1,6	8,0	175	2749870000

SD

Slotted screwdriver with round blade





Slotted screwdriver with round blade, SD

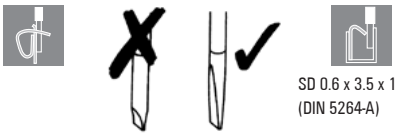
- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip

Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SD		0,4	2,5	75	2749320000
SD		0,5	3,0	80	2749330000
SD		0,6	3,5	100	2749340000
SD		0,8	4,0	100	2749360000
SD		0,8	4,5	125	2749370000
SD		1,0	5,5	150	2749380000
SD		1,2	6,5	150	2749390000

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection



SD 0.6 x 3.5 x 100 (DIN 5264-A)

You do not need any special tool to connect or disconnect our tension clamp connection.
The opening is designed to accommodate a standard 0.6 x 3.5 x 100 screwdriver 2749040000 to DIN 5264-A (with flat blade).

SDK PH/PZ

Crosshead screwdriver





Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip

Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- Chrome top tip

Ordering data PH

Type	Dims. (mm)	A	B	C	Order No.
SDK PH0	0			60	2749400000
SDK PH1	1			80	2749410000
SDK PH2	2			100	2749420000
SDK PH3	3			150	2749430000

Ordering data PZ

Type	Dims. (mm)	A	B	C	Order No.
SDK PZ1	1			80	2749440000
SDK PZ2	2			100	2749450000
SDK PZ3	3			150	2749460000

OMNIMATE® Power PCB terminals

OMNIMATE® Power PCB terminals

Clamping yoke screw connection

Explanation	N.2
Quick selection	N.12
Product selection	N.16

PUSH IN-spring connection

Explanation	N.6
Quick selection	N.14
Product selection	N.26

OMNIMATE® Power – LL 6.35 power terminal

Unrestricted use up to 600 V to UL 1059 approval in 6.35 mm pitch

Your device connections increasingly require international approval to UL 1059 to 600 V. We offer you the matching power terminal in 6.35 mm pitch.

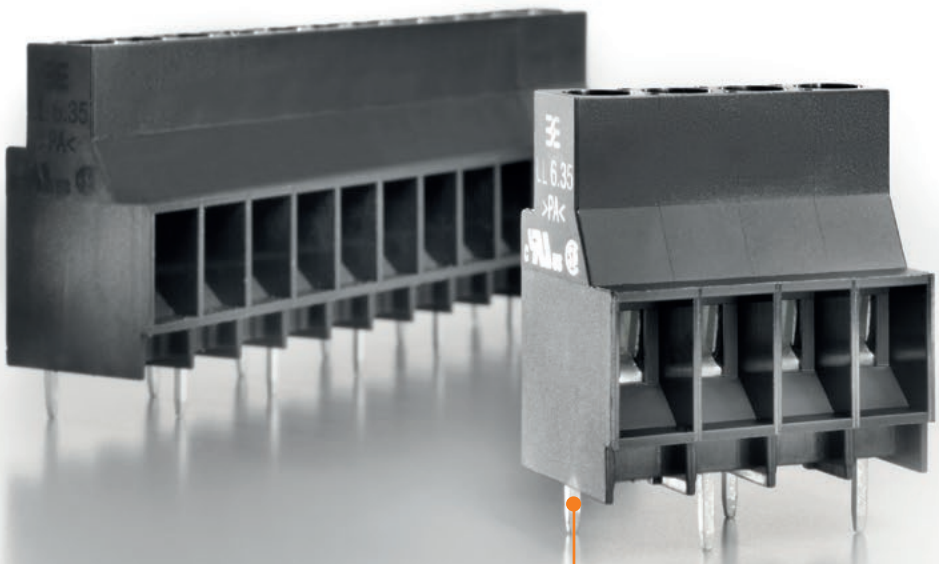
International UL certification for 600 V is an important factor for many power electronics applications. The wiring must also be safe and maintenance-free and meet the high insulator requirements.

Our LL 6.35 power terminal meets all the certification criteria unrestricted. Not only is it especially safe, but it has an extremely compact 6.35 mm pitch design.

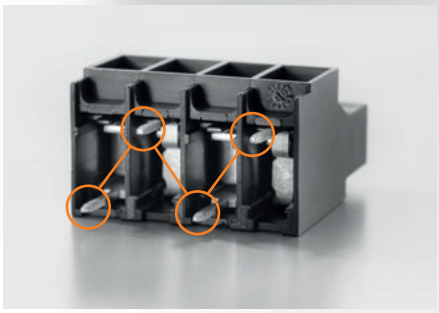
You will receive a maintenance-free solution with proven clamping yoke screw technology for conductors up to 6 mm². Ideal for device connections in drive technology, power supply, solar inverter and line filter applications.

600 V

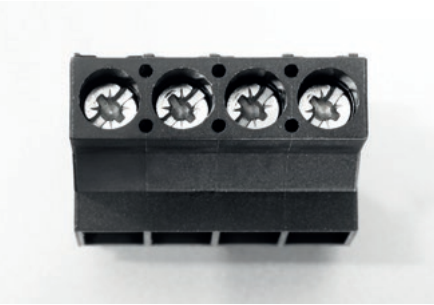
c UL us



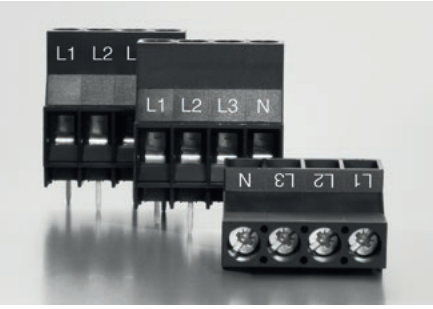
Clever design
The staggered solder pins are a speciality of the LL 6.35. These pins provide the required clearance and creepage distances for unrestricted 600 V certification to UL 1059.

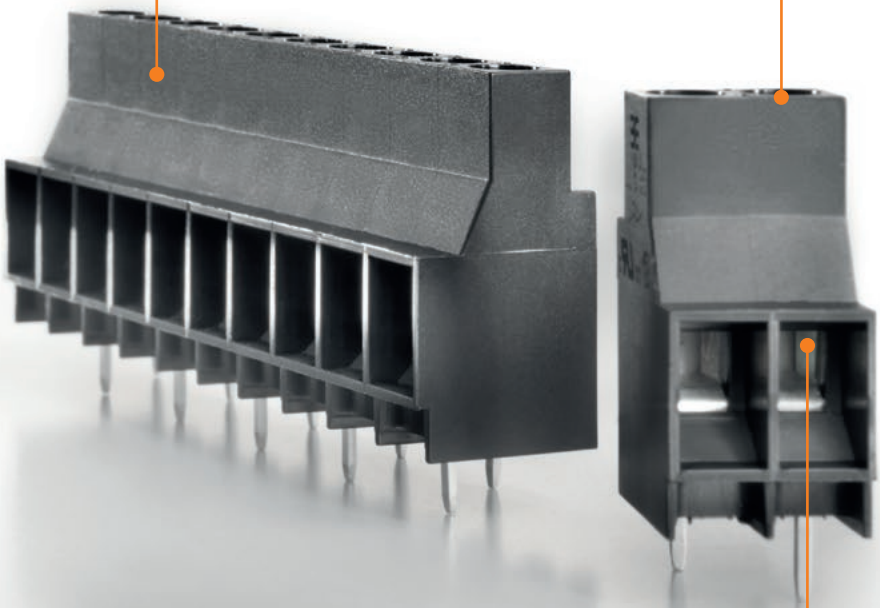


Safe operation
The world-wide compatible screw head allows an interference fit bolted joint that can be operated using all standard tools and power tools.



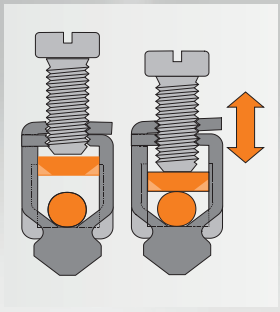
Clear marking
The design of the LL 6.35 allows individual direct labelling on three possible levels. This allows a direct assignment and avoids installation errors.



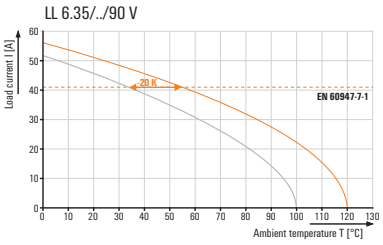


Maintenance-free terminal point
A vibration resistant and maintenance-free connection is made using our proven WIRE GUARD and WIRE READY clamping yoke screw connection.





High-quality insulation
The insulating material WEMID satisfies the highest environmental standards, is creep-current resistant to CTI 600 and fire resistant to UL 94-VO. With a continuous operating temperature of 120 °C it exceeds the standard value of PA (100 °C) by 20 K.



Safe fire resistance
The use of high-quality plastics allows compliance with the increased requirements for fire safety in accordance with the household appliance standard IEC 60335-1.

IEC 60335-1

Can be ordered online
Order your sample world-wide directly from the OMNIMATE® online catalogue at www.weidmueller.com/sample-service

72h

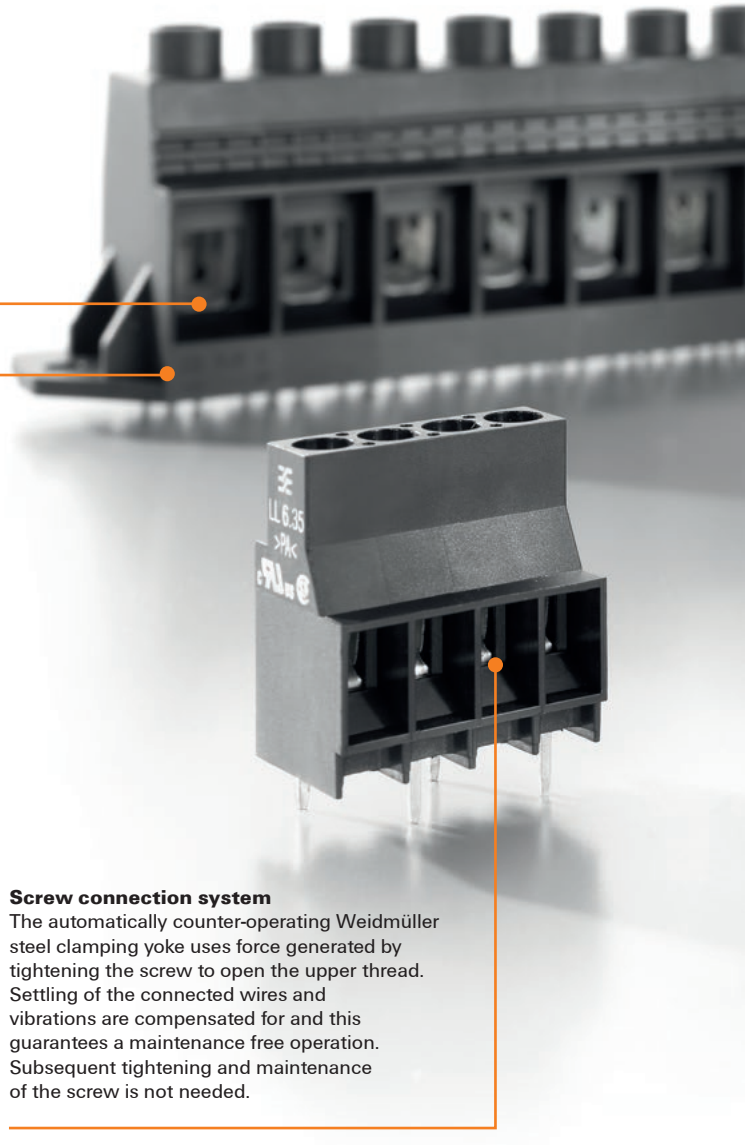
OMNIMATE® Power PCB terminals

High-power connections up to 150 A /1,000 V

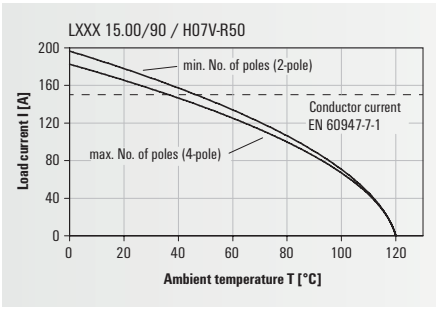
The OMNIMATE® Power PCB terminals – ranging from the LUP in 10.16-mm pitch to the LXXX in 15.00-mm pitch – is approved for unlimited international use in applications according to UL 1059 (600 V) and IEC (1,000 V). Weidmüller's self-securing steel clamping yoke is 100 % maintenance free.
It provides vibration-proof connections to the PCB for wires up to 50 mm².

Unrivalled clamping
With an unmatched clamping range, the LXXX 15.0 offers a safe and strong wire connection for cross-sections up to 50 mm² / AWG1 and 150 A to the circuit board.

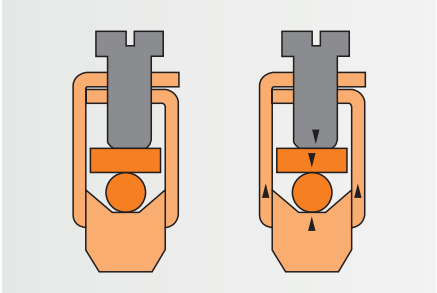




Power reserve for safety
The high-performance WEMID insulation material helps increase the availability of the system. With an RTI (relative temperature index) of 120 °C, the OMNIMATE® Power PCB terminals exceed the upper continuous-use temperature recommended by the Standard PA (100 °C) by 20 °C. Thus there are more power reserves and improved safety in event of temperature fluctuations or overloads.



Screw connection system
The automatically counter-operating Weidmüller steel clamping yoke uses force generated by tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.

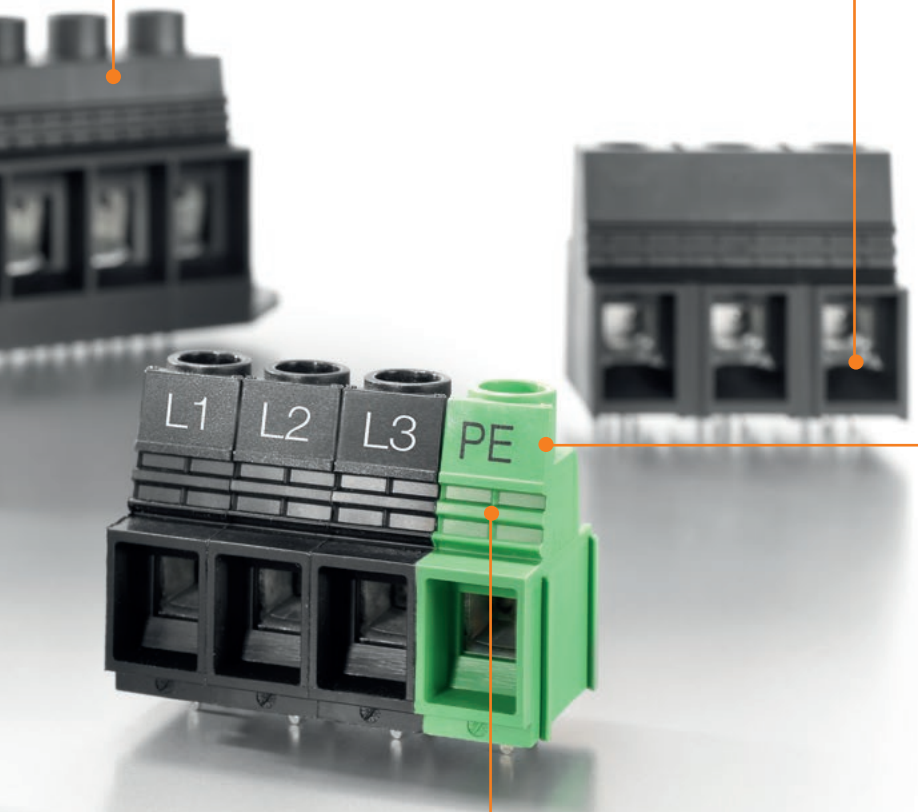


Standard-compliant integration
Weidmüller terminals meet the extended creepage and clearance distances according to UL and finger safety in accordance with the IEC 61800-5-1 device standard.

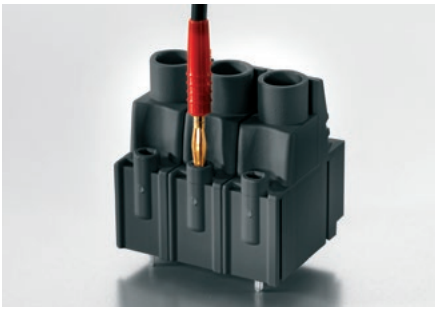


Wire protection
The integrated "Wire Guard" mechanism on the OMNIMATE® Power PCB terminals prevents wires from being inserted improperly and prevents a malfunctioning contact.





Integrated test point
The required maintenance and measurements can be carried out in a safe, reliable and convenient manner.



Labelling and assigning
Terminals are available with custom direct printing, versatile Dekafix labelling, affordable adhesive strips and colour coding.

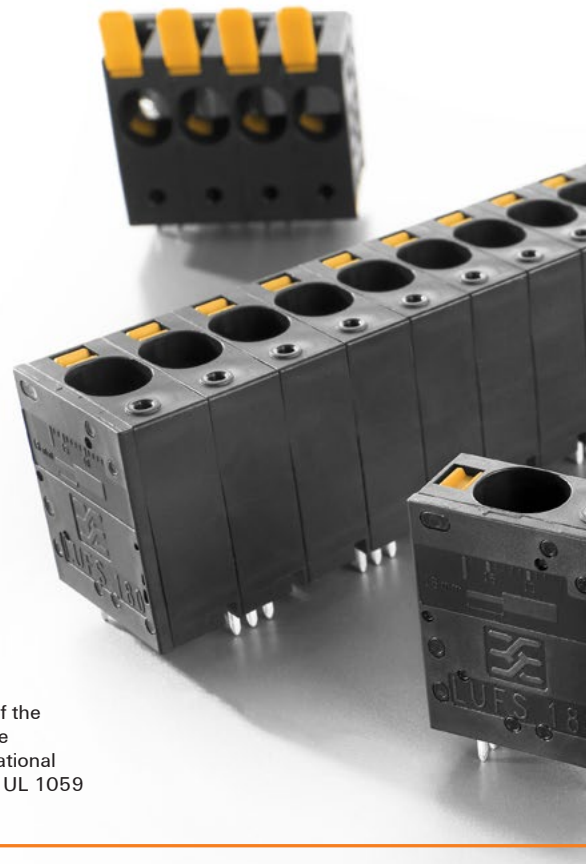


Reliable and fast connection of power electronics devices
LUF and LUFS series PCB terminal with PUSH IN connection

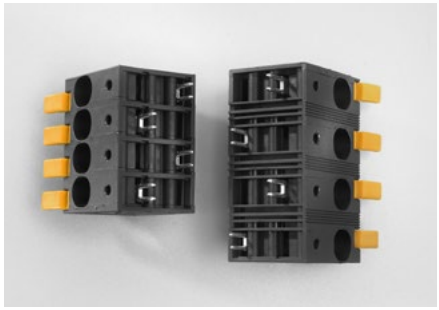
Maximum performance with increased economic efficiency – these are the current trends in the field of power electronics. In order to achieve this goal, devices must combine excellent functionality with simple operation. This will have an impact on the device connectivity systems, which need to be fault-free, safe and quick in their usage.

The LUF PCB terminal from the OMNIMATE® Power product range features proven PUSH IN connection technology. This has allowed us to carry out tool-free wiring for wire cross-sections up to 16 mm² and to meet requirements in accordance with UL 1059 for 600 V in the 10.00 mm pitch and with 1,000 V in the 15.00 mm pitch.

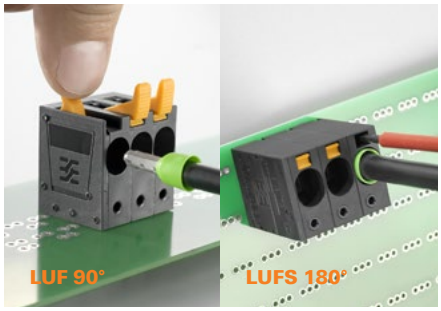
LUF(S) provides high levels of contact reliability based on the Weidmüller Connection Safety Concept. The terminal contact shuts automatically to prevent malfunction. LUF has a tool-free wiring system, and LUFS can be actuated with a simple screwdriver to connect cross sections up to 16 mm². The PUSH IN connection system also allows a quick, convenient and therefore efficient wiring.



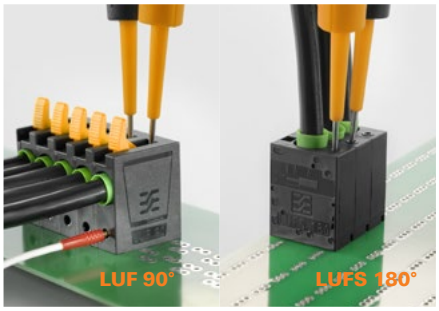
Compliant with UL 1059
As a result of the offset arrangement of the solder pins, the LUF 15.00 and also the LUFS 15.00 allows unrestricted international use in applications in accordance with UL 1059 up to 1,000 V.

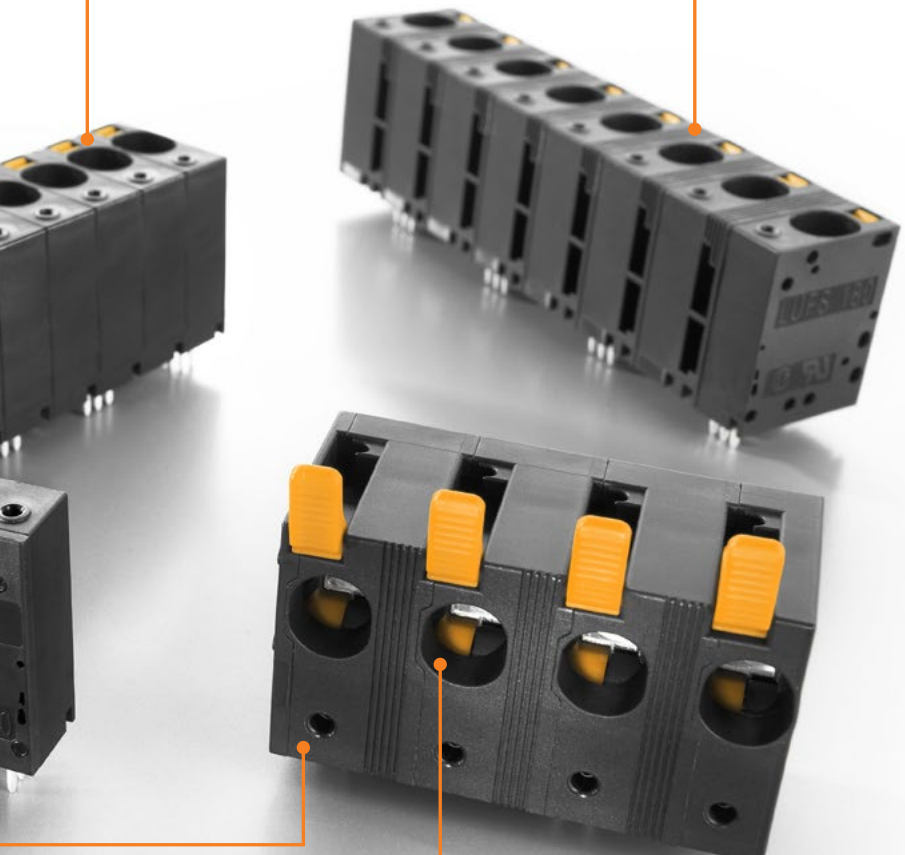


Comfortable actuation
An ergonomic lever makes it easy to open the clamp and release the wire. The contact point for LUF can be opened comfortably by hand, and LUFS can be opened using a standard screwdriver.

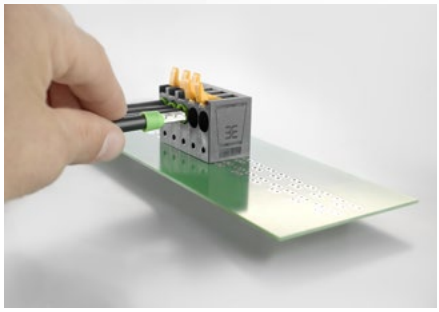


Convenient access to test points
In order to provide maximum flexibility, LUF 90° offers two test points – one beside the cable entry and another beside the actuating lever side. LUFS 180° features one test point located beside the cable entry.



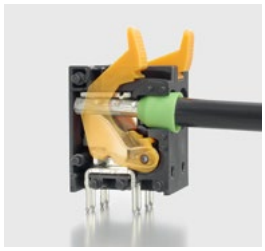


PUSH IN connection up to 16 mm²
The PUSH IN connection system allows for wires to be connected to the PCB board without the need for tools. Solid wires or wires with ferrules can be directly connected. Done!



Your special advantages:

Perfect connection thanks to high levels of contact reliability
This contact system is automatically closed after being opened. This intelligent Connection Safety Concept helps to ensure that the wire is always connected safely.





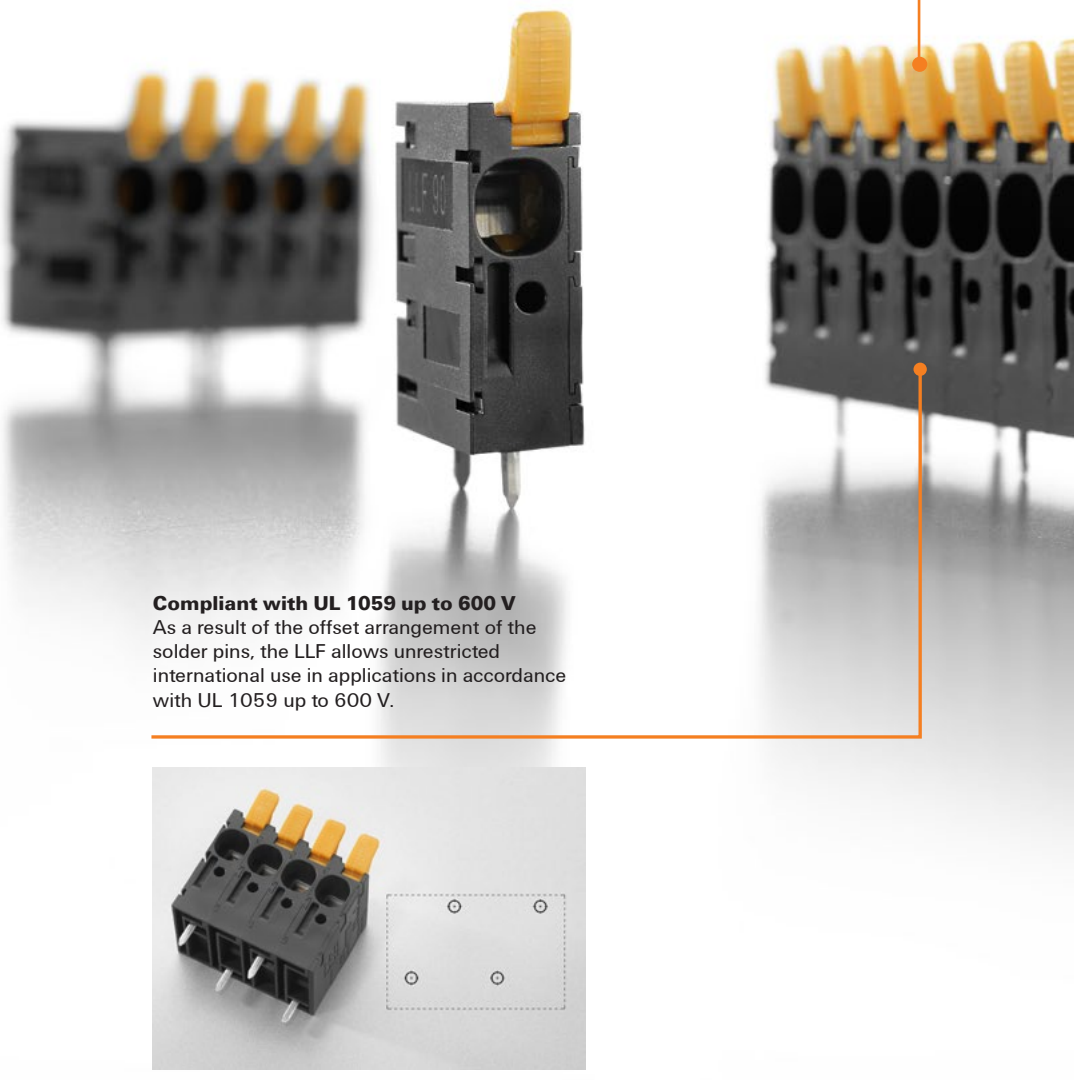
The LUF and LUFS are not only proving to be impressive thanks to their good performance and easy operability – ensured by the unusually high level of contact reliability – but also meets all the challenges that arise in power electronic applications.

Reliable and fast connection in power electronic applications
LLF 7.50 PCB terminal with PUSH IN connection system

Modern systems and technology – for example, photovoltaic inverters – underlie continuous development and optimisation. Technological advances often depend on powerful, flexible and robust connectivity systems to ensure secure and reliable operation.

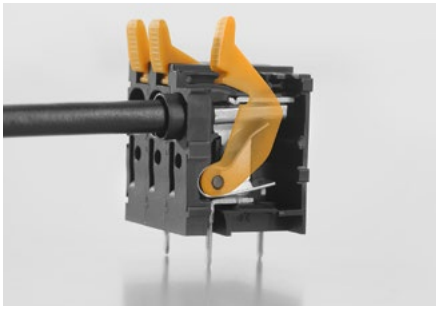
The LLF PCB terminal from the OMNIMATE® Power product range features proven PUSH IN connection technology. This has allowed us to carry out tool-free wiring for wire cross-sections up to 6 mm² and to meet requirements in accordance with UL 1059 for 600 V in pitch 7.5 mm.

Just like the PCB terminals LUF and LUFS, LLF uses the Weidmüller "Connection Safety Concept", which has a PUSH IN connection for quick and safe mounting. The actuation lever allows for quick, simple, and safe wiring with excellent performance.

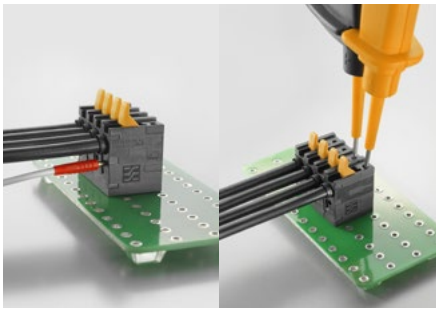


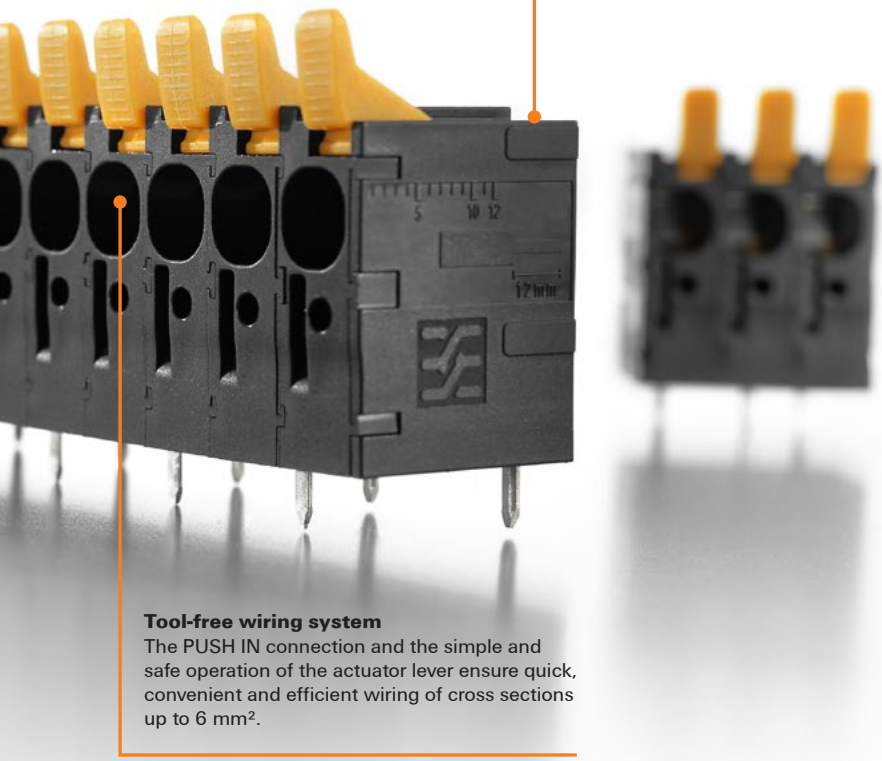
Compliant with UL 1059 up to 600 V
As a result of the offset arrangement of the solder pins, the LLF allows unrestricted international use in applications in accordance with UL 1059 up to 600 V.

High level of reliability
LLF provides high levels of contact reliability based on the "Connection Safety Concept". The terminal contact closes automatically to prevent malfunction.

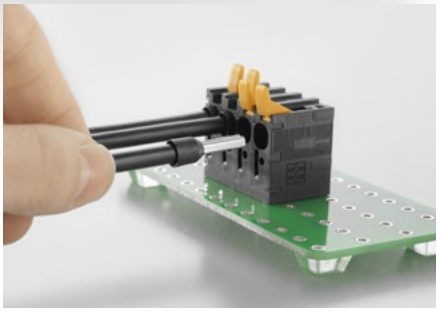


Convenient access to test points
Two test points with LLF, one located beside the cable entry and another beside the actuating lever, provide a great flexibility during testing.



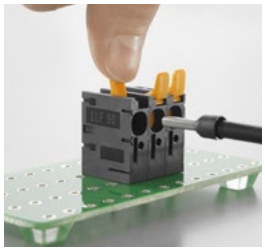


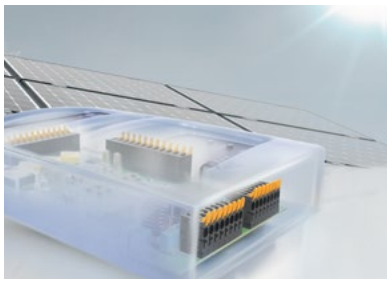
Tool-free wiring system
The PUSH IN connection and the simple and safe operation of the actuator lever ensure quick, convenient and efficient wiring of cross sections up to 6 mm².



Your special advantages:

Comfortable actuation
The ergonomically designed lever allows an operator to easily actuate and open clamp in order to release the cable. The contact point get readily opened by hand without the need for any physical exertion.





LLF is capable of handling challenging applications that not only require high current and voltage but also demand a secure connectivity. LLF maximises connection safety and reliability within a compact space.

Safe and efficient connection of power electronics devices
LUF 10.00 with PUSH IN in accordance with UL 1059 for 600 V

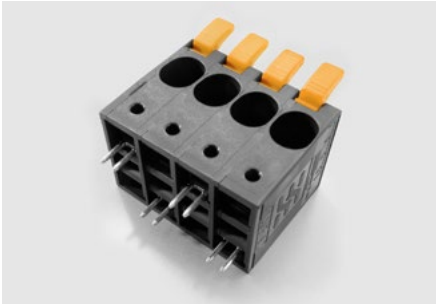
Maximum performance with increased economic efficiency – these are the current trends in the field of power electronics. In order to achieve this goal, devices must combine excellent functionality with simple operation. This will have impact on the device connectivity systems, which needs to be fault-free, safe and quick in his usage.

The LUF PCB terminal from the OMNIMATE® Power product range features tried-and-tested PUSH IN connection technology. This has allowed us to realise tool-free wiring for wire cross-sections up to 16 mm² and to meet requirements in accordance with UL 1059 for 600 V in the 10.00 mm pitch.

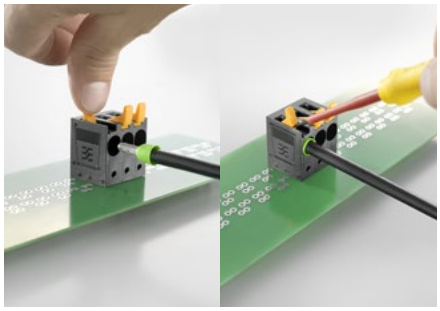
In addition to the particularly simple handling of the actuator lever, the LUF also provides high levels of contact reliability that is based on the "Connection Safety Concept" from Weidmüller. The quick and safe wire connection with PUSH IN connection system as well as the simple and safety operation of the actuator lever for opening the contact allow a quick, convenient and therefore economical wiring.



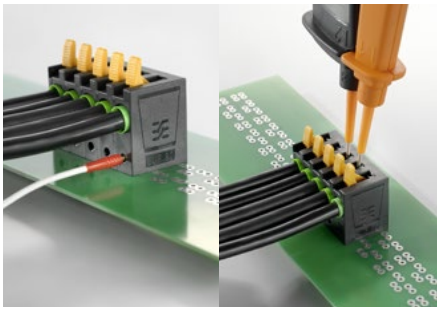
According to UL 1059 up to 600 V
As a result of the offset arrangement of the solder pins, the LUF allows unrestricted international use in applications in accordance with UL 1059 up to 600 V.

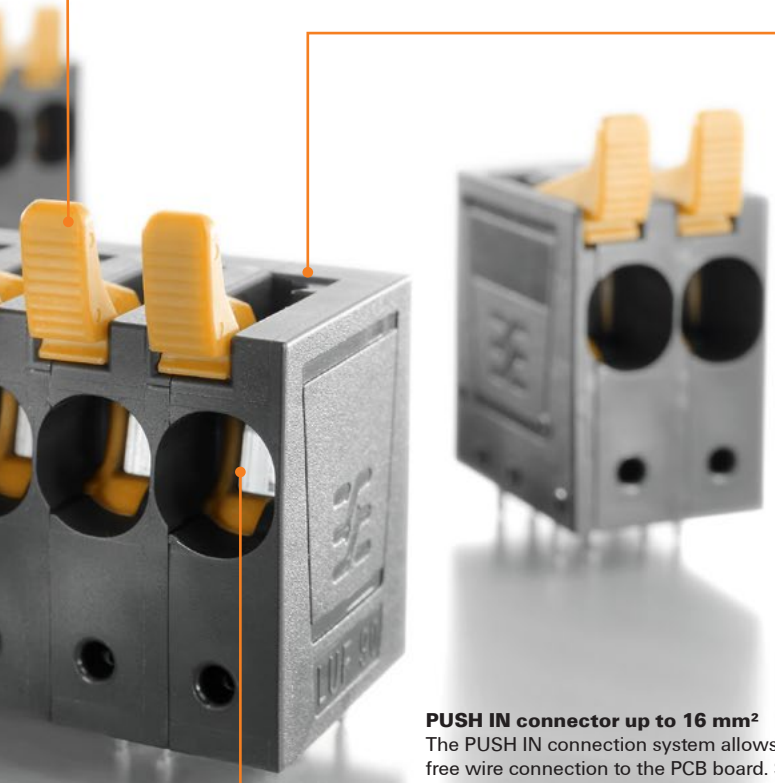


Easy actuation
The contact point can be opened without any physical exertion and without the need of any special tools. It can be done by hand or using a simple screwdriver.

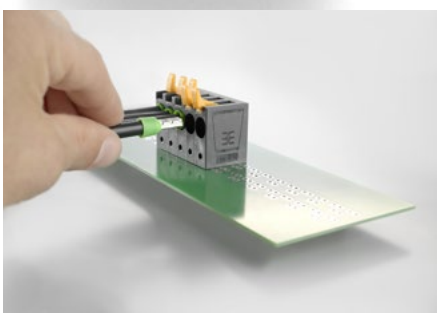


Available for testing at any time
Easily accessible diagnostic testing points for necessary maintenance and measurements in direction of cable entry or on the actuating lever side allows the using of tester or connector PS2.





PUSH IN connector up to 16 mm²
The PUSH IN connection system allows a tool-free wire connection to the PCB board. Solid wires or wires with ferrules can be directly plugged. Done!

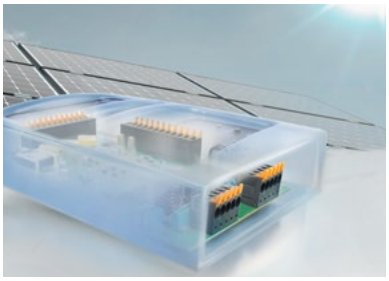


Your special advantages:

Perfect connection thanks to high levels of contact reliability

This contact system is getting automatically closed after it was opened. This intelligent "Connection Safety Concept" helps ensure that the wire is always safely connected.

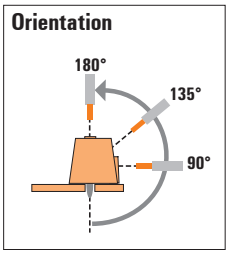




The LUF is not only impressing concerning performance and easy operability – due to the particularly high level of contact reliability, thisPCB terminal meets all the challenges of power-electronics applications.

www.weidmueller.com/omnimate

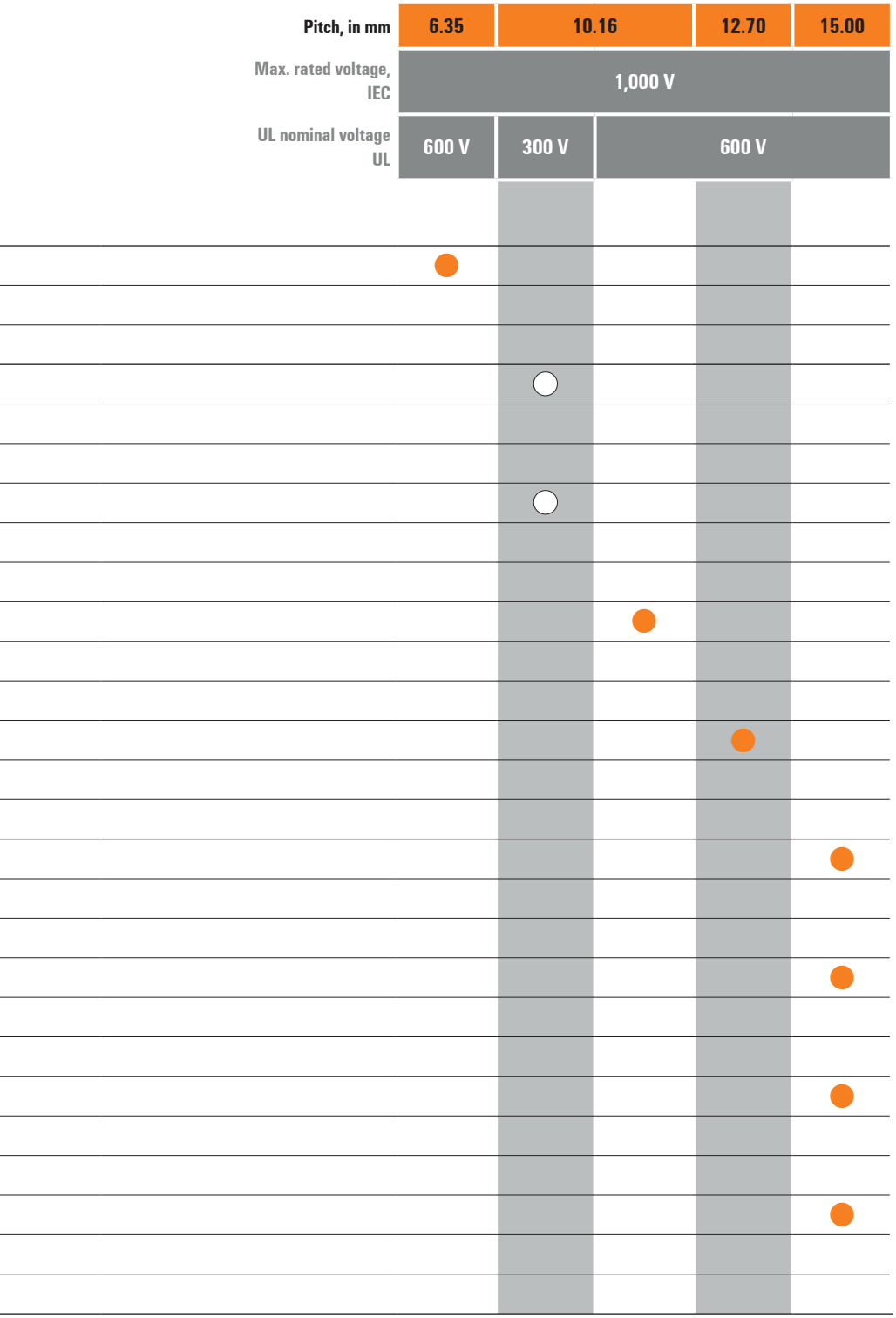
○ = 300 V (UL) / 1,000 V (IEC)
● = 600 V (UL) / 1,000 V (IEC)



PCB terminals

Type of connection		Clamping range		Type	IEC / UL	90°	135°	180°
Screw	Screw Clamping yoke	≤ 6 mm²		**LL 6.35/../90 V***	IEC: 1,000 V/32 A/0.18 - 6 mm² UL: 600 V/30 A/AWG 26 - 10	●		
		≤ 16 mm²		**LU 10.16**	IEC: 1,000 V/76 A/0.5 - 16 mm² UL: 300 V/65 A/AWG 26 - 6	●		
				**LUP 10.16**	IEC: 1,000 V/76 A/0.5 - 16 mm² UL: 300 V/58 A/AWG 26 - 6	●		
				**LUP 10.16/../90 V***	IEC: 1,000 V/76 A/0.5 - 16 mm² UL: 600 V/51 A/AWG 22 - 6	●		
				**LUP 12.70**	IEC: 1,000 V/76 A/0.5 - 16 mm² UL: 600 V/58 A/AWG 26 - 6	●		
		≤ 25 mm²		**LX 15.00**	IEC: 1,000 V/101 A/0.5 - 25 mm² UL: 600 V/85 A/AWG 16 - 4	●		
				**LXB 15.00**	IEC: 1,000 V/101 A/1.5 - 25 mm² UL: 600 V/85 A/AWG 16 - 4	●		
		≤ 50 mm²		**LXXX 15.00**	IEC: 1,000 V/150 A/0.5 - 50 mm² UL: 600 V/127 A/AWG 20 - 1	●		
				**LXXX 15.00/../90F**	IEC: 1,000 V/150 A/0.5 - 50 mm² UL: 600 V/127 A/AWG 20 - 1	●		

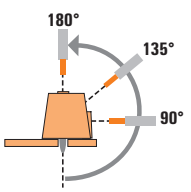
* With offset solder pins


Pitch, in mm
6.35
10.16
12.70
15.00
Max. rated voltage, IEC
1,000 V
UL nominal voltage UL
600 V
300 V
600 V

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300 V
600 V
1.000 V

Orientation

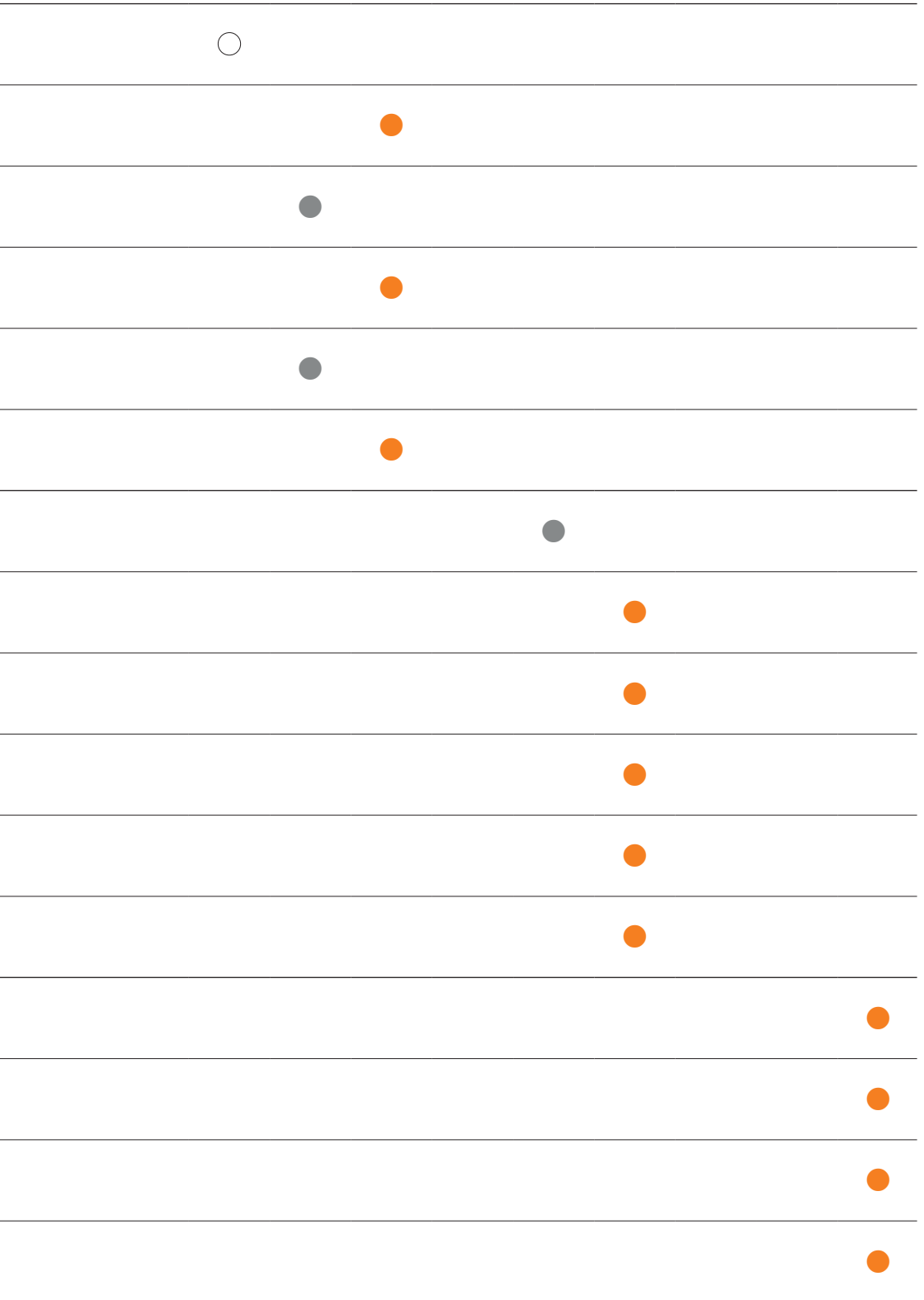


PCB terminals

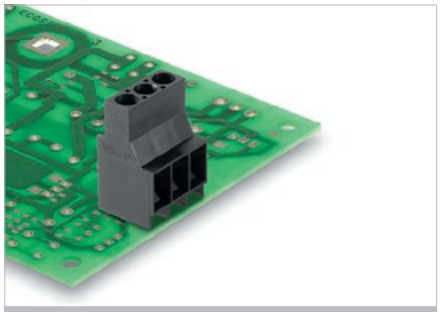
Type of connection		Clamping range		Type	IEC / UL	90°	135°	180°
PUSH IN	PUSH IN	≤ 6 mm²		LLF 7.50/90	IEC: 600 V / 41 A / 0.5 - 6 mm² UL: 300 V / 35 A / AWG 24 - AWG 8	●		
				LLF 7.50/90V*	IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 35 A / AWG 24 - AWG 8	●		
				LLFS 7.50/180	IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 300 V / 37 A / AWG 24 - AWG 8			●
				LLFS 7.50/180V*	IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 37 A / AWG 24 - AWG 8			●
				LLFS 7.50/90	IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 300 V / 37 A / AWG 24 - AWG 8	●		
				LLFS 7.50/90V*	IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 37 A / AWG 24 - AWG 8	●		
PUSH IN		≤ 16 mm²		LUF 10.00/90	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 300 V / 61 A / AWG 18 - AWG 6	●		
				LUF 10.00/90V*	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 58 A / AWG 18 - AWG 6	●		
				LUFS 10.00/180	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 61 A / AWG 18 - AWG 6			●
				LUFS 10.00/180V*	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 58 A / AWG 18 - AWG 6			●
				LUFS 10.00/90	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 61 A / AWG 18 - AWG 6“	●		
				LUFS 10.00/90V*	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 58 A / AWG 18 - AWG 6	●		
PUSH IN		≤ 16 mm²		LUF 15.00/90	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 66 A / AWG 20 - AWG 4	●		
				LUF 15.00/90V*	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 66 A / AWG 20 - AWG 4	●		
				LUF 15.00/180	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 66 A / AWG 20 - AWG 4			●
				LUFS 15.00/90V*	IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 66 A / AWG 20 - AWG 4			●

* mit versetzten Lötstiften

Pitch, in mm	7,50			10,00			15,00		
Rated voltage IEC	600 V	1000 V	1000 V	600 V	1000 V	1000 V	600 V	1000 V	1000 V
Rated voltage UL	300 V	300 V	600 V	300 V	300 V	600 V	300 V	300 V	600 V



LL 6.35



High-power PCB terminal with proven clamping yoke screw connection, 6.35 mm pitch, for conductor cross-sections up to 6 mm².

- UL 600 V approval for unlimited international use in devices.
- Increased derating reserves due to the use of WEMID insulating material.
- Conductor outlet direction of 90°
- Block construction for versions up to 12 poles

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm²
UL: 600 V / 30 A / AWG 26 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

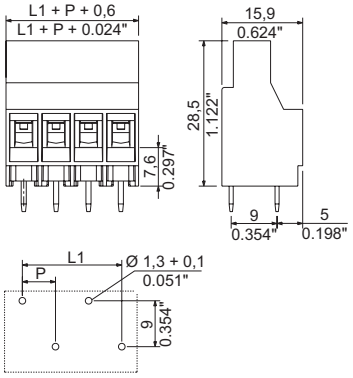
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 6.35



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.18...6		
Solid core H05(07) V-U	**mm²**	**0.18...6**		
Stranded H07 V-R		...4		
Flexible H05(07) V-K	mm²	0.22...4		
Flexible with ferrule	mm²	0.5...4		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	8		
Screwdriver blade	mm	0.8 x 4.0, PZ 1		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**32**		**32**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**30**	**30**	**5**
AWG conductor	**AWG**	**26-10**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	30	30	5
AWG conductor	AWG	26-10		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 0.6		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

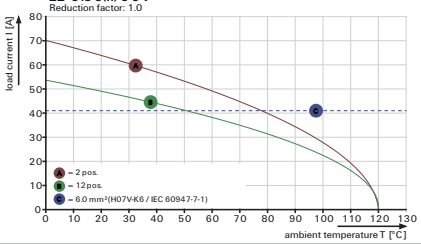
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
	SDK PZ1 X 80	2749440000

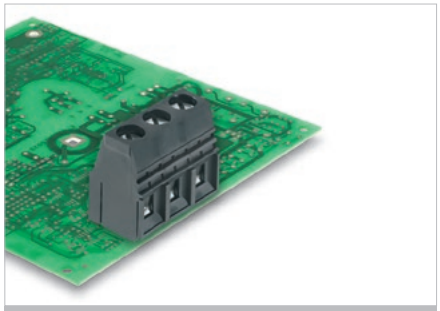
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**6.35 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	6.35	0.250	138	1356830000
3	12.70	0.500	90	1356840000
4	19.05	0.750	66	1356850000
5	25.40	1.000	54	1356870000
6	31.75	1.250	48	1356880000
7	38.10	1.500	36	1356890000
8	44.45	1.750	36	1356900000
9	50.80	2.000	30	1356920000
10	57.15	2.250	24	1356930000
11	63.50	2.500	24	1356940000
12	69.85	2.750	24	1356950000

Representative deratings curve



LU 10.16/../90



High-power PCB Terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm² (AWG 6).

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm²
UL: 300 V / 65 A / AWG 26 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

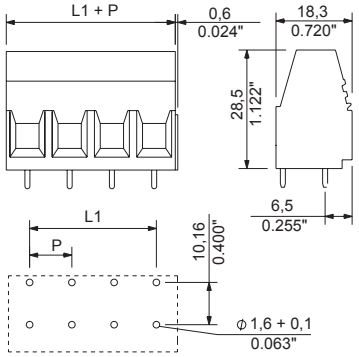
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LU 10.16/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.14...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	2.5...10		
Ferrule with plastic collar	mm²	2.5...10		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5		
According to norm		DIN 5264		
Tightening torque range	Nm	1.2...2.2		
Rated current, max.	**A**	**76**		**76**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**690**	**1000**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**600**
Rated current	**A**	**65**	**65**	**5**
AWG conductor	**AWG**		**26-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	65	65	10
AWG conductor	AWG		22-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

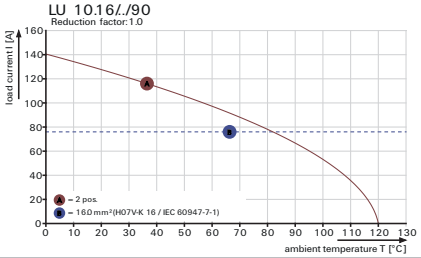
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.0X5.5X150	2749380000
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

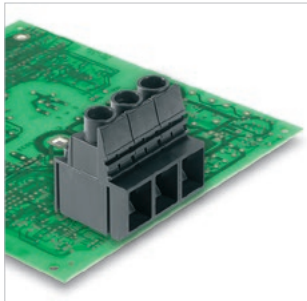
Ordering data

Solder pin length				4.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.16	0.400	20	1934140000
3	20.32	0.800	20	1921450000
4	30.48	1.200	20	1226220000
5	40.64	1.600	20	1226230000
6	50.80	2.000	20	1226240000
7	60.96	2.400	20	1226250000
8	71.12	2.800	20	1226260000
9	81.28	3.200	20	1226270000
10	91.44	3.600	20	1226280000

Representative deratings curve



LUP 10.16/../90



High-power PCB terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm² (AWG 6).

- Increased derating reserves through the use of WEMID insulating material.
- Conductor outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm²
UL: 300 V / 64 A / AWG 26 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

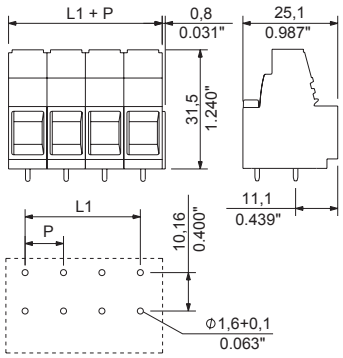
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUP 10.16/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	2.5...10		
Ferrule with plastic collar	mm²	2.5...10		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm		DIN 5264		
Tightening torque range	Nm	1.2...1.5		
Rated current, max.	**A**	**76**		**72**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**64**	**64**	**5**
AWG conductor	**AWG**		**26-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	58	58	5
AWG conductor	AWG		22-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

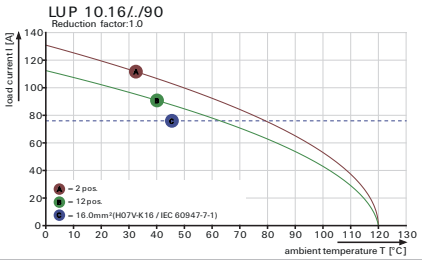
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.0X5.5X150	2749380000
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

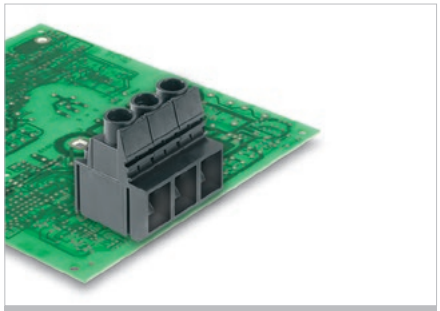
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.16	0.400	20	2014050000
3	20.32	0.800	20	2014060000
4	30.48	1.200	20	2014090000
5	40.64	1.600	20	2014140000
6	50.80	2.000	20	2014150000
7	60.96	2.400	20	2014160000
8	71.12	2.800	20	2014170000
9	81.28	3.200	20	2014180000

Representative deratings curve



LUP 10.16/../90V



High-performance PCB terminal block with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm² (AWG 6).

- UL approval 600 V
- Increased derating reserves through the use of WEMID insulating material.
- Wire outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm²
UL: 300 V / 64 A / AWG 22 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

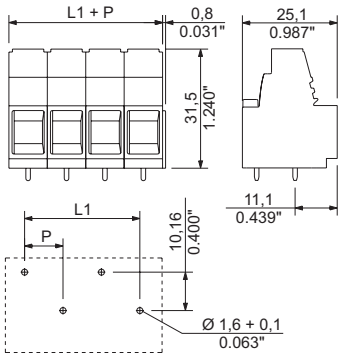
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUP 10.16/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	2.5...10		
Ferrule with plastic collar	mm²	2.5...10		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm		DIN 5264		
Tightening torque range	Nm	1.2...1.5		
Rated current, max.	**A**	**76**		**72**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**64**	**64**	**5**
AWG conductor	**AWG**		**22-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	51	51	5
AWG conductor	AWG		22-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

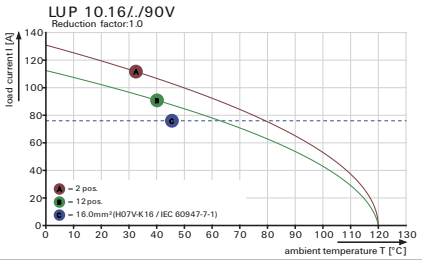
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.0X5.5X150	2749380000
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

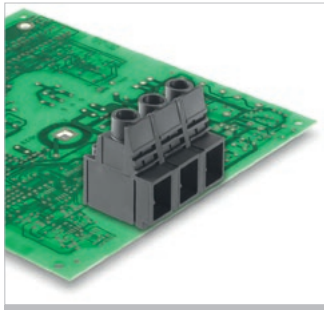
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.16	0.400	20	2012810000
3	20.32	0.800	20	2012890000
4	30.48	1.200	20	2013870000
5	40.64	1.600	20	2013880000
6	50.80	2.000	20	2013890000
7	60.96	2.400	20	2013900000
8	71.12	2.800	20	2013910000
9	81.28	3.200	20	2013920000

Representative deratings curve



LUP 12.7/../90



High-performance PCB terminal block with clamping yoke screw connection, in 12.70 mm pitch for wire cross-sections up to 16 mm².

- UL approval 600 V
- Increased derating reserves through the use of WEMID insulating material.
- Wire outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm²
UL: 600 V / 65 A / AWG 22 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

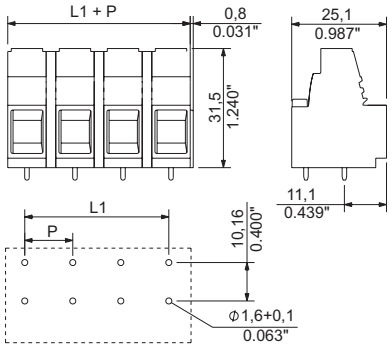
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUP 12.7/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	2.5...10		
Ferrule with plastic collar	mm²	2.5...10		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm		DIN 5264		
Tightening torque range	Nm	1.2...1.5		
Rated current, max.	**A**	**76**		**76**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	
Rated current	**A**	**65**	**65**	
AWG conductor	**AWG**		**22-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	
Rated current	A	65	65	
AWG conductor	AWG		22-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

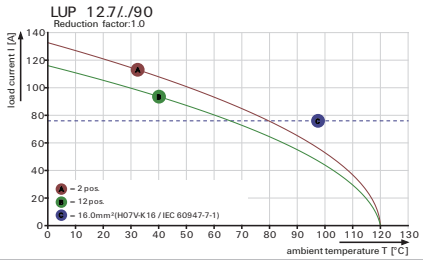
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.0X5.5X150	2749380000
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

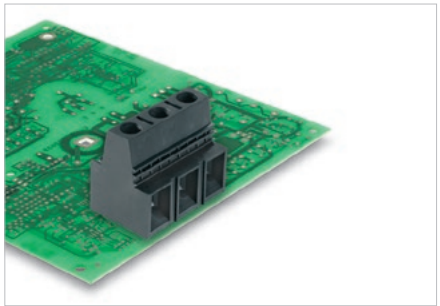
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**12.70 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	12.70	0.500	20	2014360000
3	25.40	1.000	20	2014380000
4	38.10	1.500	20	2014400000
5	50.80	2.000	20	2014420000
6	63.50	2.500	20	2014590000
7	76.20	3.000	20	2014610000
8	88.90	3.250	20	2014760000
9	101.60	4.000	20	2014900000

Representative deratings curve



LX 15.00/../90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 25 mm² (AWG 4).

- UL 600 V approval.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°.
- With integrated test point for PS 2.0 test plug.
- Versions up to 8 poles have block construction.
- Available with and without mounting flange.

Product data

IEC: 1000 V / 101 A / 1.5 - 25 mm²
UL: 600 V / 85 A / AWG 16 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

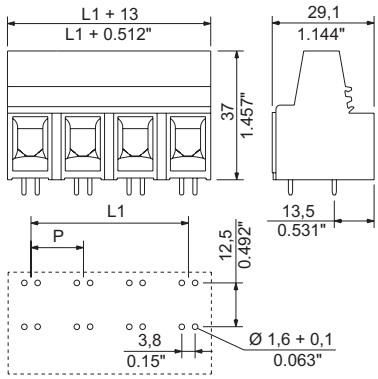
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LX 15.00/../90

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	1.31...25		
Solid core H05(07) V-U	**mm²**	**1.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	1.5...25		
Flexible with ferrule	mm²	1.5...16		
Ferrule with plastic collar	mm²	1.5...16		
Stripping length	mm	16		
Screwdriver blade	mm	1.0 x 5.5		
According to norm		DIN 5264		
Tightening torque range	Nm	2.4...4		
Rated current, max.	**A**	**101**		**101**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**85**	**85**	**5**
AWG conductor	**AWG**		**16-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	85	85	5
AWG conductor	AWG		16-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

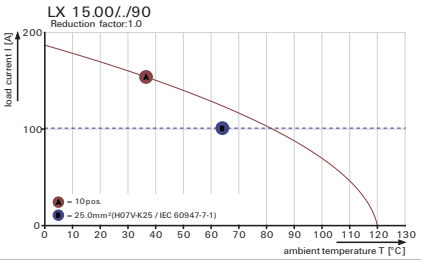
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.2X6.5X150	2749390000
	SDIS 1.2X6.5X150	2749860000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

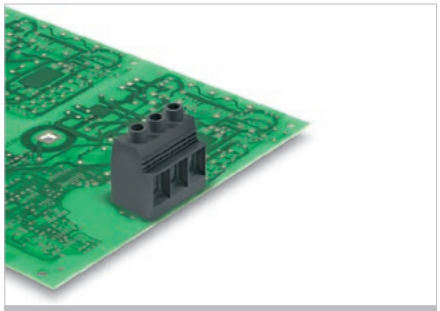
Ordering data

Solder pin length				4.5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
1	0.00	0.000	20	1226460000
2	15.00	0.591	20	1226470000
3	30.00	1.181	20	1174720000
4	45.00	1.772	20	1226480000
5	60.00	2.362	20	1226490000
6	75.00	2.953	10	1226500000

Representative deratings curve



LXXX 15.00/../90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 50 mm² (AWG 1).

- UL 600 V approval for unlimited international usage in devices.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- With integrated test point for PS 2.0 test plug.
- Versions up to 8 poles have block construction.
- Available with and without mounting flange.

Product data

IEC: 1000 V / 150 A / 0.5 - 50 mm²
UL: 600 V / 126 A / AWG 20 - 1

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

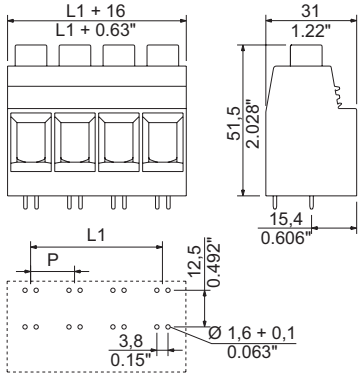
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- IP 20 from 16 mm² to 50 mm²
- The test point can only be used as potential-pickup point.
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LXXX 15.00/../90

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...50		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...50		
Flexible H05(07) V-K	mm²	0.5...35		
Flexible with ferrule	mm²	0.5...35		
Ferrule with plastic collar	mm²	0.5...35		
Stripping length	mm	18		
Screwdriver blade	mm	1.2 x 6.5		
According to norm		DIN 5264		
Tightening torque range	Nm	2.5...4		
Rated current, max.		**150**		**150**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	
Rated current	**A**	**126**	**126**	
AWG conductor	**AWG**		**20-1**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	127	127	5
AWG conductor	AWG		20-1	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2 x 1.2		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

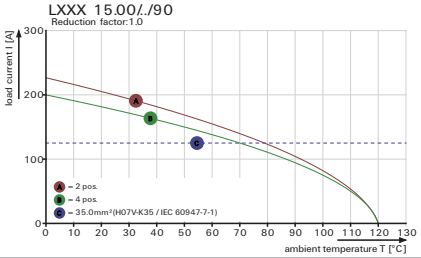
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 1.2X6.5X150	2749390000
	SDIS 1.2X6.5X150	2749860000
Crosshead screwdriver		
	SDK PZ2 X 100	2749450000
	SDIK PZ2 X 100	2749930000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
Marking tags		
	DEK 5/5 MC NE WS	1609801044

Ordering data

Solder pin length				4.5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
1	0.00	0.000	20	1047120000
2	15.00	0.591	20	1047130000
3	30.00	1.181	10	1047140000
4	45.00	1.772	10	1047150000

Representative deratings curve

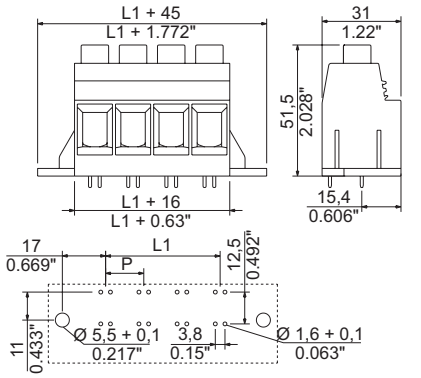


LXXX 15.00/../90F

with fixing flange and test point



Dimensioned drawing



Ordering data

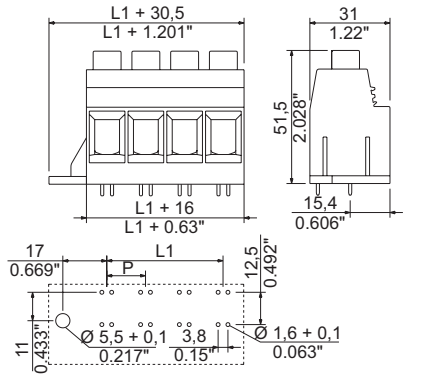
Solder pin length				4.5 mm
Colour				black
Pitch	15.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1047280000
2	15.00	0.591	20	1047290000
3	30.00	1.181	10	1047300000
4	45.00	1.772	10	1047310000

LXXX 15.00/../90FL

with fixing flange left and test point



Dimensioned drawing



Ordering data

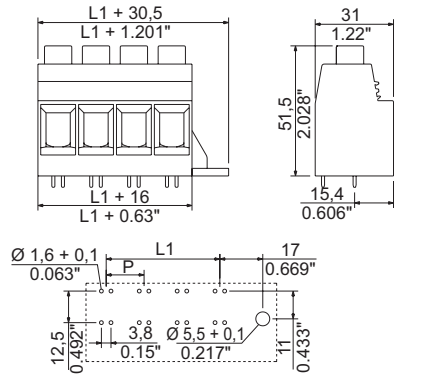
Solder pin length				4.5 mm
Colour				black
Pitch	15.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1047440000
2	15.00	0.591	20	1047450000
3	30.00	1.181	10	1047460000
4	45.00	1.772	10	1047470000

LXXX 15.00/../90FR

with fixing flange right and test point



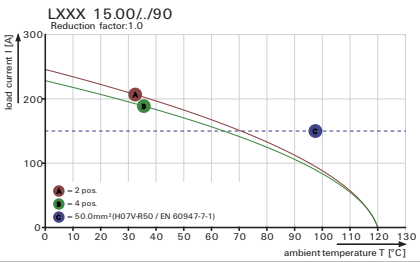
Dimensioned drawing

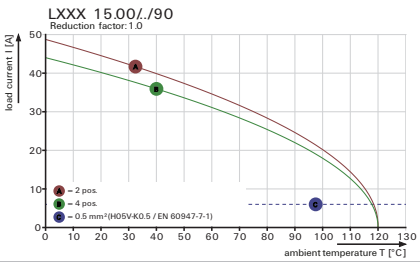


Ordering data

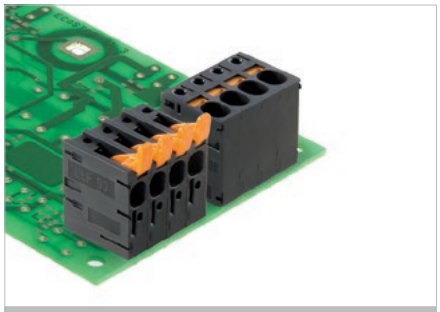
Solder pin length				4.5 mm
Colour				black
Pitch	15.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
1	0.00	0.000	20	1047600000
2	15.00	0.591	20	1047610000
3	30.00	1.181	10	1047620000
4	45.00	1.772	10	1047630000

Additional deratings curves





LLF 7.50/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 300 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

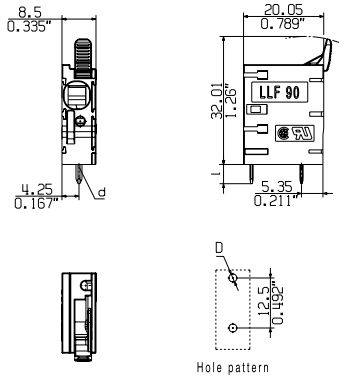
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLF 7.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²	0.5...		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**600**	**1000**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**35**	**35**	**10**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	1000	300
Rated current	A	35	35	10
AWG conductor	AWG		24-8	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

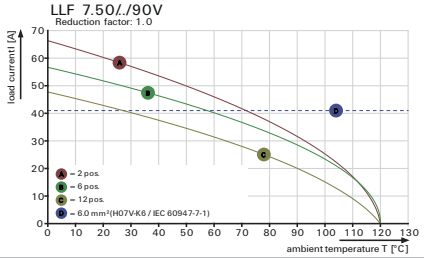
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		**Order No.**
	SDIS 0.5X3.0X100	**2749800000**
	SDS 0.5X3.0X80	**2749330000**
Test plug		
	PS 2.0 MC	**0310000000**

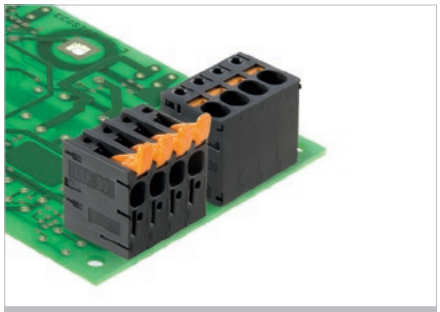
Ordering data

Solder pin length				**5 mm**
Colour				**black**
Pitch	**7.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	200	**2471520000**

Representative deratings curve



LLF 7.50/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

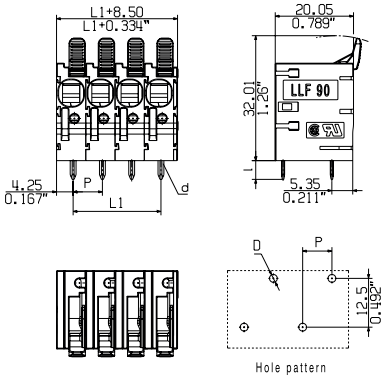
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLF 7.50/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²	0.5...		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	35	35	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

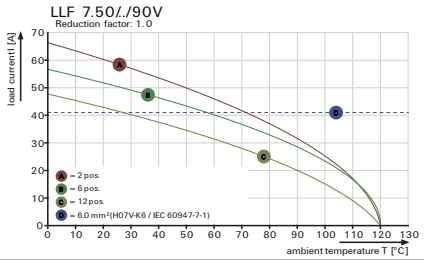
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.5X3.0X100	2749800000
	SDS 0.5X3.0X80	2749330000
Test plug		
	PS 2.0 MC	0310000000

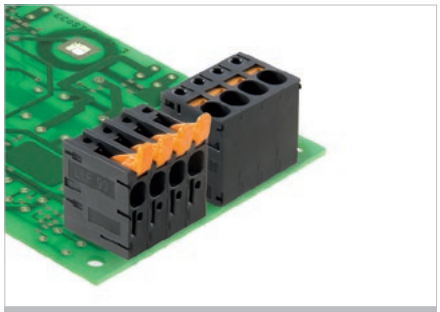
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.50	0.295	100	2471530000
3	15.00	0.590	80	2472090000
4	22.50	0.885	80	2472100000
5	30.00	1.180	50	2472110000
6	37.50	1.475	50	2472120000
7	45.00	1.770	50	2472130000
8	52.50	2.065	30	2472140000

Representative deratings curve



LLFS 7.50/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 1000 V / 37 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

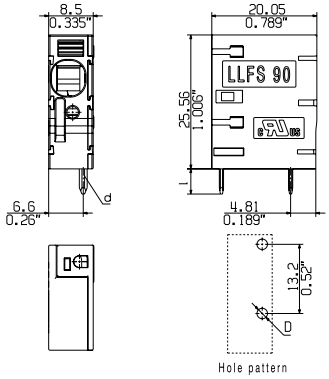
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**600**	**1000**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**37**	**37**	**10**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	1000	300
Rated current	A	37	37	10
AWG conductor	AWG		-	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

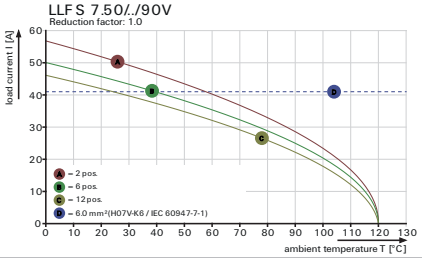
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

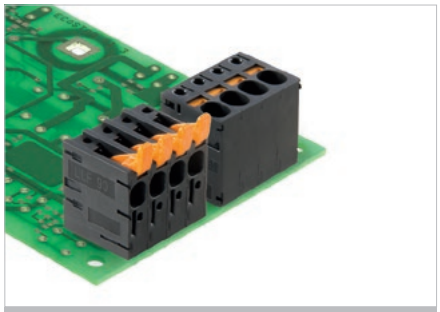
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	200	2473420000

Representative deratings curve



LLFS 7.50/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 600 V / 37 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

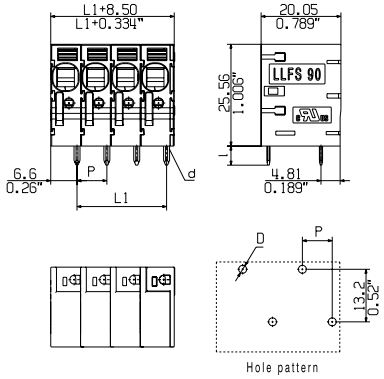
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**37**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**37**	**37**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	37	37	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

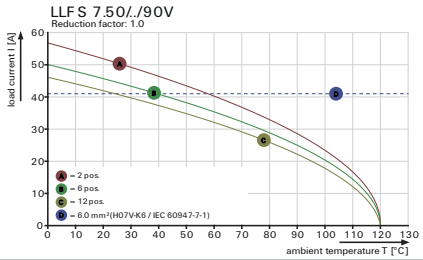
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

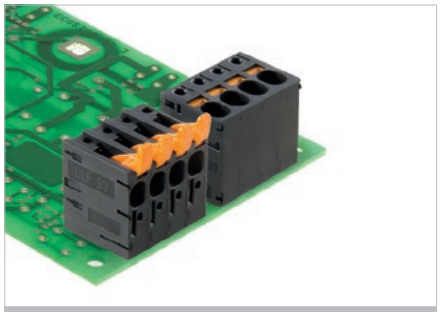
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.50	0.295	100	2473000000
3	15.00	0.590	80	2473010000
4	22.50	0.885	80	2473020000
5	30.00	1.180	50	2473030000
6	37.50	1.475	50	2473040000
7	45.00	1.770	50	2473050000
8	52.50	2.065	30	2473060000

Representative deratings curve



LLFS 7.50/../180



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 1000 V / 37 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

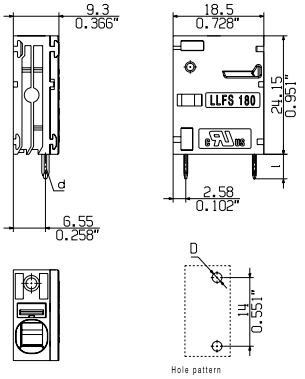
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²	0.5...		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**600**	**1000**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**37**	**37**	**10**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	1000	300
Rated current	A	37	37	10
AWG conductor	AWG		24-8	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

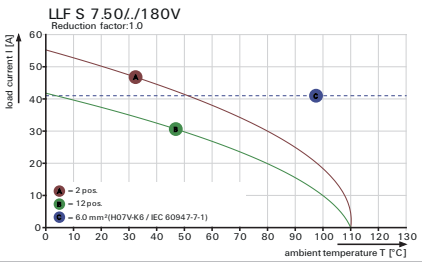
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

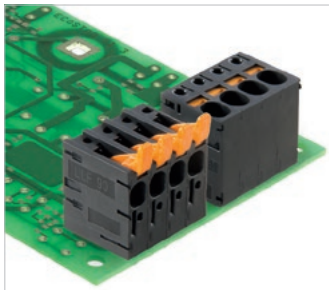
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	200	2491110000

Representative deratings curve



LLFS 7.50/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 600 V / 37 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

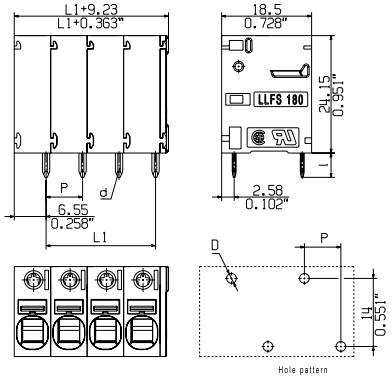
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../180V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.25...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²	0.5...		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**38**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**37**	**37**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	37	37	5
AWG conductor	AWG		-	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	d = 1.5		
Solder eyelet Ø = D	mm	2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

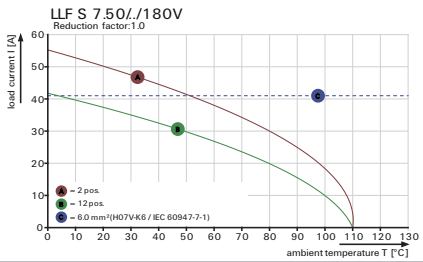
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

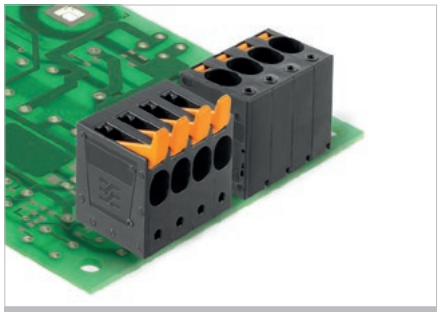
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**7.50 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.50	0.295	100	2491620000
3	15.00	0.591	80	2491630000
4	22.50	0.886	80	2491640000
5	37.50	1.476	50	2491650000
6	30.00	1.181	50	2491660000
7	45.00	1.772	50	2491670000

Representative deratings curve



LUF 10.00/../90



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped securely
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- Wire outlet direction of 90°

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 61 A / AWG 18 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

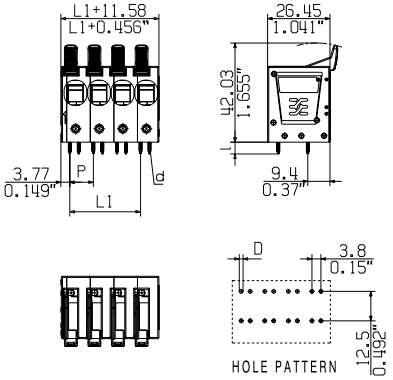
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUF 10.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...25		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**101**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**61**	**61**	**5**
AWG conductor	**AWG**		**18-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	1000	600
Rated current	A	61	61	5
AWG conductor	AWG		18-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

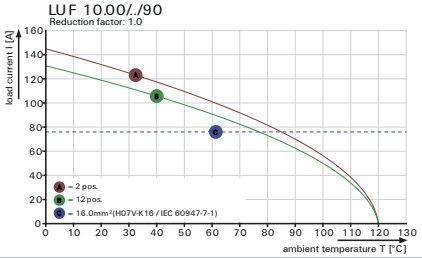
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.8X4.0X100	2749360000
	SDIS 0.8X4.0X100	2749820000
Test plug		
	PS 2.0 MC	0310000000

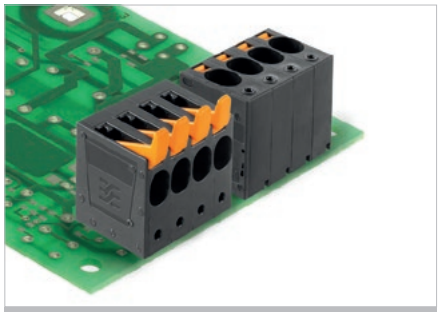
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	50	1988590000
2	10.00	0.394	40	1988600000
3	20.00	0.787	40	1988610000
4	30.00	1.181	30	1988620000
5	40.00	1.575	25	1988630000
6	50.00	1.969	20	1988640000
7	60.00	2.362	10	1988650000
8	70.00	2.756	10	1988660000
9	80.00	3.150	10	1988670000
10	90.00	3.543	10	1988680000
11	100.00	3.937	10	1988690000
12	110.00	4.331	10	1988700000

Representative deratings curve



LUF 10.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 92 A / 0.5 - 25 mm²
UL: 600 V / 58 A / AWG 18 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

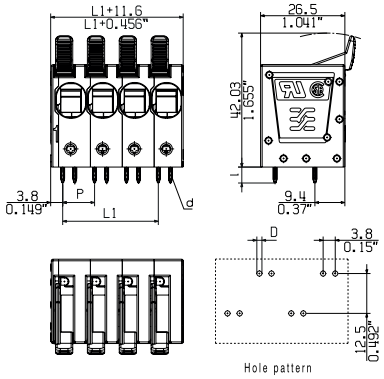
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUF 10.00/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...25		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**92**		**82**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**690**	**1000**
Rated impulse voltage	kV	8	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**58**	**58**	**5**
AWG conductor	**AWG**		**18-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	58	58	5
AWG conductor	AWG		18-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

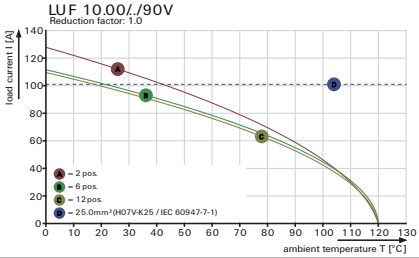
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

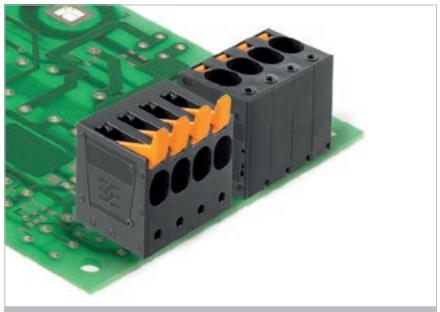
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.00	0.394	40	2453690000
3	20.00	0.787	40	2453700000
4	30.00	1.181	30	2453710000
5	40.00	1.575	25	2453720000
6	50.00	1.969	20	2453730000
7	60.00	2.362	10	2453740000
8	70.00	2.756	10	2453750000
9	80.00	3.150	10	2453760000
10	90.00	3.543	10	2453770000
11	100.00	3.937	10	2453780000
12	110.00	4.331	10	2453790000

Representative deratings curve



LUFS 10.00/../90



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped securely
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- Wire outlet direction of 90°

Product data

IEC: 1000 V / 76 A / 0.5 - 25 mm²
UL: 1000 V / 53 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

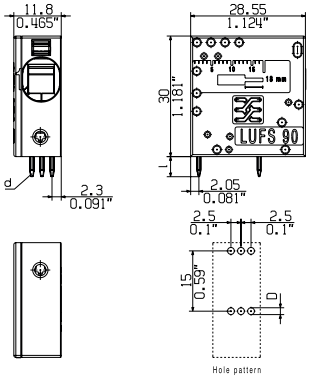
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**76**		**76**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**53**	**53**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	53	53	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

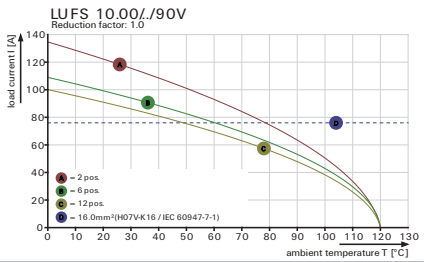
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

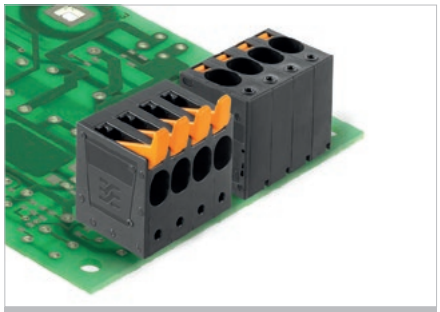
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	50	2500560000

Representative deratings curve



LUFS 10.00/../90V



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped securely
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- Wire outlet direction of 90°

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 53 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

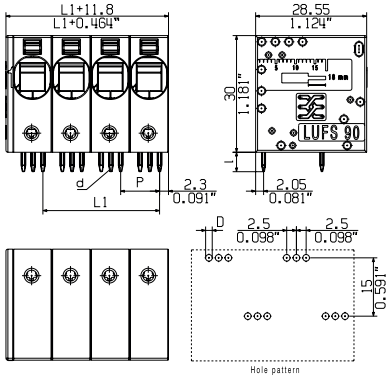
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**90.2**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**53**	**53**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	53	53	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

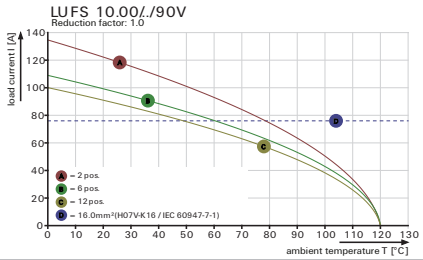
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

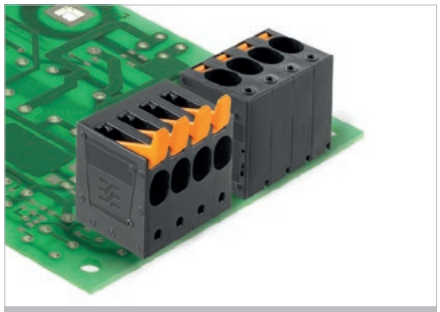
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	10.00	0.394	40	2499430000
3	20.00	0.787	40	2500460000
4	30.00	1.181	30	2500470000
5	40.00	1.575	25	2500480000
6	50.00	1.969	20	2500490000
7	60.00	2.362	10	2500500000
8	70.00	2.756	10	2500510000
9	80.00	3.150	10	2500520000
10	90.00	3.543	10	2500530000
11	100.00	3.937	10	2500540000
12	110.00	4.331	10	2500550000

Representative deratings curve



LUFS 10.00/../180



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm²
UL: 1000 V / 57 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

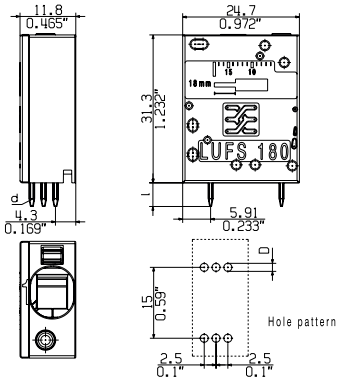
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10.00/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**76**		**76**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**57**	**57**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	57	57	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

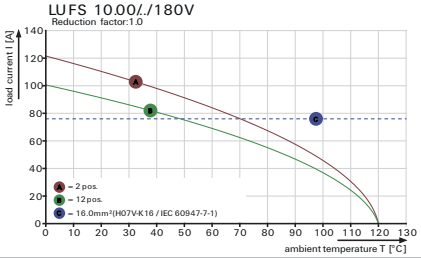
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

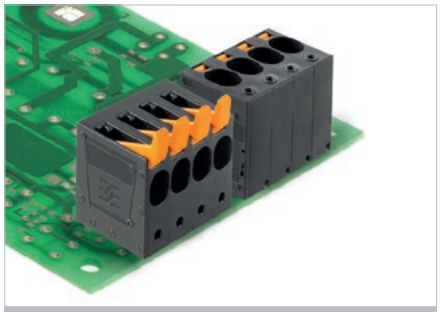
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
1	0.00	0.000	50	2491810000

Representative deratings curve



LUFS 10.00/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 57 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

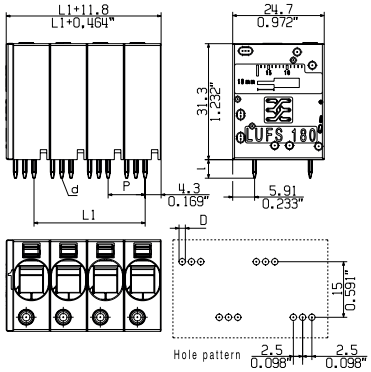
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10.00/../180V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	6...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**101**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**57**	**57**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	57	57	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

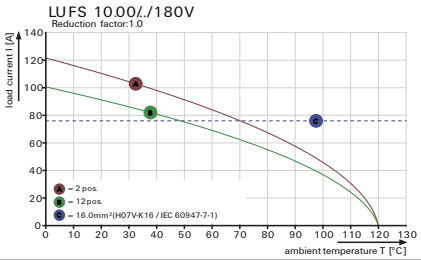
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

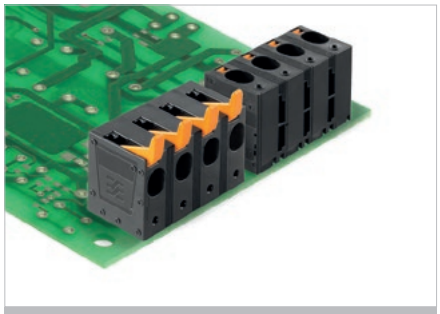
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**10.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	10.00	0.394	40	2492110000
3	20.00	0.787	40	2492120000
4	30.00	1.181	30	2492130000
5	40.00	1.575	25	2492140000
6	50.00	1.969	20	2492150000
7	60.00	2.362	10	2492160000
8	70.00	2.756	10	2492170000
9	80.00	3.150	10	2492180000
10	90.00	3.543	10	2492190000
11	100.00	3.937	10	2492200000
12	110.00	4.331	10	2492210000

Representative deratings curve



LUF 15.00/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 61 A / AWG 18 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

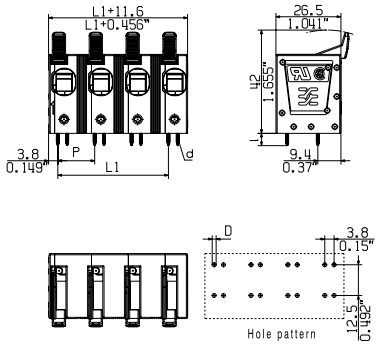
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUF 15.00/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...25		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**101**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**61**	**61**	**5**
AWG conductor	**AWG**		**18-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	61	61	5
AWG conductor	AWG		18-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

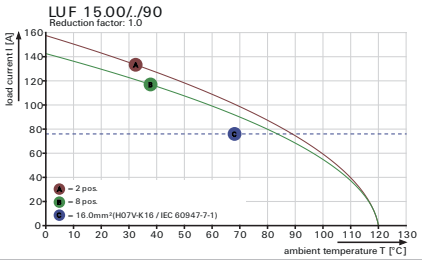
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

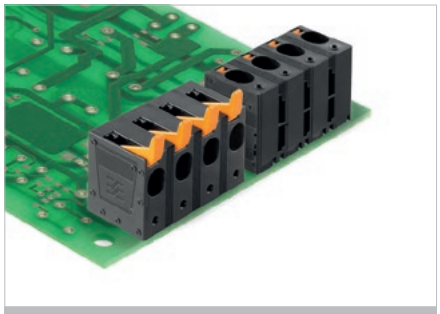
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.00	0.590	40	2491800000
3	30.00	1.181	30	2491900000
4	45.00	1.772	25	2491910000
5	60.00	2.362	20	2491920000
6	75.00	2.953	10	2491930000
7	90.00	3.543	10	2491940000
8	105.00	4.134	10	2491950000

Representative deratings curve



LUF 15.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 58 A / AWG 18 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

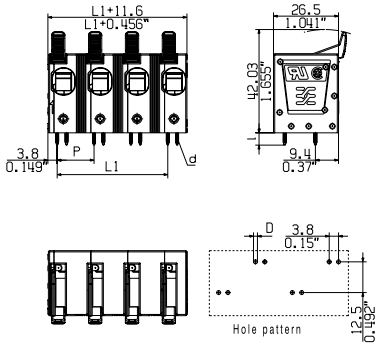
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUF 15.00/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...25		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**95.3**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	8
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**58**	**58**	**5**
AWG conductor	**AWG**		**18-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	58	58	5
AWG conductor	AWG		18-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.7		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

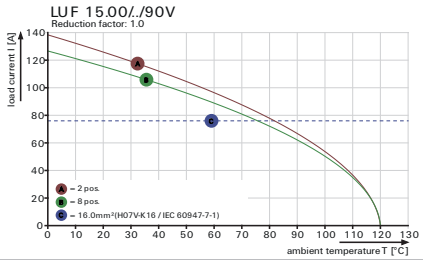
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

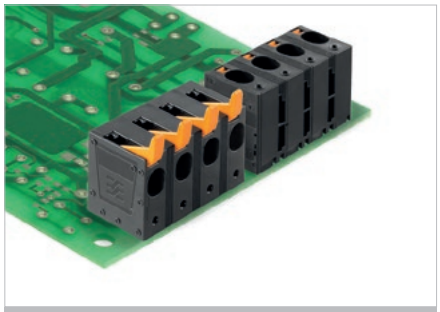
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.00	0.590	40	2492000000
3	30.00	1.181	30	2492010000
4	45.00	1.772	25	2492020000
5	60.00	2.362	20	2492030000
6	75.00	2.953	10	2492040000
7	90.00	3.543	10	2492050000
8	105.00	4.134	10	2492060000

Representative deratings curve



LUFS 15.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 53 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

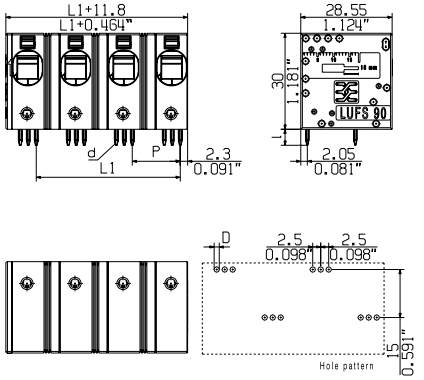
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 15.00/../90V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**76**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**53**	**53**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	53	53	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.7		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

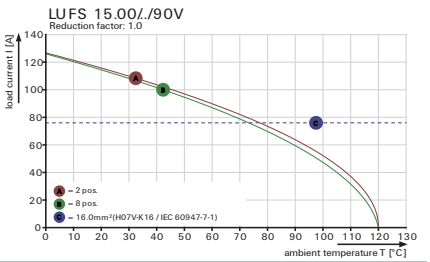
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

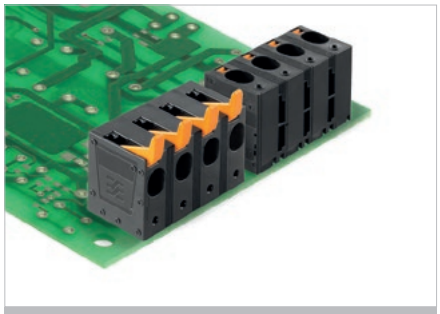
Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.00	0.590	40	2499440000
3	30.00	1.181	30	2500570000
4	45.00	1.772	25	2500580000

Representative deratings curve



LUFS 15.00/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm²
UL: 600 V / 57 A / AWG 18 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

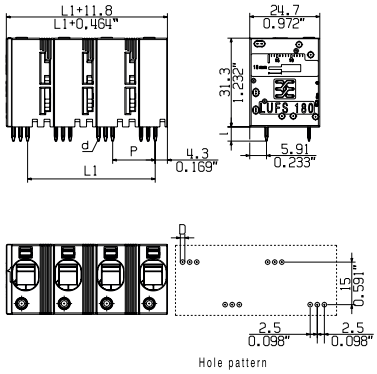
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 15.00/../180V



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...25		
Flexible H05(07) V-K	mm²	0.5...25		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	18		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**101**		**94.5**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**57**	**57**	**5**
AWG conductor	**AWG**		**18-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	57	57	5
AWG conductor	AWG		18-4	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface				
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.7		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

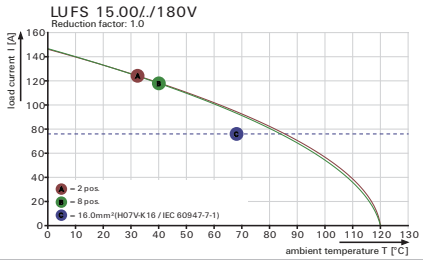
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.8X4.0X100	2749820000
	SDS 0.8X4.0X100	2749360000
Test plug		
	PS 2.0 MC	0310000000

Ordering data

Solder pin length				5 mm
Colour				black
Pitch	**15.00 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	15.00	0.590	40	2491820000
3	30.00	1.181	30	2492220000
4	45.00	1.772	25	2492230000

Representative deratings curve



OMNIMATE® Power PCB connectors

OMNIMATE® Power PCB connectors

OMNIMATE® Power

	Explanation	0.2

OMNIMATE® Power Hybrid

	Explanation	0.4
	Quick selection	0.8
	Product selection	0.10

OMNIMATE® Power IT

	Explanation	0.54
	Quick selection	0.58
	Product selection	0.60

OMNIMATE® Power HP to 2.5 mm² / 24 A

	Explanation	0.90
	Quick selection	0.94
	Product selection	0.98

OMNIMATE® Power HP to 6 mm² / 41 A

	Explanation	0.114
	Quick selection	0.124
	Product selection	0.126

OMNIMATE® Power HP 16 mm² / 76 A

	Explanation	0.184
	Quick selection	0.188
	Product selection	0.190

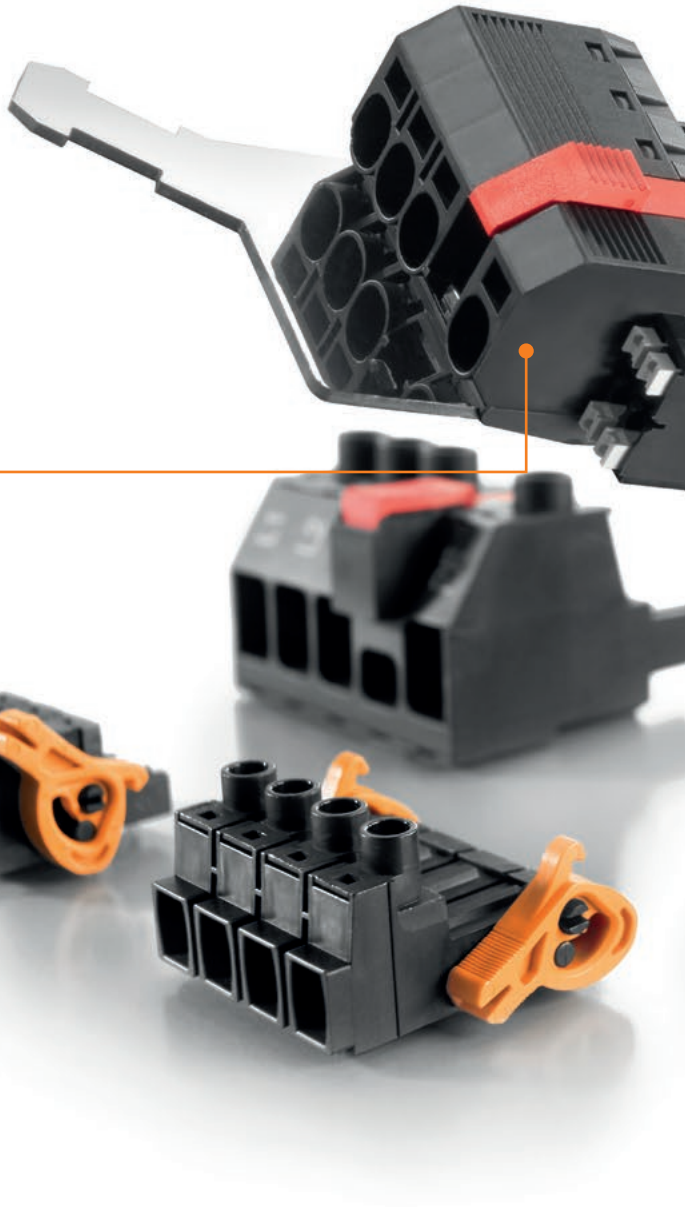
OMNIMATE® Power on BOARD

Integrated connection systems delivering innovative drive applications

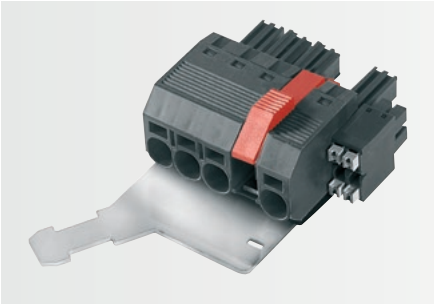
The OMNIMATE® Power system excels in power electronics and drive applications because it has implemented and incorporated customer and market requirements.

Custom-fit connection solutions for power electronics – resulting from the synergy between application-oriented components, individual services and competent design-in support.

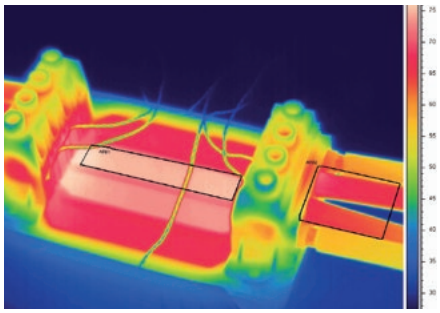
The following pages show why OMNIMATE® Power is the ideal system for power electronics and drive applications. This system has benefited from our broader perspective of component directives and our consistent implementation of requests from the market and customers.

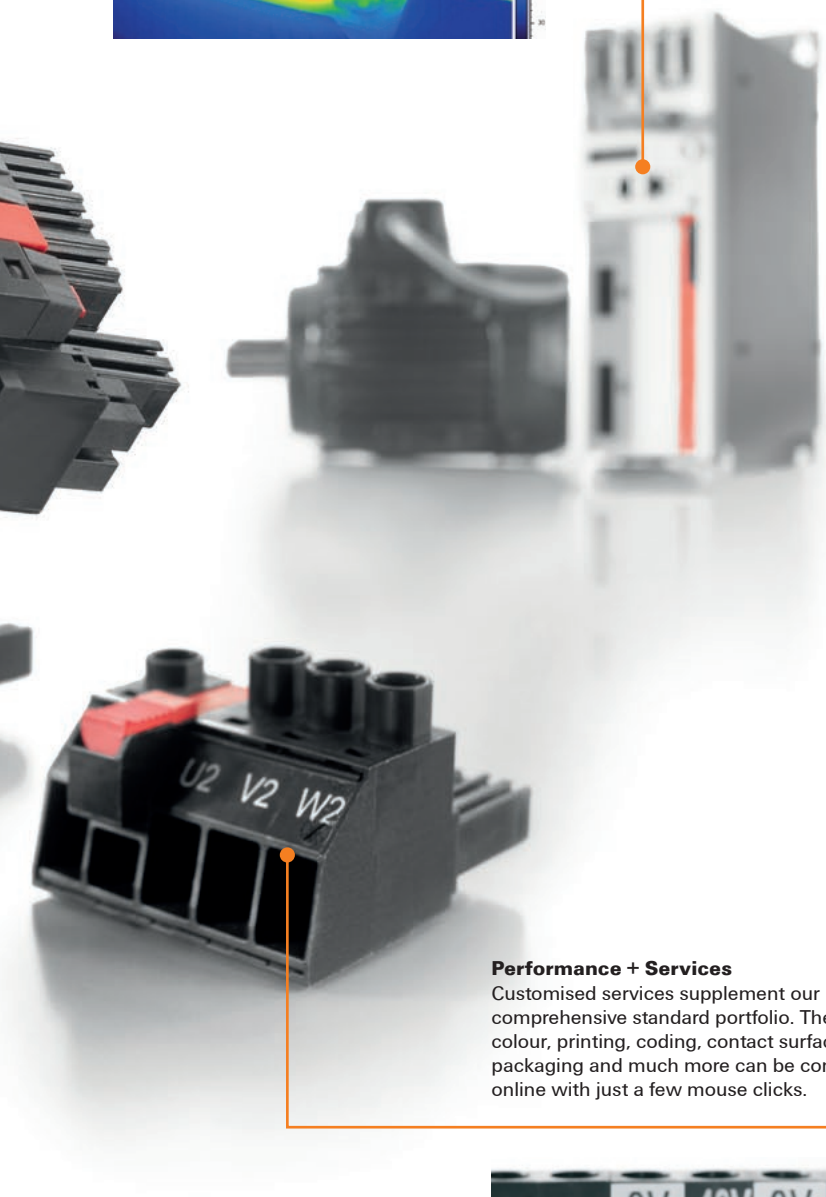


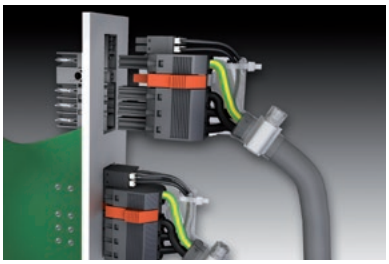
Performance + Innovation
Designed with future requirements in mind whether for cars or servo-drives: hybrid design concepts create an efficient solution from two distinct elements.



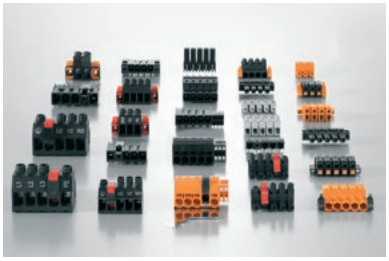
Performance + Support
Weidmüller delivers more than just components. Our design-in competence encompassing work from design and implementation to the market release phase delivers the top results.



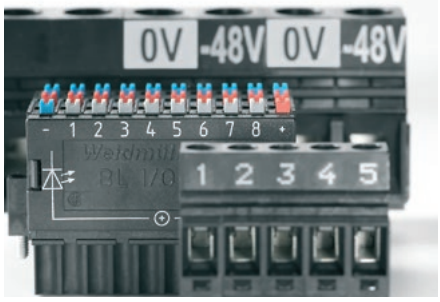




An overview of OMNIMATE® Power
The single-source solution that omits no necessary components a result of Weidmüller's technology and application expertise delivers the optimal designed-in results. The following pages describe the individual product lines in detail.



Performance + Services
Customised services supplement our comprehensive standard portfolio. The housing colour, printing, coding, contact surfaces, packaging and much more can be configured online with just a few mouse clicks.

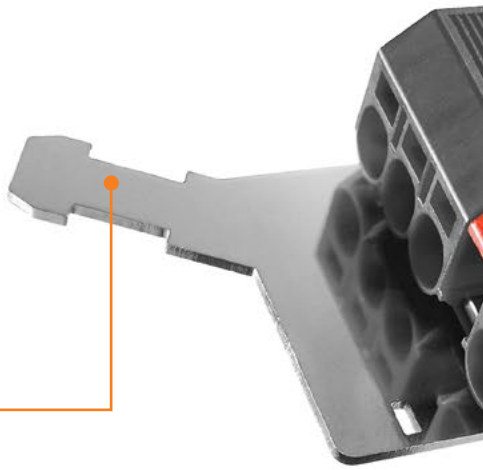


OMNIMATE® Power BV/SV 7.62HP Hybrid – for power, signals and EMC

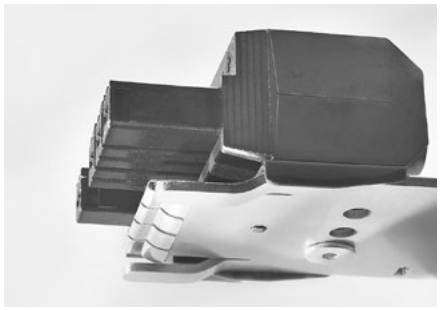
Three functions in one!

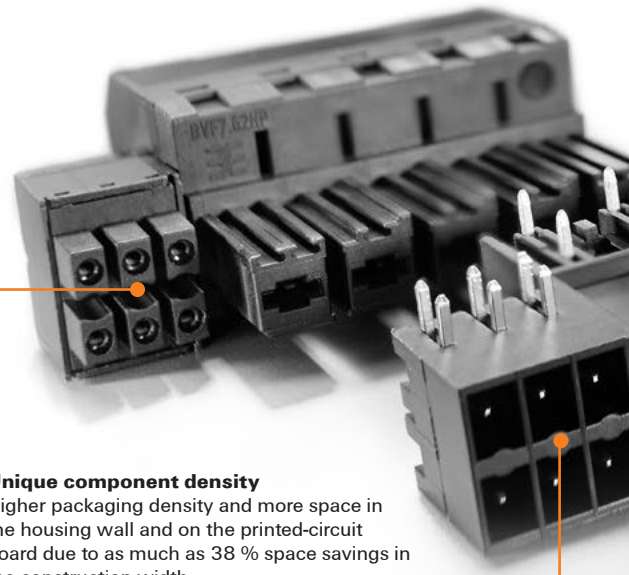
The OMNIMATE® Power Hybrid connector provides developers and users with the perfect three-in-one solution.

The hybrid motor connector can simultaneously connect power, signals and a pluggable EMC shield. This allows you to save space on the circuit board, on the outside of the housing and in the electrical cabinet. The self-locking one-handed interlock mechanism requires only one plugging step and thus speeds up installation and maintenance procedures. It is easy to handle and interlocks automatically – even in difficult installation positions. The unique shielding shape with 30° cable entry enables a space savings of up to 10 cm between rows.

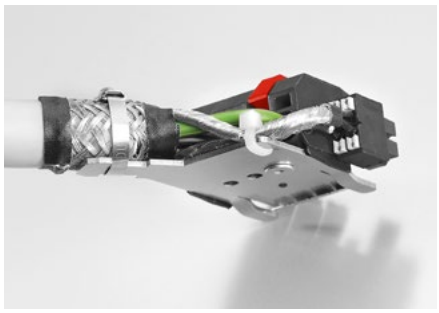


Unique safety
Safe, EMC-compliant shield connection for any application situation and with no risk of error.

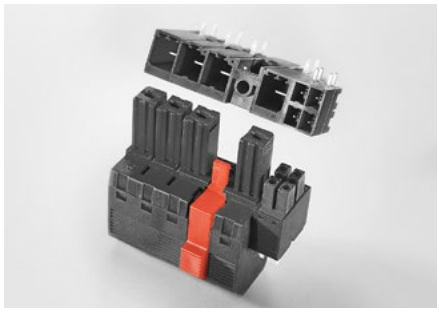




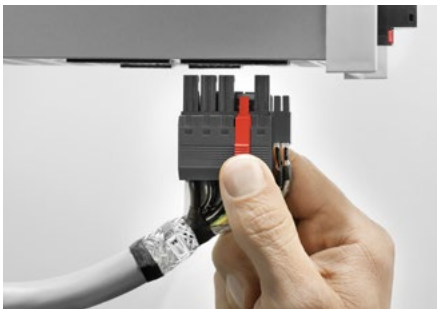
Unique integration
Three-in-one solution: pluggable shield support, integrated signal contacts, and one-handed security flange.

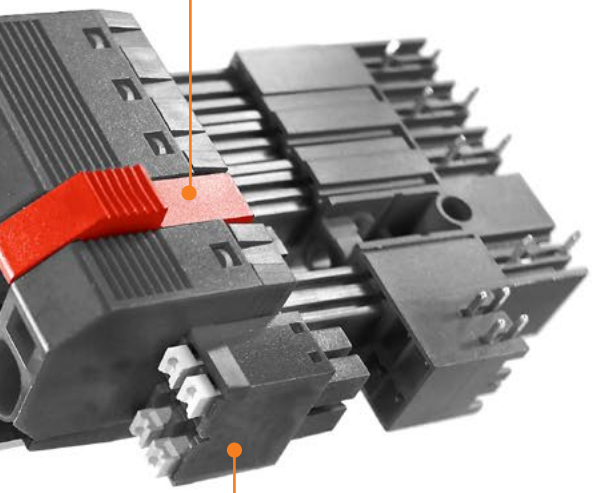


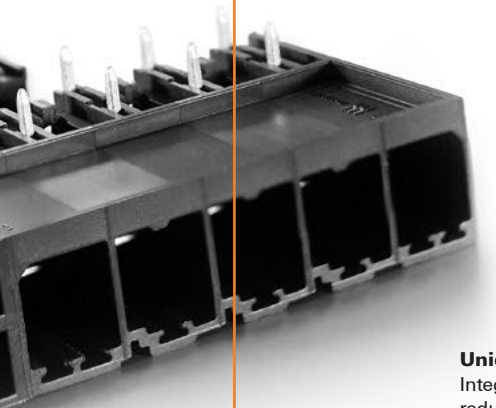
Unique component density
Higher packaging density and more space in the housing wall and on the printed-circuit board due to as much as 38 % space savings in the construction width.



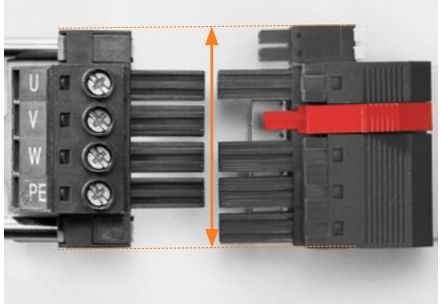
Unique interaction
Plug & Work with intuitive handling: featuring tool-free one-handed operation with automatic snap-in and also "blind" plugging of power, signals and shielding simultaneously.







Unique innovation
Integrating functions, optimising processes, and reducing complexity: The conventional 2 outer flanges have simply been replaced by 1 middle flange, 4 signal contacts and 1 pluggable shield support.

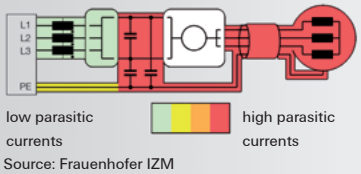


EMC in theory and in the real world
The motor feedback (signal feedback from temperature/encoder) in hybrid, shield-within-shield motor cables is usually made from over-sized power contacts or from disconnected I/O connectors. It also normally requires two separate shield connections. During installation and repairs (replacement), it is possible that the shield terminals could be incorrectly connected, left disconnected or lost. With conventional shielding, it can be quite difficult to tighten the flange screws when the connection is located at a difficult to reach location. So this step is often neglected in the real world.



Reliably avoiding interferences
As a result, malfunctions can then be caused by the coupling of electromagnetic fields within the sensitive electronics. The pluggable, hybrid shield support features a special EMC spring-contact strip which ensures that the shield connection to the housing is permanent, vibration-proof and covers a large surface area. It allows the shielding braid from the power and signal wires to be connected separately – and enables this to be done automatically in one step so that it is not dependent on the user.

Topology of parasitic currents



Source: Frauenhofer IZM

OMNIMATE® Power BVF SH

Contact EMC shielding plate for devices with plastic enclosures

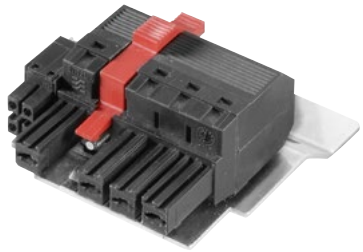
For many drive technology devices, reliable contact with the EMC shielding is necessary to avoid EMC-related interference in the system. For devices with a plastic housing in the front area, the shield support is considerably more difficult to contact.

The new OMNIMATE connector BVF 7.62 Hybrid with PUSH IN connection has a pluggable shielding plate with a special EMC spring contact strip. It enables large-area, durable, and vibration-proof shield connection to the device. During the connection process, the connector attaches directly to a contact surface on the PCB. As a result, a reliable EMC cable shielding is implemented for devices with plastic enclosures.

Your special advantages:

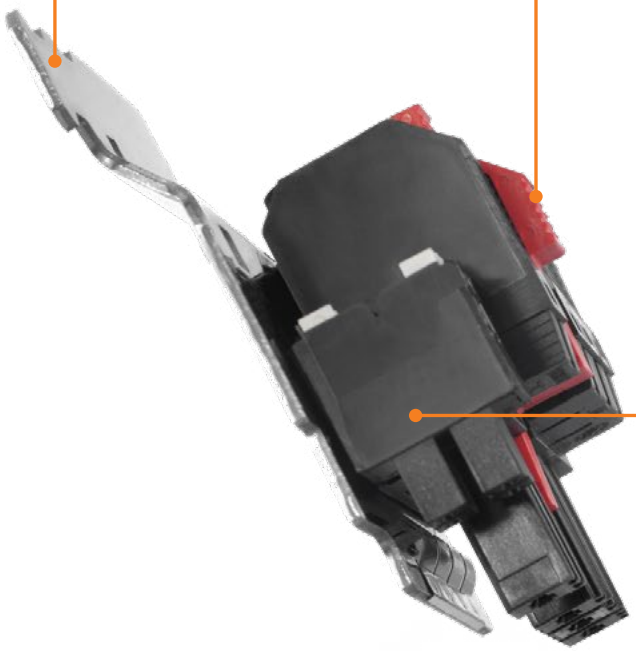
- Hybrid connector with PUSH IN connection and pluggable shielding
- Current rating up to 38 A (IEC) / 35 A (UL)
- Pitch 7,62 mm / 3,81 mm
- Shielding contacts directly to a contact surface on the circuit board
- Secure fixing by central screw block

Avoid EMC problems
The integrated EMC shielding, when plugged in, attaches directly to a contact surface on the circuit board. Complex arrangements for cable screens on the device housing are unnecessary.



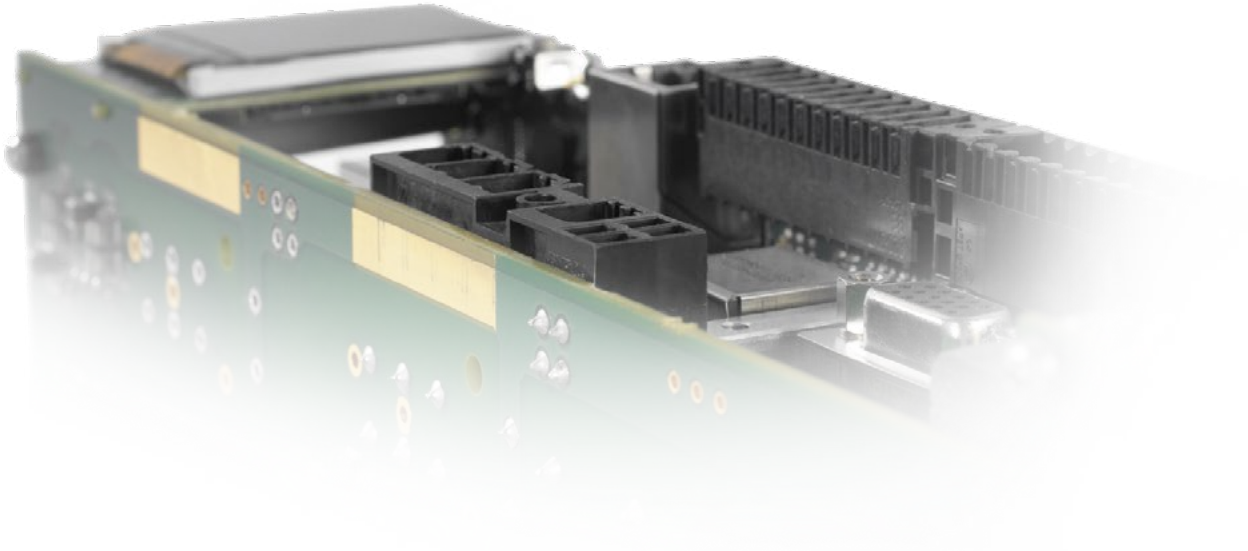
Easy device integration
Versions with straight or angled cable shield outlet at the connector allow variable integration. The screwable central flange lock ensures a secure and durable attachment to the device.





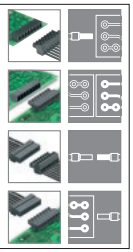
Practical hybrid connector
The OMNIMATE® hybrid connector BVF 7.62 combines power and signal contacts with a pluggable shield connection. Ideal for use as a single cable interface for motor connection to servo drives.



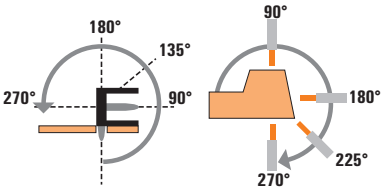


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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



Orientation



Hybrid pin header	Hybrid pin header
Solder connection	Solder connection





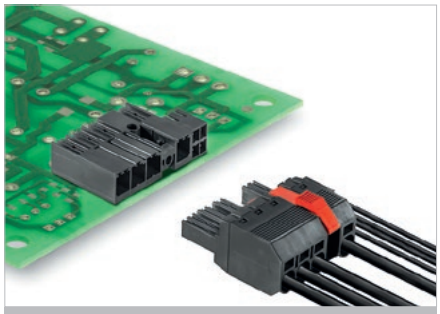
BV/SV 7.62 series

Type					SV-SMT & SC 3.81		SV & SC 3.81	
Orientation					90° / 270°		90° / 270°	
Flange options					G/MF/MSF		G/MF/MSF	
Product code numbers					IEC: 1000V / 41A UL: 300V / 35A		IEC: 1000V / 41A UL: 200V / 35A	
Hybrid female connector	PUSH IN		**BVF & BC 3.81**	180° (G)/MF/MSF	IEC: 1000V / 41A / 0.2 -10mm² UL: 600V / 35A / AWG 24-8	○ ●	○ ●	
			**BVFL & BC 3.81**	180° (G)/MF/MSF	IEC: 1000V / 41A / 0.2 -6mm² UL: 600V / 35A / AWG 24-8	○ ●	○ ●	
Hybrid female connector	PUSH IN		**BVF & BC 3.81***	180° (G)/MF/MSF	IEC: 1000V / 41A / 0.2 -10mm² UL: 600V / 35A / AWG 24-8	○ ●	○ ●	
			**BVFL & BC 3.81***	180° (G)/MF/MSF	IEC: 1000V / 41A / 0.2 -6mm² UL: 600V / 35A / AWG 24-8	○ ●	○ ●	

* pluggable shield support as an accessory or fitted in advance by us

G = Closed (without flange)
MF = Centre flange for clasp
MSF = middle flange with screw and latching hook

SV-SMT/../90 & SC 3.81



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

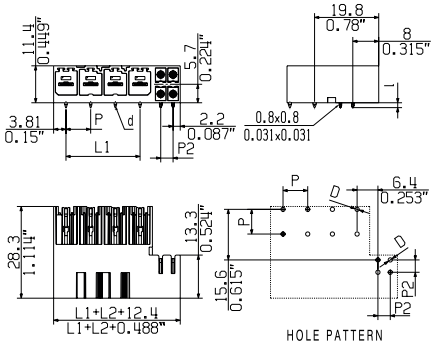
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

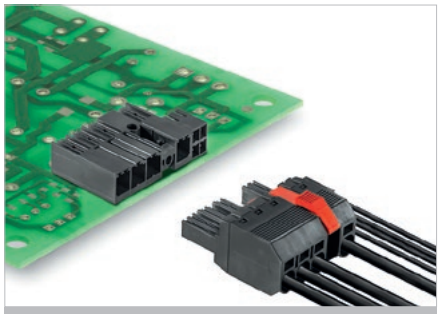
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	2528950000
2 / 6	7.62	0.300	7.62	0.300	66	2529030000
2 / 8	7.62	0.300	11.43	0.450	60	2529040000
3 / 4	15.24	0.600	3.81	0.150	60	2529050000
3 / 6	15.24	0.600	7.62	0.300	54	2529060000
3 / 8	15.24	0.600	11.43	0.450	48	2529070000
4 / 4	22.86	0.900	3.81	0.150	48	2529080000
4 / 6	22.86	0.900	7.62	0.300	42	2529090000
4 / 8	22.86	0.900	11.43	0.450	36	2529100000

SV-SMT/../90 & SC 3.81 MF



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

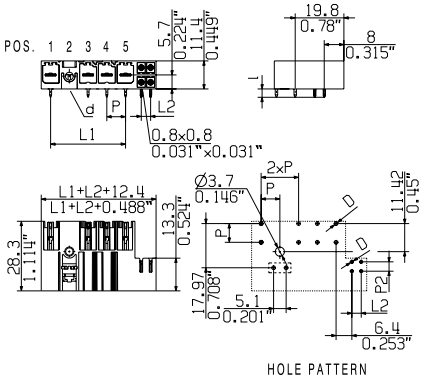
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81 MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

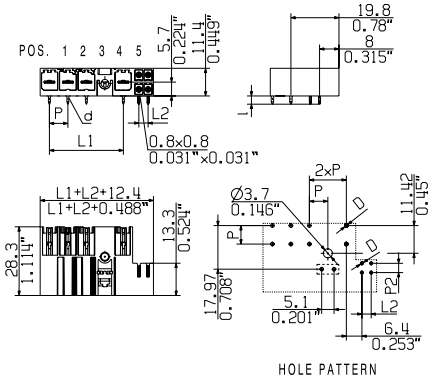
Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2529000000
4 / 4	30.48	1.200	3.81	0.150	36	2626800000

SV-SMT/../90 & SC 3.81 MF4



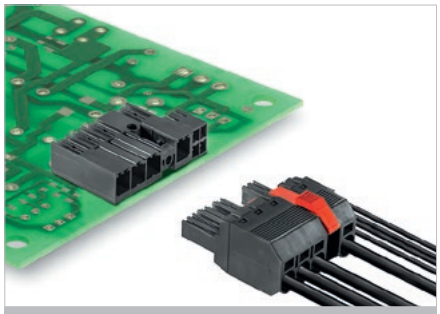
Dimensioned drawing



Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	36	**2529800000**

SV-SMT/../90 & SC 3.81 MSF



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

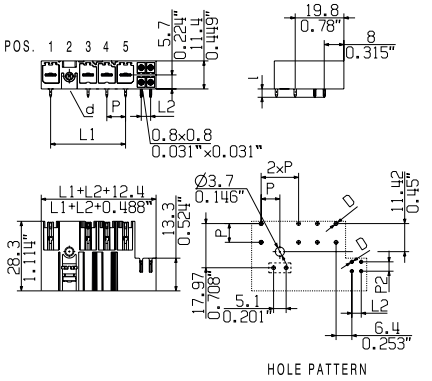
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81 MSF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

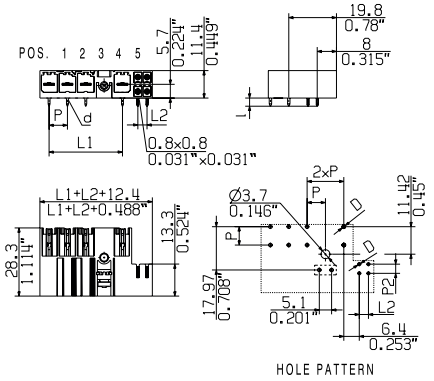
Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2529890000
4 / 4	30.48	1.200	3.81	0.150	36	2626930000

SV-SMT/../90 & SC 3.81 MSF4



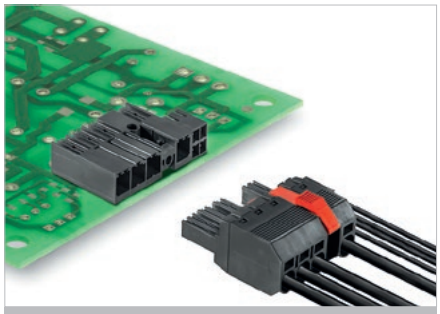
Dimensioned drawing



Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	36	**2529980000**

SV-SMT/../270 & SC 3.81



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

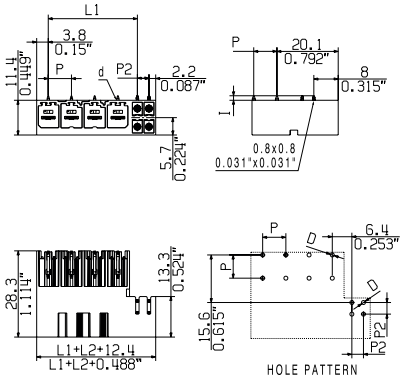
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../270 & SC 3.81



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

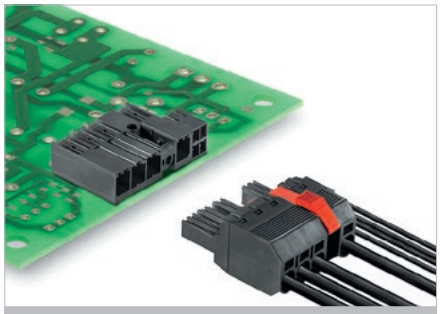
Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	66	2528970000
4 / 4	22.86	0.900	3.81	0.150	48	2529310000

Connectors in 7.62 mm pitch
Series BV/SV 7.62 - connection up to 6 mm²

SV-SMT/../270 & SC 3.81 MF



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

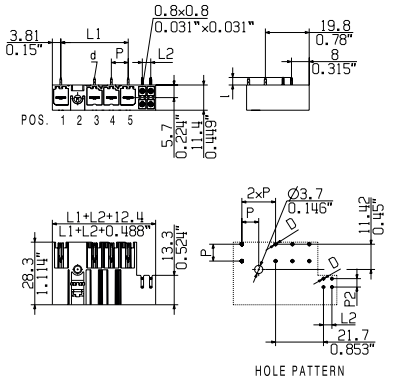
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../270 & SC 3.81 MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

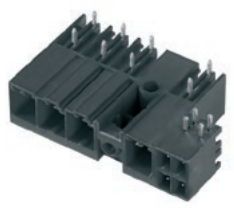
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

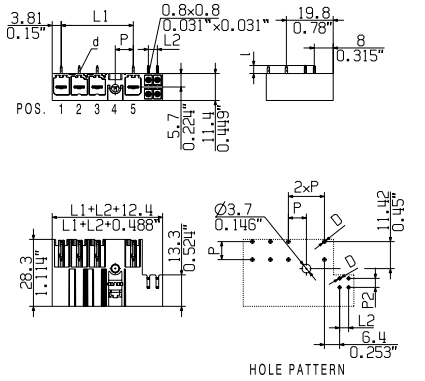
Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2529010000

SV-SMT/../270 & SC 3.81 MF4



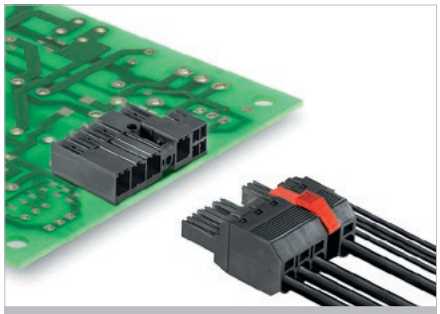
Dimensioned drawing



Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	36	**2529450000**
4 / 6	30.48	1.200	7.62	0.300	36	**2529460000**
4 / 8	30.48	1.200	11.43	0.450	30	**2529470000**
5 / 4	38.10	1.500	3.81	0.150	30	**2529510000**
5 / 6	38.10	1.500	7.62	0.300	30	**2529520000**
5 / 8	38.10	1.500	11.43	0.450	30	**2529530000**

SV-SMT/../270 & SC 3.81 MSF



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 33 A

72h

For additional articles and information, refer to eshop.weidmueller.com

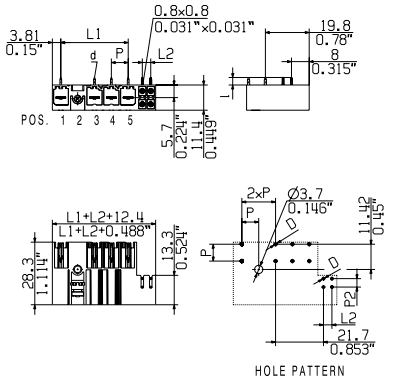
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../270 & SC 3.81 MSF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**33**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

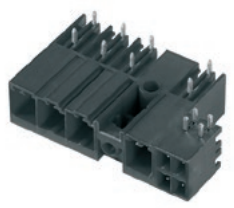
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

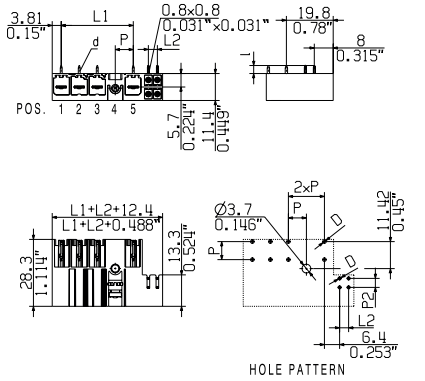
Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2529540000

SV-SMT/../270 & SC 3.81 MSF4



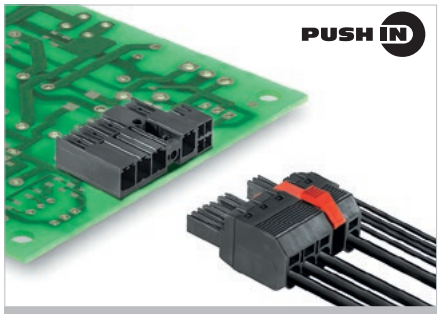
Dimensioned drawing



Ordering data

Solder pin length						2.6 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	36	**2529630000**

SV 7.62HP/../90 & SC 3.81



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

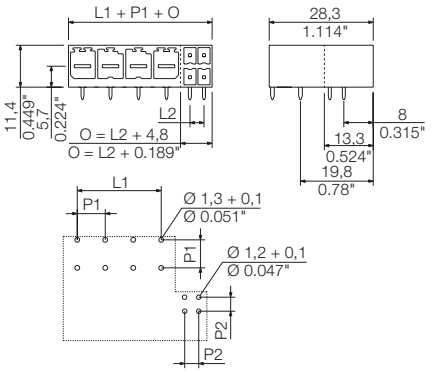
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90 SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

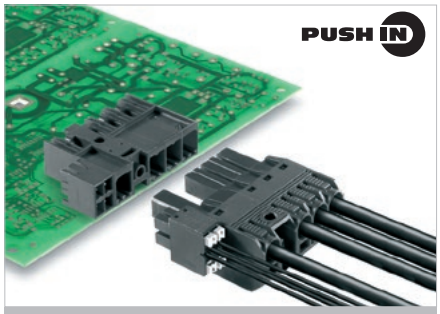
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	1089840000
2 / 6	7.62	0.300	7.62	0.300	66	1089920000
2 / 8	7.62	0.300	11.43	0.450	60	1157040000
3 / 4	15.24	0.600	3.81	0.150	60	1090040000
3 / 6	15.24	0.600	7.62	0.300	48	1090120000
3 / 8	15.24	0.600	11.43	0.450	48	1157050000
4 / 4	22.86	0.900	3.81	0.150	48	1090280000
4 / 6	22.86	0.900	7.62	0.300	42	1090360000
4 / 8	22.86	0.900	11.43	0.450	36	1157380000
5 / 4	30.48	1.200	3.81	0.150	36	1090520000
5 / 6	30.48	1.200	7.62	0.300	36	1090590000
5 / 8	30.48	1.200	11.43	0.450	30	1157080000

SV 7.62HP/../90 & SC 3.81MF



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

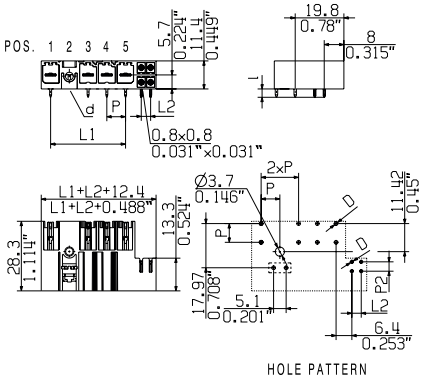
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90MF2. SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

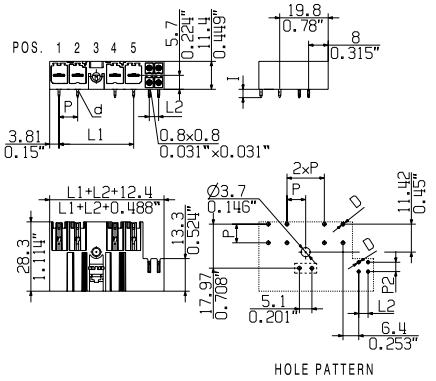
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	1089370000
2 / 6	15.24	0.600	7.62	0.300	48	1089410000
2 / 8	15.24	0.600	11.43	0.450	48	1156820000
3 / 4	22.86	0.900	3.81	0.150	48	1156230000
3 / 6	22.86	0.900	7.62	0.300	42	1156240000
3 / 8	22.86	0.900	11.43	0.450	36	1156840000

SV 7.62HP/../90MF3. SC/..R



Dimensioned drawing



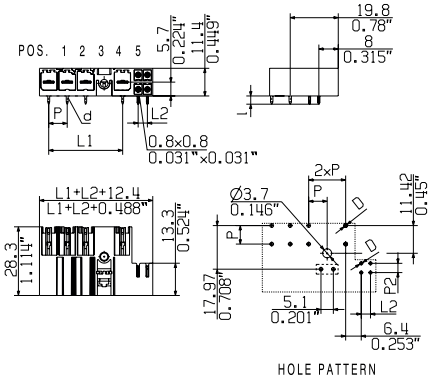
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	1089660000
3 / 6	22.86	0.900	7.62	0.300	42	1089730000
3 / 8	22.86	0.900	11.43	0.450	36	1156850000
5 / 4	38.10	1.500	3.81	0.150	30	1156910000
5 / 6	38.10	1.500	7.62	0.300	30	1156930000
5 / 8	38.10	1.500	11.43	0.450	30	1156950000

SV 7.62HP/../90MF4. SC/..R



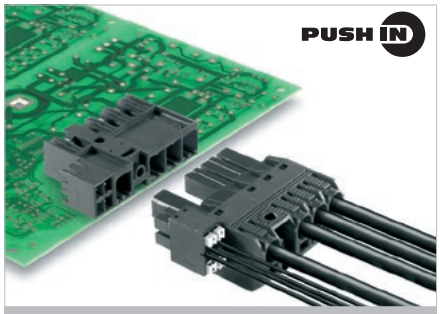
Dimensioned drawing



Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	36	1090130000
4 / 6	30.48	1.200	7.62	0.300	36	1090210000
4 / 8	30.48	1.200	11.43	0.450	30	1156890000
5 / 4	38.10	1.500	3.81	0.150	30	1090600000
5 / 6	38.10	1.500	7.62	0.300	30	1090670000
5 / 8	38.10	1.500	11.43	0.450	30	1156980000

SV 7.62HP/../90 & SC 3.81MSF



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

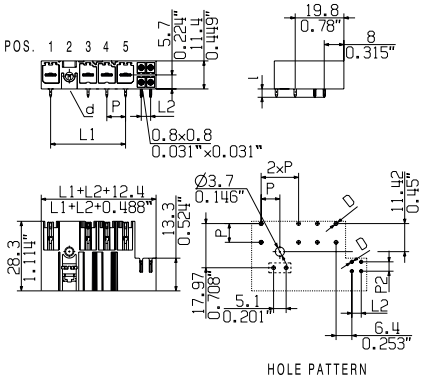
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90MSF2. SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

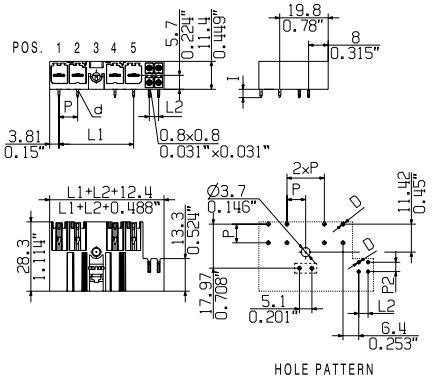
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	1089510000
2 / 6	15.24	0.600	7.62	0.300	48	1089570000
2 / 8	15.24	0.600	11.43	0.450	48	1156830000
3 / 4	22.86	0.900	3.81	0.150	48	1156250000
3 / 6	22.86	0.900	7.62	0.300	42	1156270000
3 / 8	22.86	0.900	11.43	0.450	36	1156870000

SV 7.62HP/../90MSF3. SC/..R



Dimensioned drawing



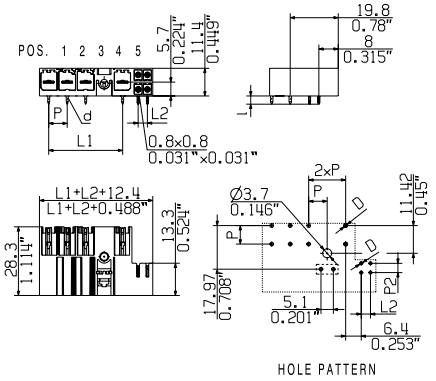
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	1089890000
3 / 6	22.86	0.900	7.62	0.300	42	1089970000
3 / 8	22.86	0.900	11.43	0.450	36	1156880000
5 / 4	38.10	1.500	3.81	0.150	30	1157000000
5 / 6	38.10	1.500	7.62	0.300	30	1157010000
5 / 8	38.10	1.500	11.43	0.450	30	1157020000

SV 7.62HP/../90MSF4. SC/..R



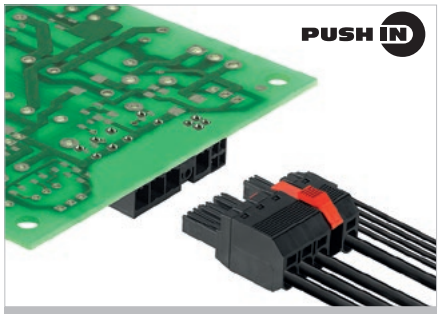
Dimensioned drawing



Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	36	1090370000
4 / 6	30.48	1.200	7.62	0.300	36	1090450000
4 / 8	30.48	1.200	11.43	0.450	30	1156900000
5 / 4	38.10	1.500	3.81	0.150	30	1090830000
5 / 6	38.10	1.500	7.62	0.300	30	1090900000
5 / 8	38.10	1.500	11.43	0.450	30	1157030000

SV 7.62HP/../270 & SC 3.81



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

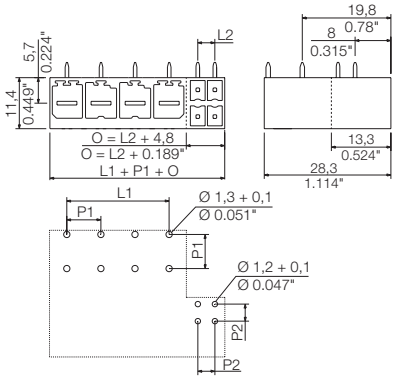
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../270 SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

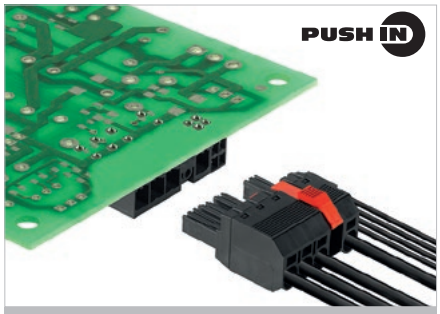
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	1090770000
2 / 6	7.62	0.300	7.62	0.300	66	1090850000
2 / 8	7.62	0.300	11.43	0.450	60	1156920000
3 / 4	15.24	0.600	3.81	0.150	60	1090950000
3 / 6	15.24	0.600	7.62	0.300	48	1091010000
3 / 8	15.24	0.600	11.43	0.450	48	1156940000
4 / 4	22.86	0.900	3.81	0.150	48	1091120000
4 / 6	22.86	0.900	7.62	0.300	42	1091160000
4 / 8	22.86	0.900	11.43	0.450	36	1156970000
5 / 4	30.48	1.200	3.81	0.150	36	1091240000
5 / 6	30.48	1.200	7.62	0.300	36	1091260000
5 / 8	30.48	1.200	11.43	0.450	30	1156990000

SV 7.62HP/../270 & SC 3.81MF



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

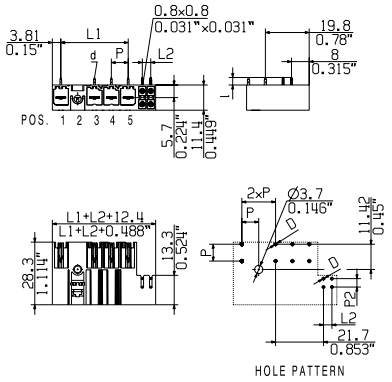
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../270MF2. SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

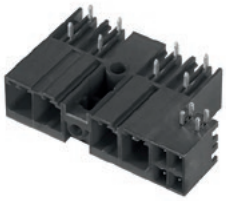
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

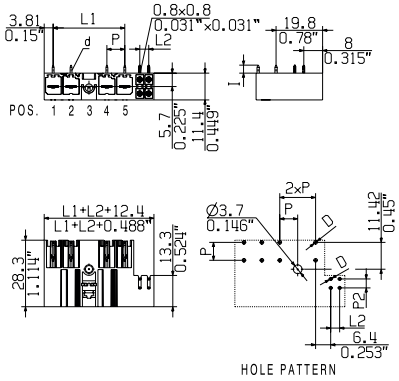
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	1089260000
2 / 6	15.24	0.600	7.62	0.300	48	1089280000
2 / 8	15.24	0.600	11.43	0.450	48	1156120000
3 / 4	22.86	0.900	3.81	0.150	48	1156140000
3 / 6	22.86	0.900	7.62	0.300	42	1156150000
3 / 8	22.86	0.900	11.43	0.450	36	1156170000

SV 7.62HP/../270MF3. SC/..R



Dimensioned drawing



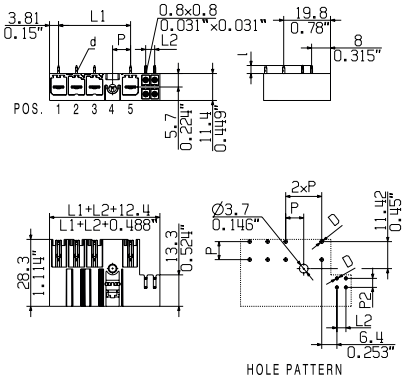
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	1089440000
3 / 6	22.86	0.900	7.62	0.300	42	1089490000
3 / 8	22.86	0.900	11.43	0.450	36	1156180000
5 / 4	30.48	1.500	3.81	0.150	30	1156300000
5 / 6	38.10	1.500	7.62	0.300	30	1156310000
5 / 8	38.10	1.500	11.43	0.450	30	1156320000

SV 7.62HP/../270MF4. SC/..R



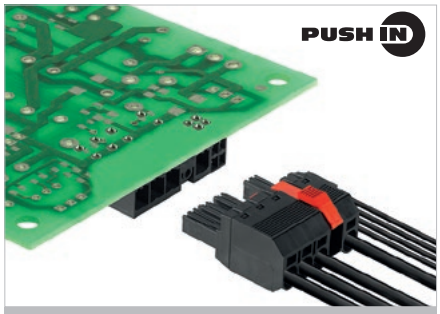
Dimensioned drawing



Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	0.900	3.81	0.150	36	1089820000
4 / 6	30.48	1.200	7.62	0.300	36	1089910000
4 / 8	30.48	1.200	11.43	0.450	30	1156280000
5 / 4	38.10	1.500	3.81	0.150	30	1090300000
5 / 6	38.10	1.500	7.62	0.300	30	1090380000
5 / 8	38.10	1.500	11.43	0.450	30	1156340000

SV 7.62HP/../270 & SC 3.81MSF



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

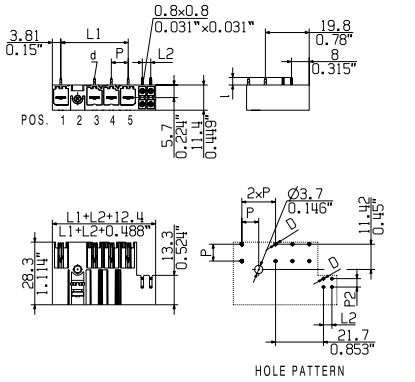
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../270MSF2. SC/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**33**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	33	33	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

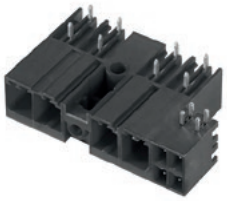
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

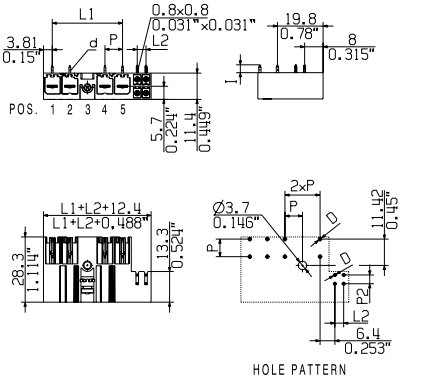
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	1089340000
2 / 6	15.24	0.600	7.62	0.300	48	1089380000
2 / 8	15.24	0.600	11.43	0.450	48	1156130000
3 / 4	22.86	0.900	3.81	0.150	48	1156190000
3 / 6	22.86	0.900	7.62	0.300	42	1156200000
3 / 8	22.86	0.900	11.43	0.450	36	1156210000

SV 7.62HP/../270MSF3. SC/..R



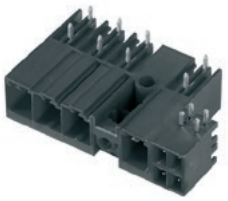
Dimensioned drawing



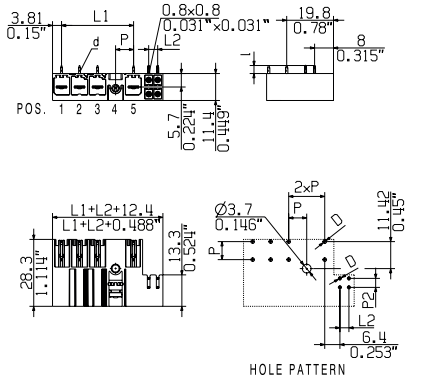
Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	1089610000
3 / 6	22.86	0.900	7.62	0.300	42	1089670000
3 / 8	22.86	0.900	11.43	0.450	36	1156220000
5 / 4	38.10	1.500	3.81	0.150	30	1156370000
5 / 6	38.10	1.500	7.62	0.300	30	1156390000
5 / 8	38.10	1.500	11.43	0.450	30	1156410000

SV 7.62HP/../270MSF4. SC/..R



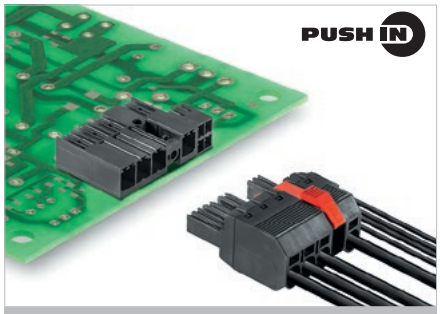
Dimensioned drawing



Ordering data

Solder pin length						3.5 mm
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	36	1090060000
4 / 6	30.48	1.200	7.62	0.300	36	1090140000
4 / 8	30.48	1.200	11.43	0.450	30	1156290000
5 / 4	38.10	1.500	3.81	0.150	30	1090540000
5 / 6	38.10	1.500	7.62	0.300	30	1090610000
5 / 8	38.10	1.500	11.43	0.450	30	1156430000

BVF 7.62HP/../180 & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

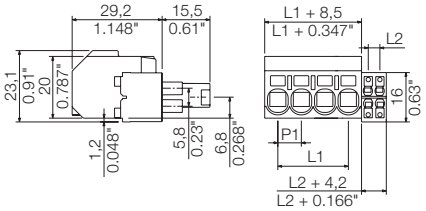
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180 BCF/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	1.5...10		
Ferrule with plastic collar	mm²	1.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

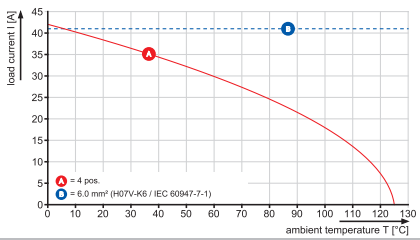
Colour black

Pitch 7.62 mm

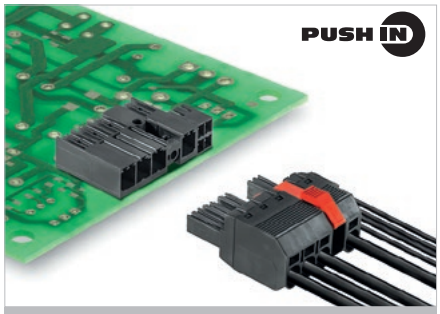
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	65	1080550000
2 / 6	7.62	0.300	7.62	0.300	55	1080320000
2 / 8	7.62	0.300	11.43	0.450	50	1156440000
3 / 4	15.24	0.600	3.81	0.150	50	1080490000
3 / 6	15.24	0.600	7.62	0.300	45	1080570000
3 / 8	15.24	0.600	11.43	0.450	40	1156450000
4 / 4	22.86	0.900	3.81	0.150	40	1080510000
4 / 6	22.86	0.900	7.62	0.300	35	1080440000
4 / 8	22.86	0.900	11.43	0.450	30	1156470000
5 / 8	30.48	1.200	11.43	0.450	25	1156480000

Representative deratings curve

BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVF 7.62HP/../180MF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C.
The mating profile ensures touch-safety of > 3 mm in accordance with
IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

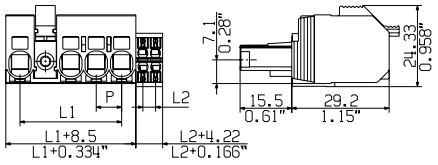
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF2. BCF/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	1.5...10		
Ferrule with plastic collar	mm²	1.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

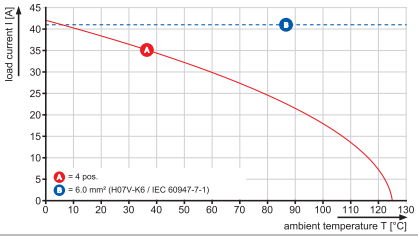
Colour black

Pitch 7.62 mm

Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	50	1081610000
2 / 6	15.24	0.600	7.62	0.300	45	1081030000
2 / 8	15.24	0.600	11.43	0.450	40	1157090000
3 / 4	22.86	0.900	3.81	0.150	40	1157110000
3 / 6	22.86	0.900	7.62	0.300	35	1157120000
3 / 8	22.86	0.900	11.43	0.450	30	1157130000
4 / 4	30.48	1.200	3.81	0.150	30	2628320000
4 / 6	30.48	1.200	7.62	0.300	30	2628340000
4 / 8	30.48	1.200	11.43	0.450	25	2628350000
5 / 4	38.10	1.500	3.81	0.150	30	2628390000
5 / 6	38.10	1.500	7.62	0.300	30	2628400000
5 / 8	38.10	1.500	11.43	0.450	25	2628410000

Representative deratings curve

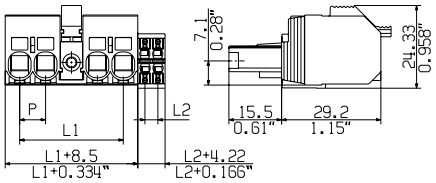
BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVF 7.62HP/../180MF3. BCF/..R



Dimensioned drawing



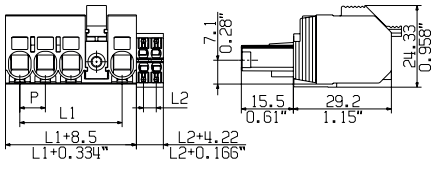
Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	40	1081630000
3 / 6	22.86	0.900	7.62	0.300	35	1081720000
3 / 8	22.86	0.900	11.43	0.450	30	1157170000
4 / 4	30.48	1.200	3.81	0.150	36	2628450000
4 / 6	30.48	1.200	7.62	0.300	30	2628460000
4 / 8	30.48	1.200	11.43	0.450	25	2628470000
5 / 4	38.10	1.500	3.81	0.150	25	1157220000
5 / 6	38.10	1.500	7.62	0.300	25	1157230000
5 / 8	38.10	1.500	11.43	0.450	25	1157240000

BVF 7.62HP/../180MF4. BCF/..R



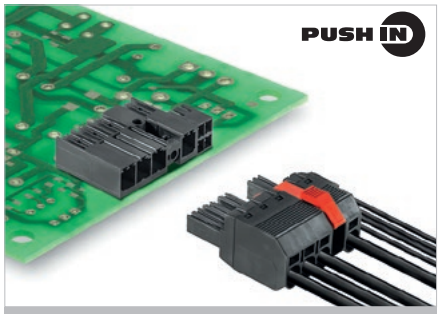
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	30	1081150000
4 / 6	30.48	1.200	7.62	0.300	30	1082020000
4 / 8	30.48	1.200	11.43	0.450	25	1157200000
5 / 4	38.10	1.500	3.81	0.150	25	1082140000
5 / 6	38.10	1.500	7.62	0.300	25	1081760000
5 / 8	38.10	1.500	11.43	0.450	25	1157250000

BVF 7.62HP/../180MSF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C.
The mating profile ensures touch-safety of > 3 mm in accordance with
IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

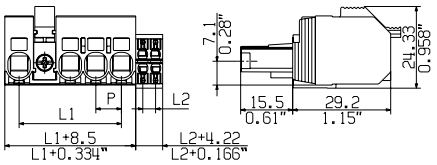
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF2. BCF/..R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	1.5...10		
Ferrule with plastic collar	mm²	1.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

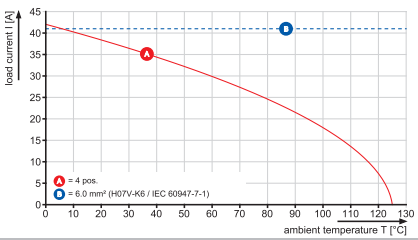
Colour **black**

Pitch 7.62 mm

Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	50	1081930000
2 / 6	15.24	0.600	7.62	0.300	45	1082080000
2 / 8	15.24	0.600	11.43	0.450	40	1157100000
3 / 4	22.86	0.900	3.81	0.150	40	1157440000
3 / 6	22.86	0.900	7.62	0.300	35	1157450000
3 / 8	22.86	0.900	11.43	0.450	30	1157470000
4 / 4	30.48	1.200	3.81	0.150	36	2628510000
4 / 6	30.48	1.200	7.62	0.300	36	2628520000
4 / 8	30.48	1.200	11.43	0.450	25	2628530000
5 / 4	38.10	1.500	3.81	0.150	30	2628570000
5 / 6	38.10	1.500	7.62	0.300	30	2628580000
5 / 8	38.10	1.500	11.43	0.450	25	2628590000

Representative deratings curve

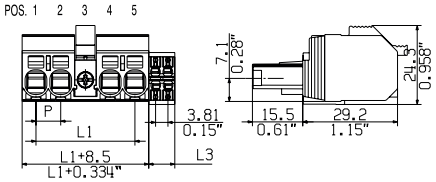
BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVF 7.62HP/../180MSF3. BCF/..R



Dimensioned drawing



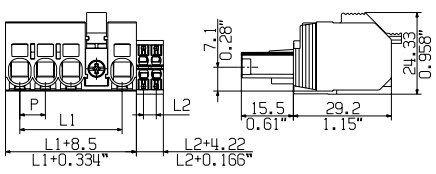
Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	40	1082110000
3 / 6	22.86	0.900	7.62	0.300	35	1081730000
3 / 8	22.86	0.900	11.43	0.450	30	1157190000
4 / 4	30.48	1.200	3.81	0.150	36	2628630000
4 / 6	30.48	1.200	7.62	0.300	30	2628640000
4 / 8	30.48	1.200	11.43	0.450	25	2628650000
5 / 4	38.10	1.500	3.81	0.150	25	1157270000
5 / 6	38.10	1.500	7.62	0.300	25	1157280000
5 / 8	38.10	1.500	11.43	0.450	25	1157290000

BVF 7.62HP/../180MSF4. BCF/..R



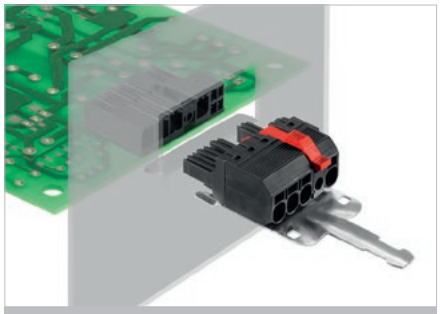
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	30	1081660000
4 / 6	30.48	1.200	7.62	0.300	30	1081750000
4 / 8	30.48	1.200	11.43	0.450	25	1157210000
5 / 4	38.10	1.500	3.81	0.150	25	1080940000
5 / 6	38.10	1.500	7.62	0.300	25	1080720000
5 / 8	38.10	1.500	11.43	0.450	25	1157300000

BVF 7.62HP/../180 BCF 3.81 SH



Hybrid female connector with power and signal contacts with PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1.
The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 10 mm²
UL: / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

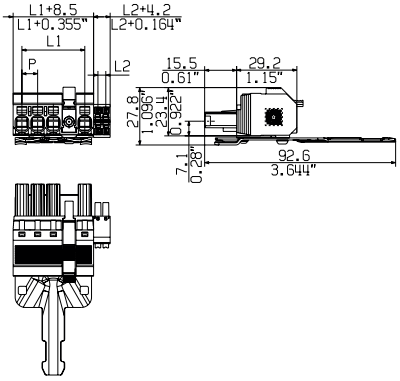
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF BCF SH180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	1.5...10		
Ferrule with plastic collar	mm²	1.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	AWG	-		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

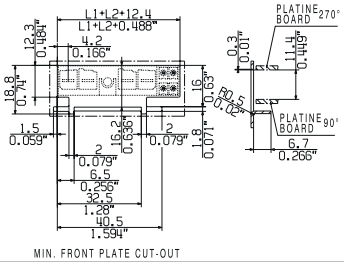
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Pressing tool		
	PZ 6/5	9011460000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
Marking tags		
	SCT 4.6/127 C	1699800000
	WSM TOOL AUTOMATIK	1774470000

Ordering data

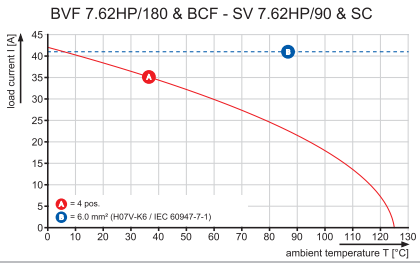
Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	20	**2681760000**

Representative dimensional drawing



MIN. FRONT PLATE CUT-OUT

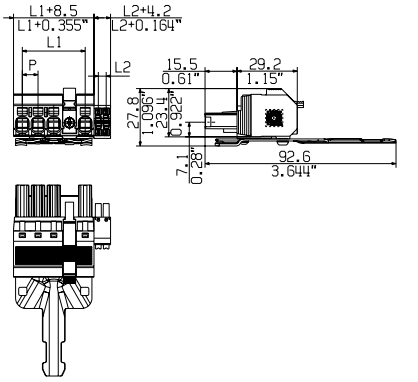
Representative deratings curve



BVF 7.62HP/../180MSF BCF SH180



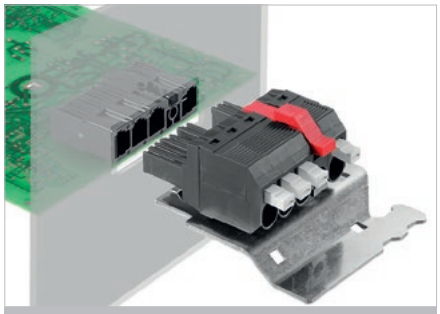
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	20	**2681780000**

BVF 7.62HP/../180 BCF 3.81 SP



Hybrid female connector with power and signal contacts with PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the PCB and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 10 mm²
UL: / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

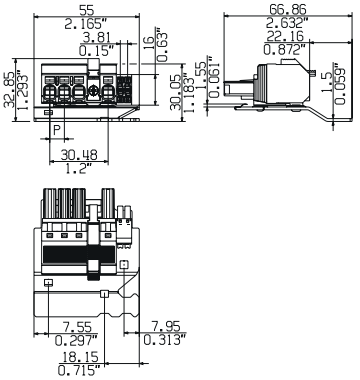
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF BCF SP90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	1.5...10		
Ferrule with plastic collar	mm²	1.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

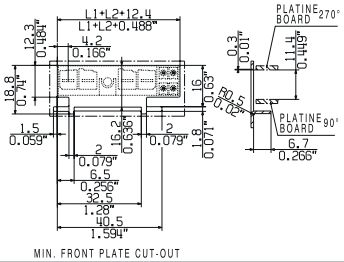
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Pressing tool		
	PZ 6/5	9011460000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
Marking tags		
	SCT 4.6/127 C	1699800000
	WSM TOOL AUTOMATIK	1774470000

Ordering data

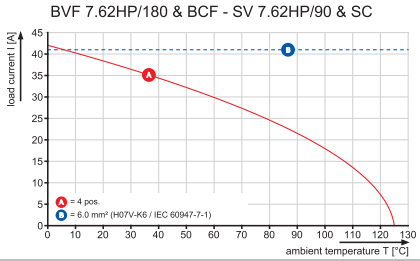
Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	24	**2614040000**

Representative dimensional drawing



MIN. FRONT PLATE CUT-OUT

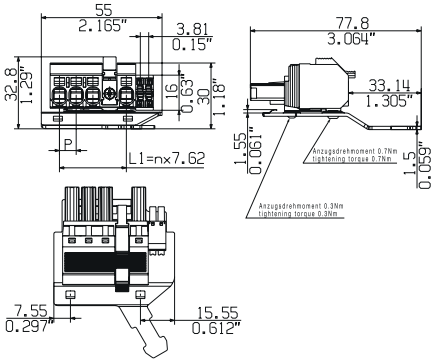
Representative deratings curve



BVF 7.62HP/../180MSF BCF SP150



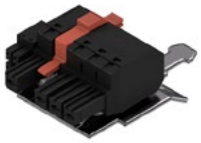
Dimensioned drawing



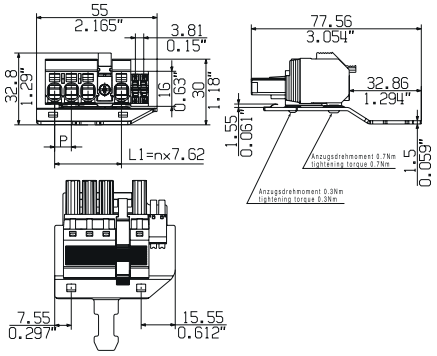
Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	24	**2669590000**

BVF 7.62HP/../180MSF BCF SP180



Dimensioned drawing



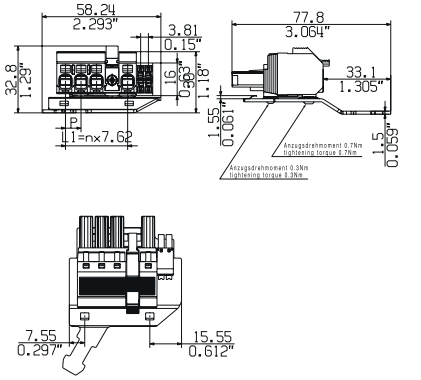
Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	14	**2633380000**

BVF 7.62HP/../180MSF BCF SP210



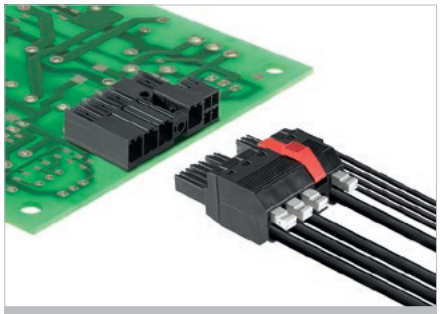
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	14	**2669610000**

BVFL 7.62HP/../180 BCF 3.81



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

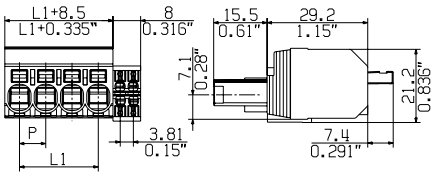
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

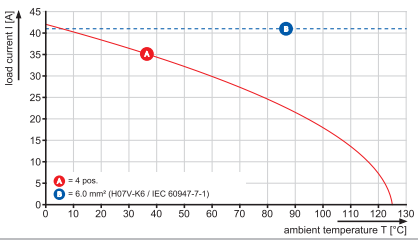
Colour black

Pitch 7.62 mm

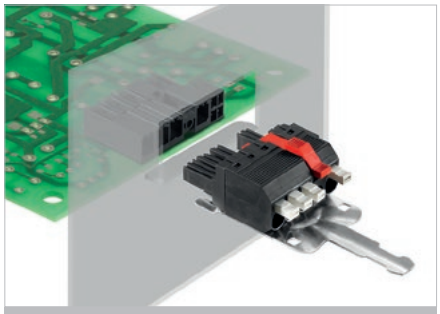
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	7.62	0.300	3.81	0.150	78	2549310000
3 / 4	15.24	0.600	3.81	0.150	60	2549400000
3 / 6	15.24	0.600	7.62	0.300	54	2549410000
3 / 8	15.24	0.600	11.43	0.450	48	2549420000
4 / 4	22.86	0.900	3.81	0.150	48	1547560000
4 / 6	22.86	0.900	7.62	0.300	42	2549430000
4 / 8	22.86	0.900	11.43	0.450	42	2549440000
5 / 4	30.48	1.200	3.81	0.150	42	2549450000

Representative deratings curve

BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVFL 7.62HP/../180 BCF 3.81 SH



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 0.5 - 6 mm²
UL: / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

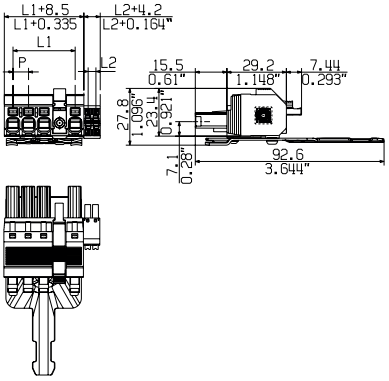
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MF SH



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar				
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**			**34**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	AWG	-		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

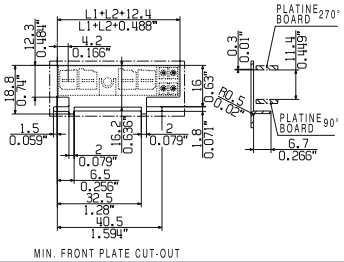
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Pressing tool		
	PZ 6/5	9011460000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
Marking tags		
	SCT 4.6/127 C	1699800000
	WSM TOOL AUTOMATIK	1774470000

Ordering data

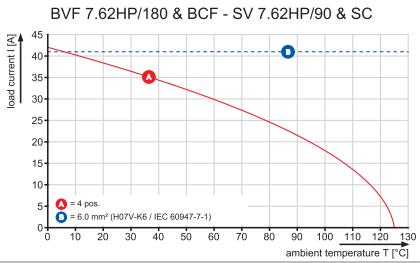
Solder pin length						
Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	20	2427960000

Representative dimensional drawing

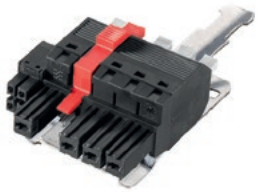


MIN. FRONT PLATE CUT-OUT

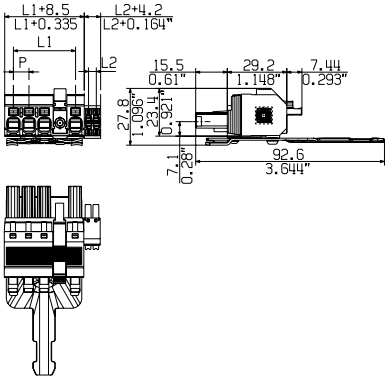
Representative deratings curve



BVFL 7.62HP/../180 BCF 3.81 MSF SH



Dimensioned drawing

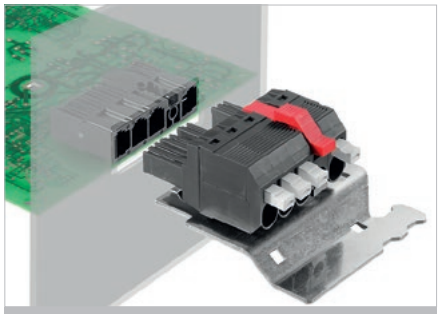


Ordering data

Solder pin length

Colour						black
Pitch	**7.62 mm**					
Poles	L1	(inch)	L2	(inch)	**Qty.**	**Order No.**
4 / 4	30.48	1.200	3.81	0.150	20	**2681770000**

BVFL 7.62HP/../180 BCF 3.81 SP



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 6 mm²
UL: / AWG 24 - 8

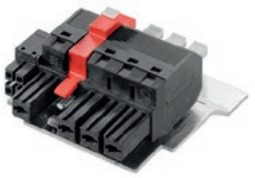
72h

For additional articles and information, refer to eshop.weidmueller.com

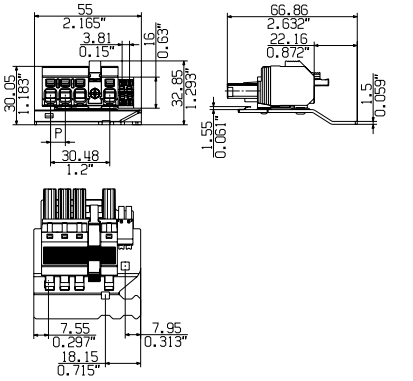
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180MSF4 BCF SP 90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**800**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	AWG	-		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

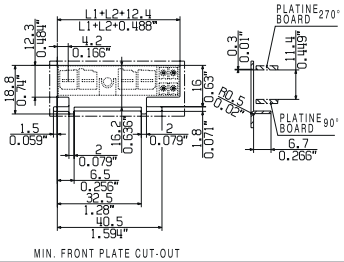
Solder pin length

Colour **black**

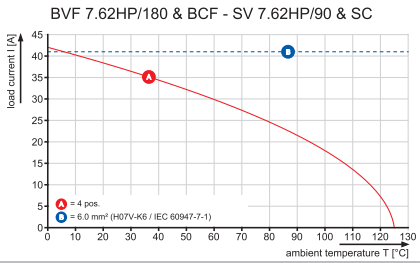
Pitch 7.62 mm

Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	24	**2633400000**

Representative dimensional drawing



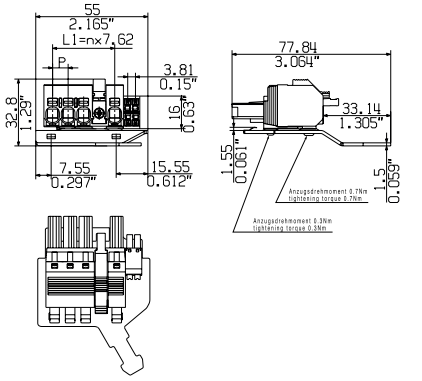
Representative deratings curve



BVFL 7.62HP/../180MSF4 BCF SP 150



Dimensioned drawing



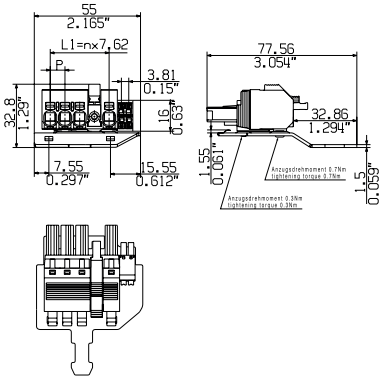
Ordering data

Solder pin length						
Colour						black
Pitch	7.62 mm					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	24	2669600000

BVFL 7.62HP/../180MSF4 BCF SP 180



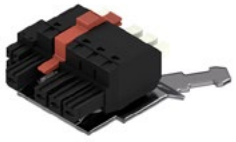
Dimensioned drawing



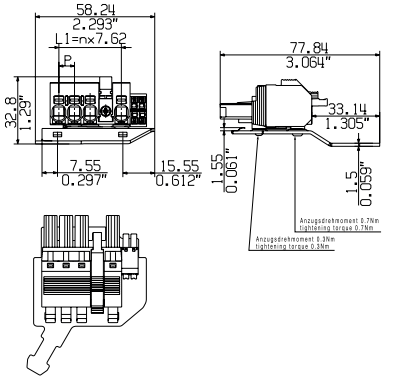
Ordering data

Solder pin length						
Colour						black
Pitch	7.62 mm					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	24	2633390000

BVFL 7.62HP/../180MSF4 BCF SP 210



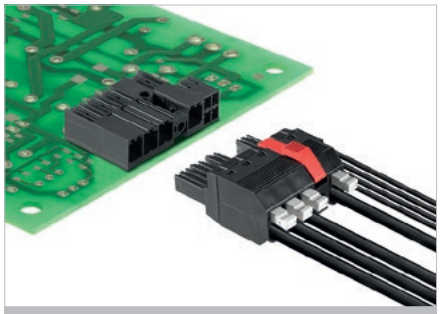
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch	7.62 mm					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	14	2669620000

BVFL 7.62HP/../180 BCF 3.81 MF



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

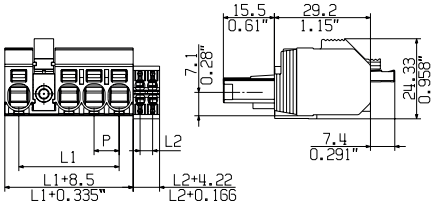
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Pressing tool		
	PZ 6/5	9011460000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDS 0.8X4.5X125	

Ordering data

Solder pin length

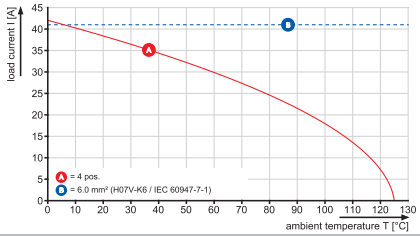
Colour black

Pitch 7.62 mm

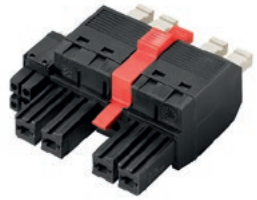
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2549320000
2 / 6	15.24	0.600	7.62	0.300	54	2628330000
2 / 8	15.24	0.600	11.43	0.450	48	2628690000
3 / 4	22.86	0.900	3.81	0.150	48	2628720000
3 / 6	22.86	0.900	7.62	0.300	42	2628730000
3 / 8	22.86	0.900	11.43	0.450	42	2628740000
4 / 4	30.48	1.200	3.81	0.150	42	2628780000
4 / 6	30.48	1.200	7.62	0.300	36	2628790000
4 / 8	30.48	1.200	11.43	0.450	36	2628800000
5 / 4	38.10	1.500	3.81	0.150	36	2628840000
5 / 6	38.10	1.500	7.62	0.300	30	2628850000
5 / 8	38.10	1.500	11.43	0.450	30	2628860000

Representative deratings curve

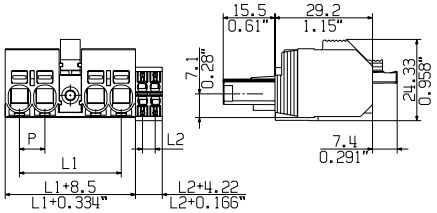
BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVFL 7.62HP/../180 BCF 3.81 MF3



Dimensioned drawing



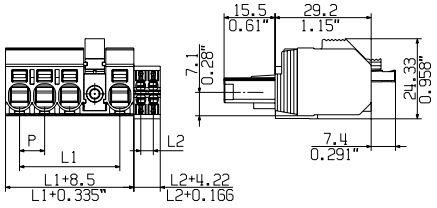
Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	2549460000
3 / 6	22.86	0.900	7.62	0.300	42	2549470000
3 / 8	22.86	0.900	11.43	0.450	42	2549480000
4 / 4	30.48	1.200	3.81	0.150	42	2628900000
4 / 6	30.48	1.200	7.62	0.300	36	2628910000
4 / 8	30.48	1.200	11.43	0.450	36	2628920000
5 / 4	38.10	1.500	3.81	0.150	36	2628960000
5 / 6	38.10	1.500	7.62	0.300	30	2628970000
5 / 8	38.10	1.500	11.43	0.450	30	2628980000

BVFL 7.62HP/../180 BCF 3.81 MF4



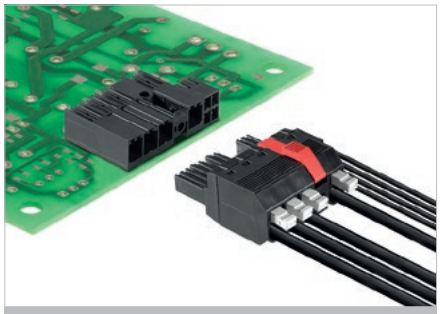
Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	32	1547590000
4 / 6	30.48	1.200	7.62	0.300	36	2549490000
4 / 8	30.48	1.200	11.43	0.450	36	2549500000
5 / 4	38.10	1.500	3.81	0.150	36	2549510000
5 / 6	38.10	1.500	7.62	0.300	30	2549520000
5 / 8	38.10	1.500	11.43	0.450	30	2549530000

BVFL 7.62HP/../180 BCF 3.81 MSF



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

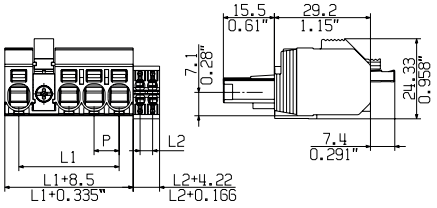
Note:

- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MSF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**38**		**34**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Shielding		
	BVF 7.62HP SH150 4-6 KIT	1118480000
	BVF 7.62HP SH180 4-6 KIT	1118470000
	BVF 7.62HP SH210 4-6 KIT	1118490000
Pressing tool		
	PZ 6/5	9011460000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDS 0.8X4.5X125	

Ordering data

Solder pin length

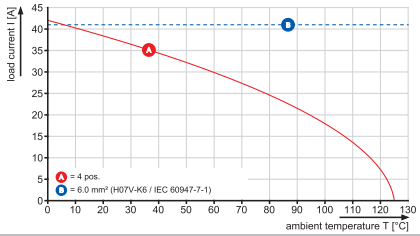
Colour **black**

Pitch 7.62 mm

Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
2 / 4	15.24	0.600	3.81	0.150	60	2549330000
2 / 6	15.24	0.600	7.62	0.300	54	2629020000
2 / 8	15.24	0.600	11.43	0.450	48	2629030000
3 / 4	22.86	0.900	3.81	0.150	48	2629060000
3 / 6	22.86	0.900	7.62	0.300	42	2629070000
3 / 8	22.86	0.900	11.43	0.450	42	2629080000
4 / 4	30.48	1.200	3.81	0.150	42	2629120000
4 / 6	30.48	1.200	7.62	0.300	36	2629130000
4 / 8	30.48	1.200	11.43	0.450	36	2629140000
5 / 4	38.10	1.500	3.81	0.150	36	2629180000
5 / 6	38.10	1.500	7.62	0.300	30	2629190000
5 / 8	38.10	1.500	11.43	0.450	30	2629200000

Representative deratings curve

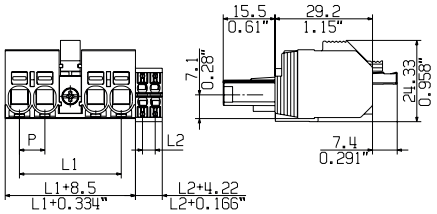
BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC



BVFL 7.62HP/../180 BCF 3.81 MSF3



Dimensioned drawing



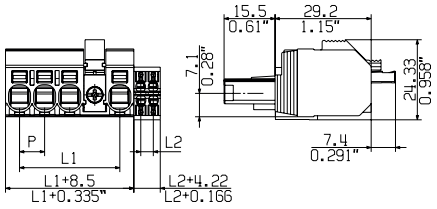
Ordering data

Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
3 / 4	22.86	0.900	3.81	0.150	48	2549540000
3 / 6	22.86	0.900	7.62	0.300	42	2549550000
3 / 8	22.86	0.900	11.43	0.450	42	2549560000
4 / 4	30.48	1.200	3.81	0.150	42	2629240000
4 / 6	30.48	1.200	7.62	0.300	36	2629250000
4 / 8	30.48	1.200	11.43	0.450	36	2629260000
5 / 4	38.10	1.500	3.81	0.150	36	2629300000
5 / 6	38.10	1.500	7.62	0.300	30	2629310000
5 / 8	38.10	1.500	11.43	0.450	30	2629320000

BVFL 7.62HP/../180 BCF 3.81 MSF4



Dimensioned drawing



Ordering data

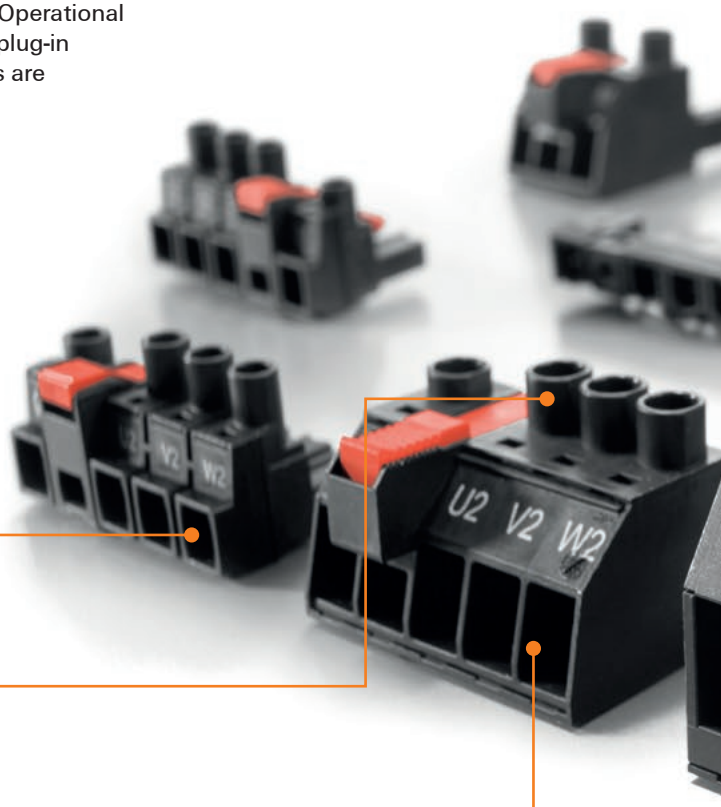
Solder pin length						
Colour						black
Pitch 7.62 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
4 / 4	30.48	1.200	3.81	0.150	42	1547600000
4 / 6	30.48	1.200	7.62	0.300	36	2549570000
4 / 8	30.48	1.200	11.43	0.450	36	2549580000
5 / 4	38.10	1.500	3.81	0.150	36	2549590000
5 / 6	38.10	1.500	7.62	0.300	30	2549600000
5 / 8	38.10	1.500	11.43	0.450	30	2549610000

OMNIMATE® Power for IT systems - scalable from 25 A to 76 A

Custom-fit solutions for special requirements

Increased compliance with standards and fewer compromises: OMNIMATE® Power for IT systems establishes a new level of excellence with its standard integrated details. These attributes streamline the design-in and approval processes and result in safer operations.

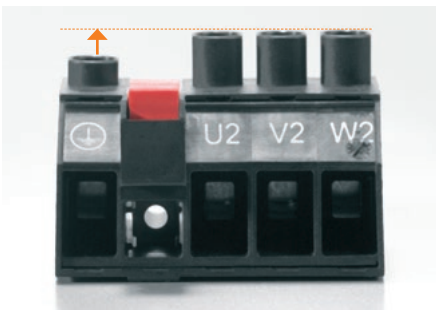
Results for the application and advantages for the user: unlimited use in 400-V IT systems and touch safety according to IEC 61800-5-1 (+ 5 mm). The self-snapping one-handed safety flange enables intuitive and safe usage. Operational reliability is guaranteed by the automatic interlock feature during the plug-in process. The application-oriented design means that no compromises are necessary during the approval process.



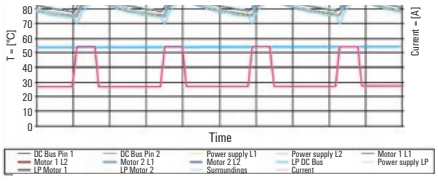
Uncompromised scalability
As much power as required, as little cost as needed: a device series for every power level and power type: scalable from 25 A/2.5 mm² to 41 A/6 mm² to 76 A/16 mm².

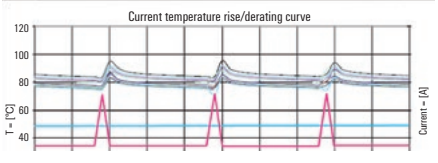


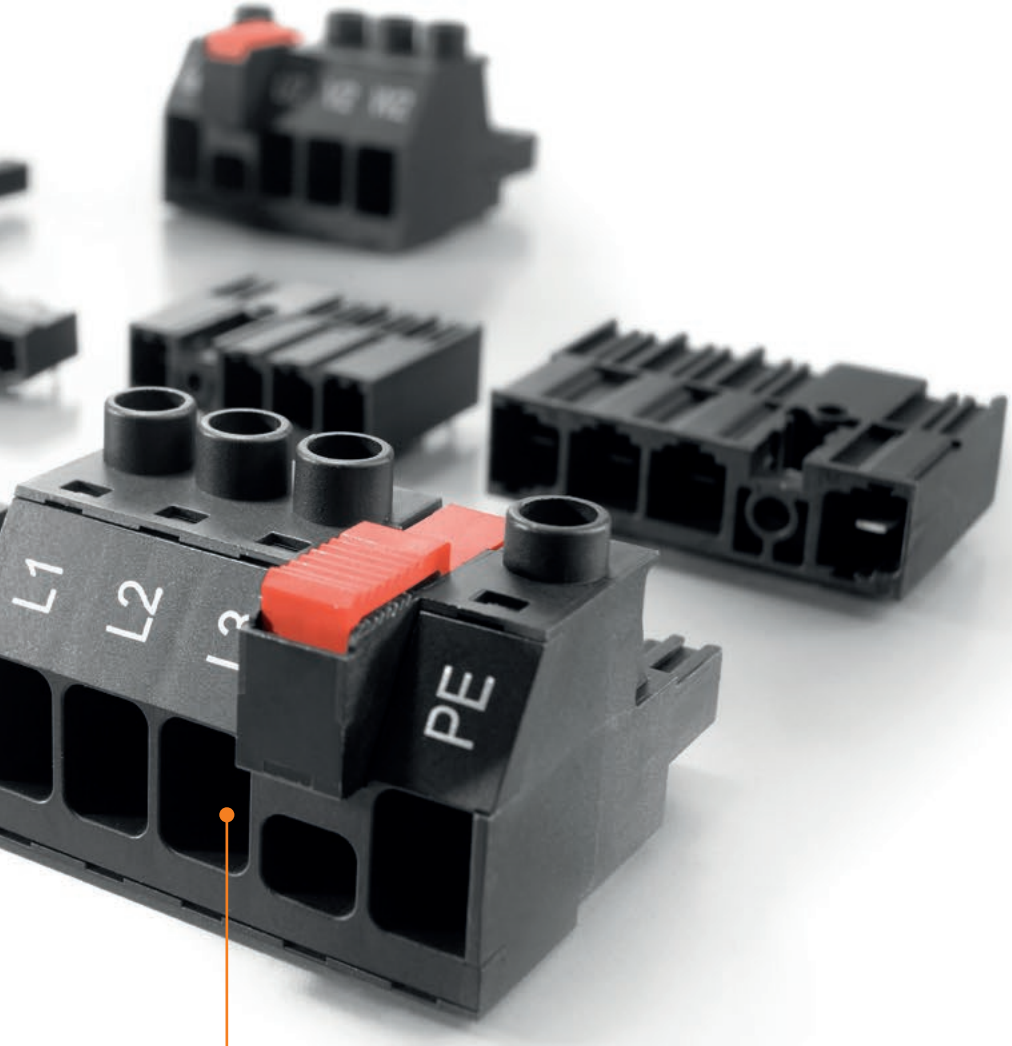
IEC 61800-5-1 approval
No additional measures or compromises in the system suitable, touch-safe certification according to IEC 61800-5-1:
+ 3.0 mm for 400 V TN systems,
+ 5.5 mm for 400 V IT networks.



Uncompromised power capabilities
Uncompromised means high power reserves for superior overload capacity even under the high ambient temperatures of real-world applications.



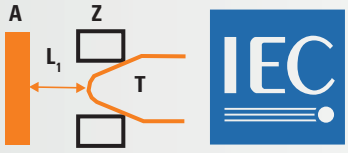




UL approval without compromise
No limitation for UL approval with 600-V applications: with optimised creepage and clearance distance even under difficult installation situations.

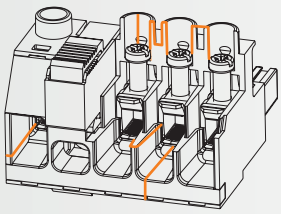
600 V
c UL us

Finger safety according to DIN EN 61800-5-1
Since the end of 2007, device approval according to IEC Directive "Adjustable speed electrical power drive systems – Part 5-1: Safety requirements" requires that – regardless of the line-to-earth voltage – an additional finger safety interval exists (for example, + 3 mm for 400 V-TN systems (wire-to-earth voltage = 230 V), or + 5.5 mm for 400-V IT systems (wire-to-earth voltage up to 400 V in event of error). An additional cover is required if the connection system, as a device section, does not fulfil these requirements. The OMNIMATE® Power HP product line already complies with the stricter IEC requirements for additional touch protection.



IEC 61800-5-1:2007

Clearance and creepage distances, acc. to UL
A 600-V connector must have the approval of the UL 1059 component directive – but the potential installation situations must first be taken into consideration. This allows you to avoid making approval compromises – such as UL 508C or incorporating complex additions such as coatings or protective hoods. The OMNIMATE® Power HP product line already complies with the UL requirements for 600-V creepage and clearance distances.



Contact protection and EMC shielding for power electronics

OMNIMATE® Power connectors with a pluggable shielding plate

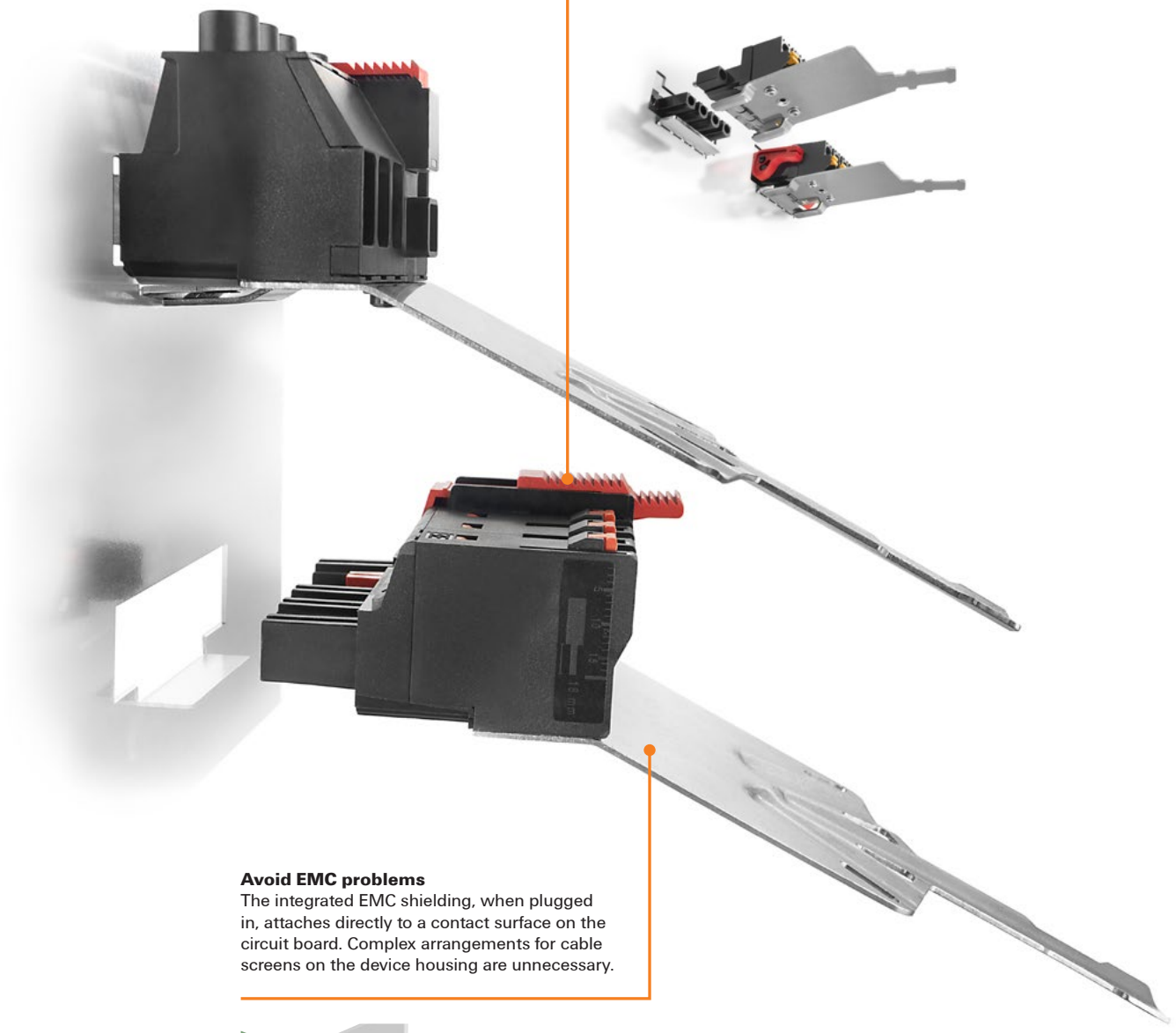
For power electronics devices, and in particular for drive technology, the device outputs generally need touch protection. Thereby, the contacting of the EMC shield support must be ensured, e.g. on servo drives or frequency inverters. For devices with a plastic housing in the front area, the shield support is considerably more difficult to contact.

Our new OMNIMATE® power connectors and pin headers feature a pluggable shield support with special EMC spring contact strip. This enables the large-area, permanent and vibration-proof shield connection to the device housing. Thanks to finger safety on both sides of the male and female connectors, this solution is also suitable for applications with reverse voltage.

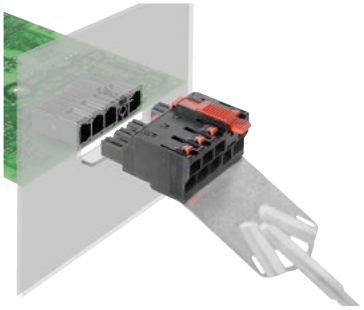
Your special advantages:

- Contact of the EMC shielding to the metal housing of the device directly when plugging in
- Reliable locking with screw flange or central flange locking
- Variable cable shielding outlet directions for easy device integration and adaptation to various housing formats

Easy device integration
Versions with straight or angled cable shield outlet at the connector allow variable integration. The screwable central flange lock ensures a secure and durable attachment to the device.

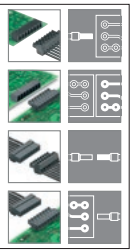


Avoid EMC problems
The integrated EMC shielding, when plugged in, attaches directly to a contact surface on the circuit board. Complex arrangements for cable screens on the device housing are unnecessary.

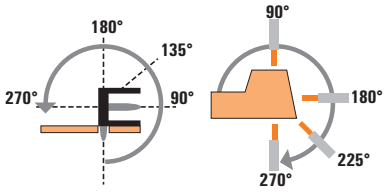


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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



Orientation



Pitch 7.62 mm



For IT networks

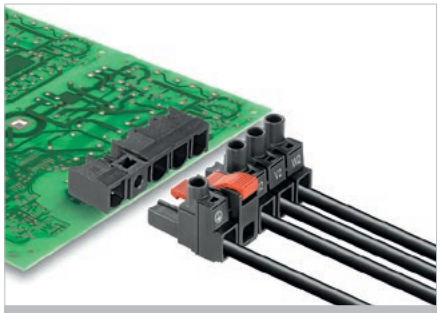
Type	Orientation	Flange options	Product code numbers	SL 90° MF2 IEC: 630 V/24 A UL: 300 V/20 A	SL 90° MF3 IEC: 630 V/24 A UL: 300 V/20 A
Female plug					
Screw Clamping yoke					
 **BLZ**	180°	MF2	IEC: 630 V/24 A/0.08 - 4 mm² UL: 600 V/20 A/AWG 28 - 12	○ ●	
 **BLZ**	180°	MF3	IEC: 630 V/24 A/0.08 - 4 mm² UL: 600 V/20 A/AWG 28 - 12		○ ●
 **BLZ**	180°	MF4	IEC: 630 V/24 A/0.08 - 4 mm² UL: 600 V/20 A/AWG 28 - 12		
 **BVZ**	180°	MF2	IEC: 1.000 V/41 A/0.2 - 6 mm² UL: 600 V/40.5 A/AWG 24 - 8		
 **BVZ**	180°	MF3	IEC: 1.000 V/41 A/0.2 - 6 mm² UL: 600 V/40.5 A/AWG 24 - 8		
 **BVZ**	180°	MF4	IEC: 1.000 V/41 A/0.2 - 6 mm² UL: 600 V/40.5 A/AWG 24 - 8		
 **BUZ**	180°	MF2	IEC: 1.000 V/76 A/0.2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		
 **BUZ**	180°	MF3	IEC: 1.000 V/76 A/0.2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		
 **BUZ**	180°	MF4	IEC: 1.000 V/76 A/0.2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		
 **BUZ SH**	180°	MF2	IEC: 1.000 V/76 A/0,2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		
 **BUZ SH**	180°	MF3	IEC: 1.000 V/76 A/0,2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		
 **BUZ SH**	180°	MF4	IEC: 1.000 V/76 A/0,2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4		

MF2 = Centre snap flange at position 2
MF3 = Centre snap flange at position 3
MF4 = Centre snap flange at position 4

Male header						
Solder connection						
Pitch 7.62 mm				Pitch 10.16 mm		
						
SL	**SV**	**SV**	**SV**	**SU**	**SU**	**SU**
90°	90° / 270°	90° / 270°	90° / 270°	90° / 270°	90° / 270°	90° / 270°
MF4	MF2	MF3	MF4	MF2	MF3	MF4
IEC: 630 V/24 A UL: 300 V/20 A	IEC: 1.000 V/41 A UL: 300 V/35 A	IEC: 1.000 V/41 A UL: 300 V/35 A	IEC: 1.000 V/41 A UL: 300 V/35 A	IEC: 1.000 V/76 A UL: 300 V/54 A	IEC: 1.000 V/76 A UL: 300 V/54 A	IEC: 1.000 V/76 A UL: 300 V/54 A
○ ●						
	○ ●					
		○ ●				
			○ ●			
				○ ●		
					○ ●	
						○ ●
				○ ●		
					○ ●	
						○ ●

Connectors for IT power networks, pitch 7.62 mm
BL/SL 7.62 IT series - connection up to 4 mm²

SL 7.62IT/../90MF



Male header available with 90° outlet direction and an optional solder flange attachment for IT power networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In conjuction with the female plug BLZ 7.62 IT, meets the enhanced requirements for 5.5 mm touch-safety for IT power networks in acc. withIEC 61800-5-1 for 400 V relative to earth. When no female plug is present, the mating profile ensures that at least >1 mm of finger safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 630 V / 29 A
UL: 300 V / 20 A

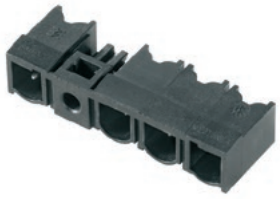
72h

For additional articles and information, refer to eshop.weidmueller.com

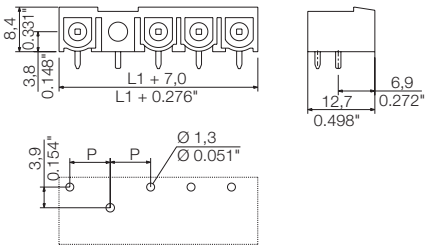
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 7.62IT/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0 x 1.0		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

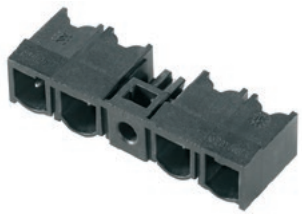
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000

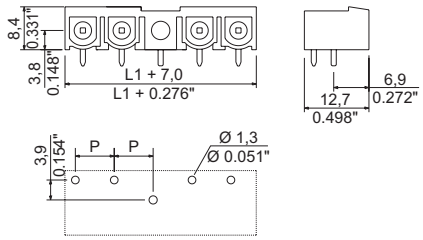
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	84	1173610000
3	22.86	0.900	60	1173640000
4	30.48	1.200	48	1173730000
5	38.10	1.500	36	2629360000
6	45.72	1.800	30	2629480000

SL 7.62IT/../90MF3



Dimensioned drawing



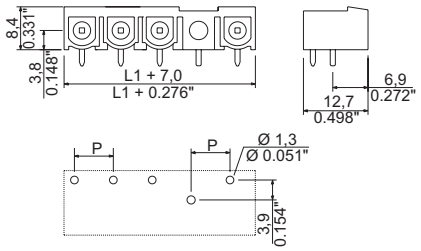
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	**1173690000**
4	30.48	1.200	48	**2629490000**
5	38.10	1.500	36	**1398820000**
6	45.72	1.800	30	**1398840000**

SL 7.62IT/../90MF4



Dimensioned drawing

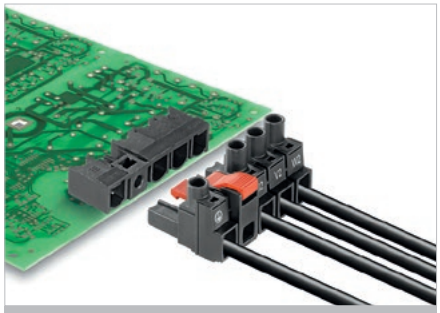


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	**1173770000**
5	38.10	1.500	36	**1398830000**
6	45.72	1.800	30	**2629500000**

Connectors for IT power networks, pitch 7.62 mm
BL/SL 7.62 IT series - connection up to 4 mm²

BLZ 7.62IT/../180MF



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading contact in conjunction with the male header SL 7.62 IT. Meets the enhanced requirements for 5.5 mm touch-safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-snapping middle flange, which is optionally available with an additional fastening screw, decreases the space required by one pitch width compared to other standard solutions.

Optionally available without middle flange interlock
.

Product data

IEC: 630 V / 29 A / 0.08 - 4 mm²
UL: 600 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

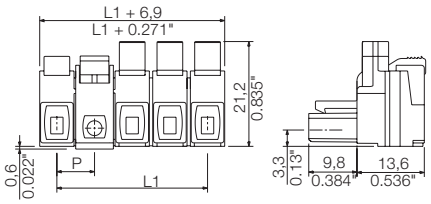
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZ 7.62IT/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...4		
Solid core H05(07) V-U	**mm²**	**0.08...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.08...4		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	20	20	5
AWG conductor	AWG	20-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length

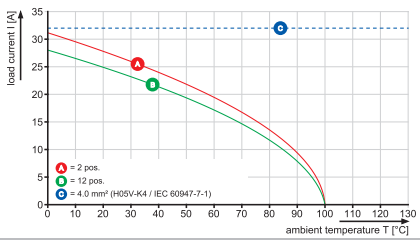
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	70	1173490000
3	22.86	0.900	50	1173500000
4	30.48	1.200	40	1173520000
5	38.10	1.500	50	2629690000
6	45.72	1.800	50	2629740000

Representative deratings curve

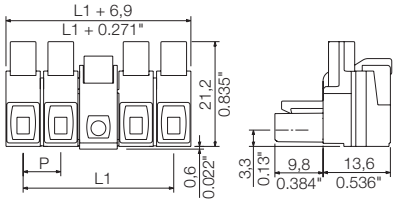
BLZ 7.62HP/../180 - SL 7.62HP/../90



BLZ 7.62IT/../180MF3



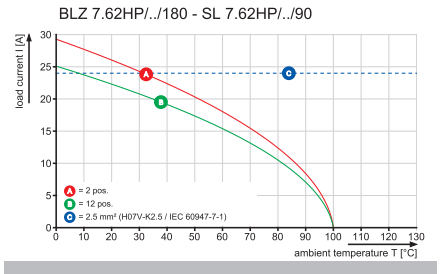
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	50	**1173510000**
4	30.48	1.200	40	**2629750000**
5	38.10	1.500	30	**1398880000**
6	45.72	1.800	25	**1398900000**

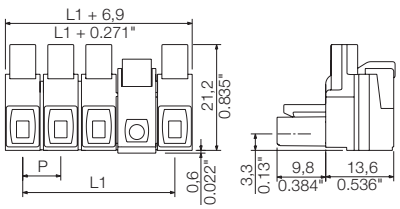
Additional deratings curves



BLZ 7.62IT/../180MF4



Dimensioned drawing

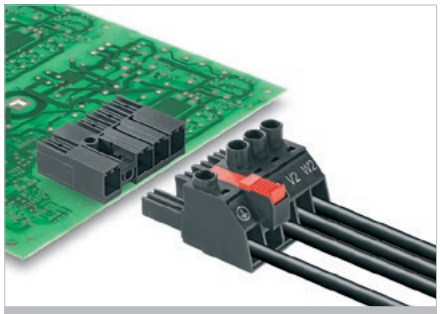


Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	40	**1173530000**
5	38.10	1.500	30	**1398890000**
6	45.72	1.800	25	**1398910000**

Connectors for IT power networks, pitch 7.62 mm
BV/SV 7.62 IT series - connection up to 6 mm²

SV-SMT 7.62IT/../90MF



Male header with 90° outlet direction with optional solder flange attachment and leading PE contact for IT networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62IT meets the enhanced requirements for 5.5 mm of touch safety for IT networks in acc. with IEC61800-5-1 for 400 V relative to earth. If no female plug is present, the mating profile still ensures that at least > 1 mm of finger safety is present with a finger pressure of 20 N.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

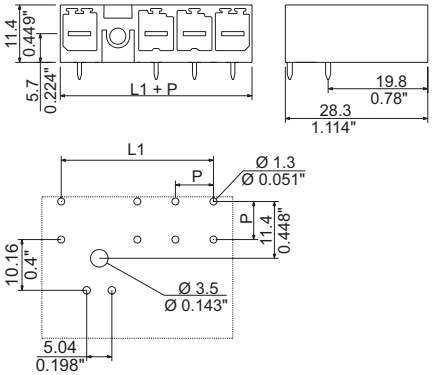
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT 7.62IT/../90MF2 Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**40.5**	**40.5**	**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material		PA 9T		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

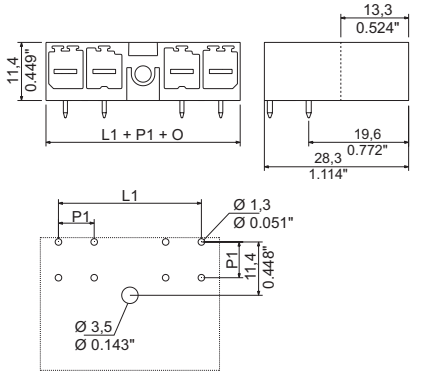
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	50	2499530000
3	22.86	0.900	60	2499720000
4	30.48	1.200	48	2499740000

SV-SMT 7.62IT../90MF3 Box



Dimensioned drawing



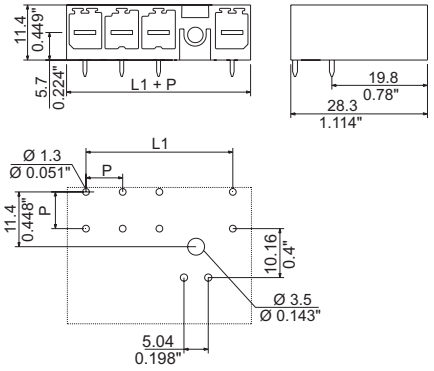
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	2499730000
4	30.48	1.200	48	2499750000

SV-SMT 7.62IT../90MF4 Box



Dimensioned drawing

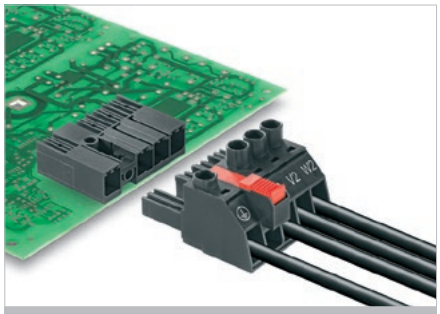


Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	2454110000

Connectors for IT power networks, pitch 7.62 mm
BV/SV 7.62 IT series - connection up to 6 mm²

SV 7.62IT/../90MF



Male header with 90° outlet direction with optional solder flange attachment and leading PE contact for IT power networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62 IT meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

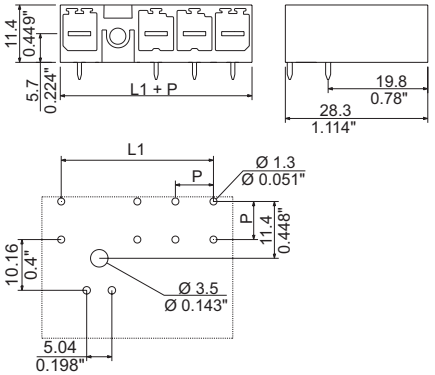
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62IT/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

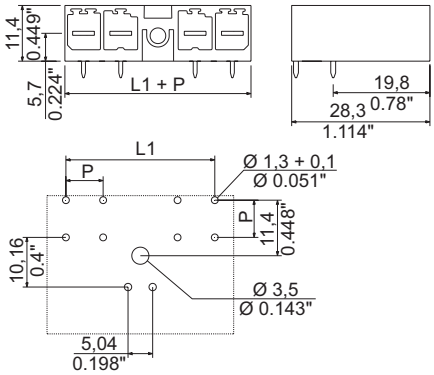
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	78	1156540000
3	22.86	0.900	60	1156550000
4	30.48	1.200	48	1156580000

SV 7.62IT/../90MF3



Dimensioned drawing



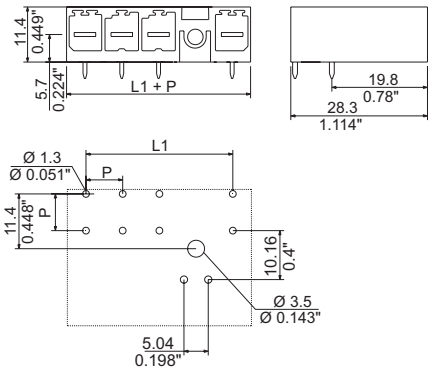
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	1156570000

SV 7.62IT/../90MF4



Dimensioned drawing

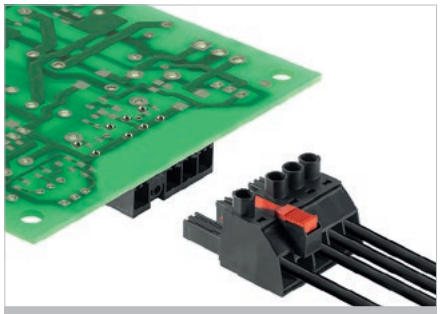


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	1156590000

Connectors for IT power networks, pitch 7.62 mm
BV/SV 7.62 IT series - connection up to 6 mm²

SV 7.62IT/../270MF



Male header with 270° outlet direction with a leading PE contact for IT power networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62 IT meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

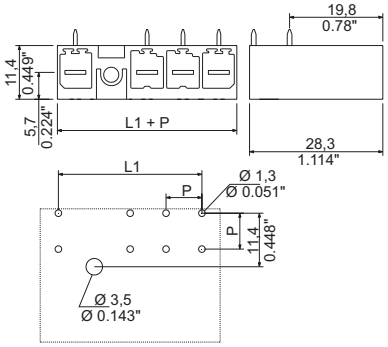
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62IT/../270MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

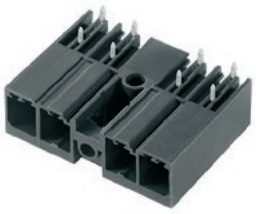
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

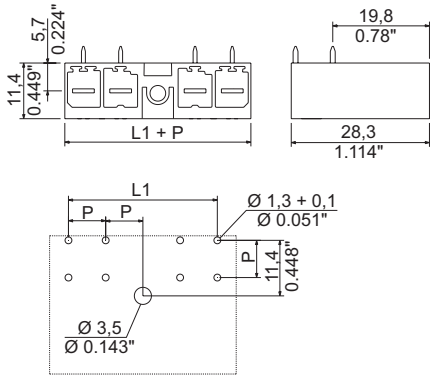
Ordering data

Solder pin length				**3.5 mm**
Colour				**black**
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	78	**1156490000**
3	22.86	0.900	60	**1156500000**
4	30.48	1.200	48	**1156520000**

SV 7.62IT/../270MF3



Dimensioned drawing



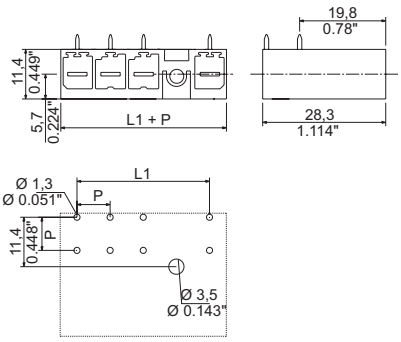
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	1156510000

SV 7.62IT/../270MF4



Dimensioned drawing

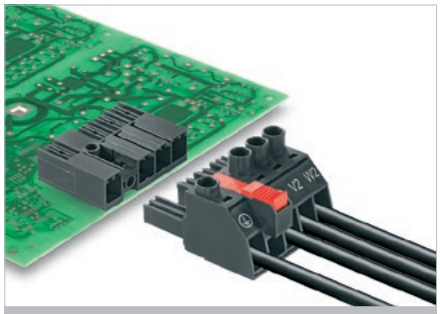


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	1156530000

Connectors for IT power networks, pitch 7.62 mm
BV/SV 7.62 IT series - connection up to 6 mm²

BVZ 7.62IT/../180MF



Female plug for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SV 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

Optionally available without middle flange interlock.

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm²
UL: 600 V / 40.5 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

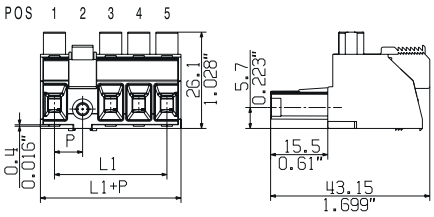
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62IT/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...10		
Solid core H05(07) V-U	**mm²**	**0.2...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.25...6		
Ferrule with plastic collar	mm²	0.25...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range	Nm	0.5...0.6		
Rated current, max.		**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	40.5	40.5	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Strain relief		
	BV/SV 7.62HP/02 ZE GR	1937550000
	BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
	SDK PH1 X 80	2749410000

Ordering data

Solder pin length

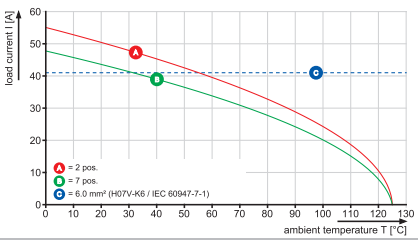
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	52	1156710000
3	22.86	0.900	40	1156720000
4	30.48	1.200	32	1156740000

Representative deratings curve

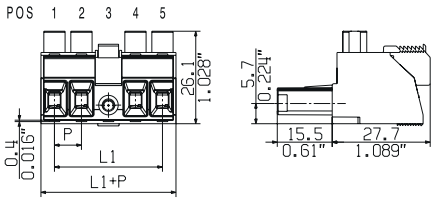
BVZ 7.62HP/../180 - SV 7.62HP/../90



BVZ 7.62IT/../180MF3



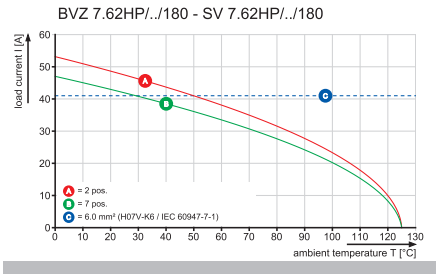
Dimensioned drawing



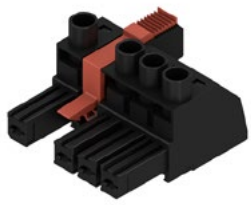
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	40	1156730000
4	30.48	1.200	32	1312730000

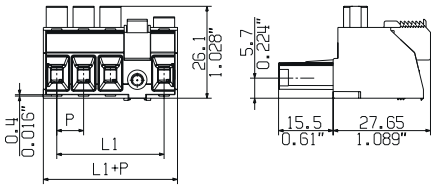
Additional deratings curves



BVZ 7.62IT/../180MF4



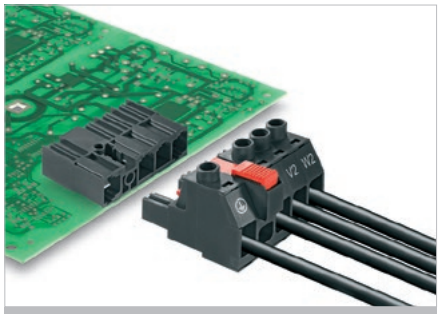
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	32	1156750000

SU 10.16IT/../90MF



Male header with 90° outlet direction and optional solder flange with leading PE contact. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BUZ 10.16 IT meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

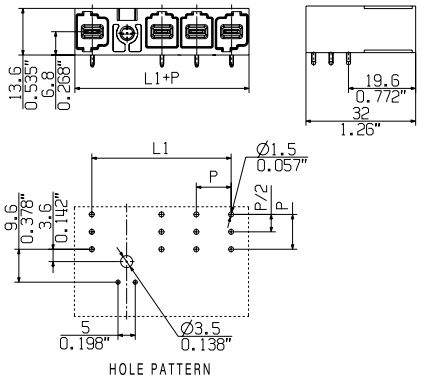
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16IT/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm		1.2 x 1.1	
Solder eyelet Ø = D	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

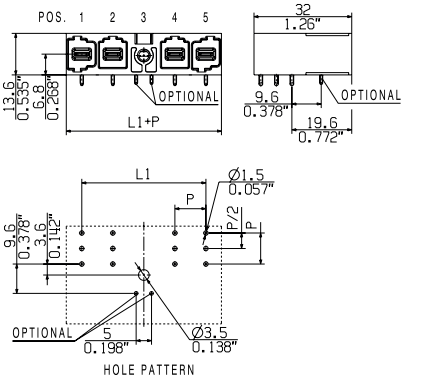
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	20.32	0.800	60	1156650000
3	30.48	1.200	42	1156670000
4	40.64	1.600	36	1156690000

SU 10.16IT/../90MF3



Dimensioned drawing



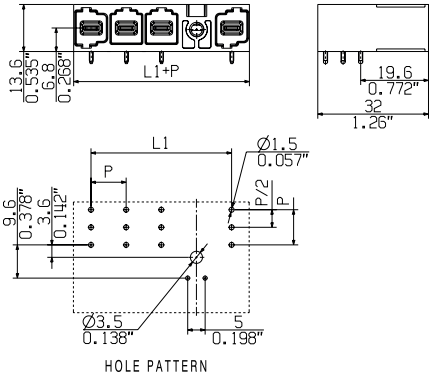
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	42	1156680000

SU 10.16IT/../90MF4



Dimensioned drawing

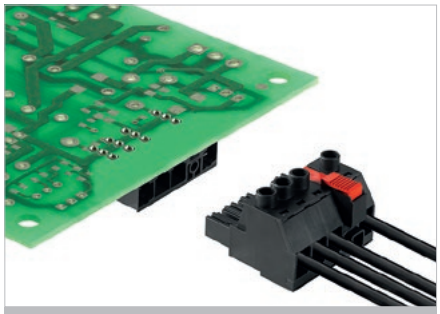


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	36	1156700000

Connectors for IT power networks, pitch 10.16 mm
BU/SU 10.16 IT series - connection up to 16 mm²

SU 10.16IT/../270MF



Male header with 270° outlet direction with leading PE contact. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BUZ 10.16 IT meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

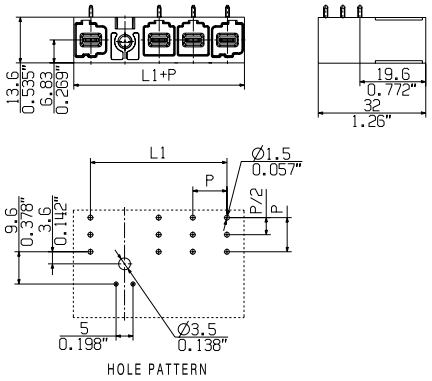
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16IT/../270MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm		1.2 x 1.1	
Solder eyelet Ø = D	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

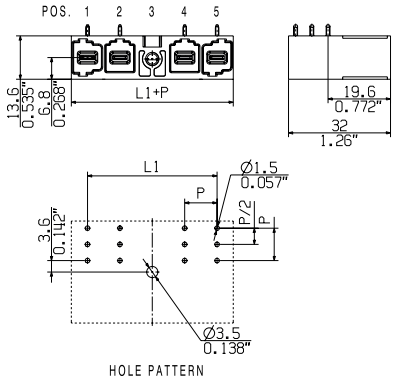
Ordering data

Solder pin length				**3.5 mm**
Colour				**black**
Pitch	**10.16 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	20.32	0.800	60	**1157310000**
3	30.48	1.200	42	**1157320000**
4	40.64	1.600	36	**1157340000**

SU 10.16IT/../270MF3



Dimensioned drawing



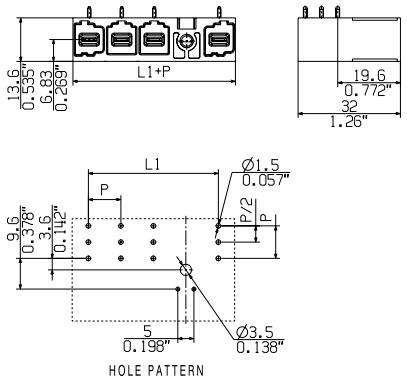
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	42	1157330000
4	20.32	0.800	36	2630190000

SU 10.16IT/../270MF4



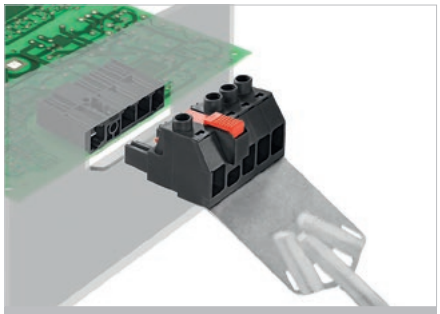
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	36	1157350000

BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

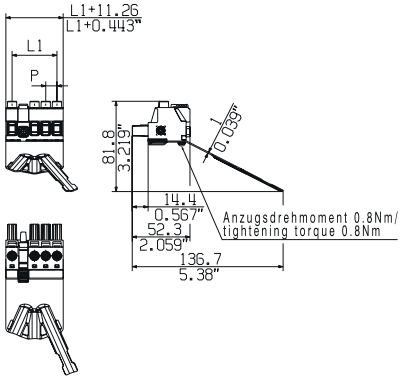
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF2 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

Ordering data

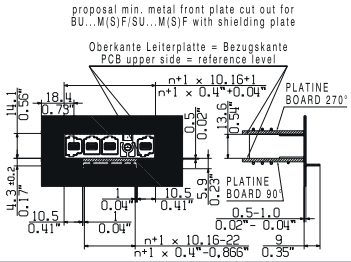
Solder pin length

Colour **black**

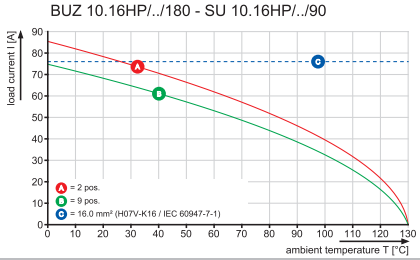
Pitch **10.16 mm**

Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	2627330000
4	40.64	1.600	20	2627340000

Representative dimensional drawing



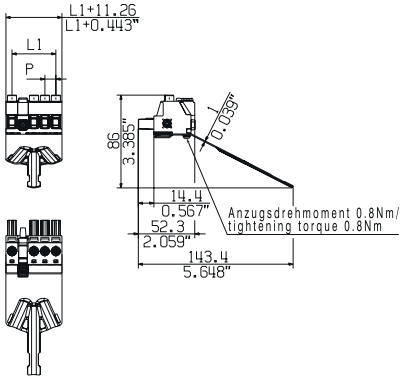
Representative deratings curve



BUZ 10.16IT/../180MF2 SH180



Dimensioned drawing



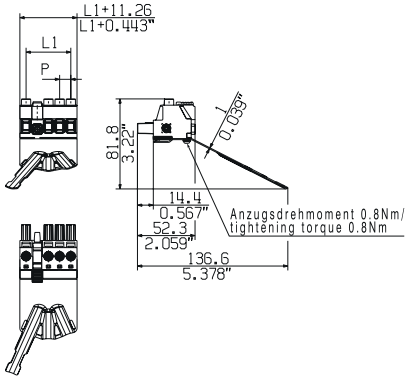
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627380000**
4	40.64	1.600	20	**2627390000**

BUZ 10.16IT/../180MF2 SH200



Dimensioned drawing

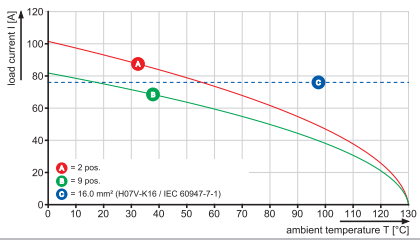


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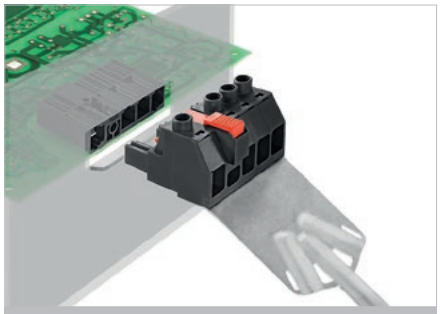
Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627430000**
4	40.64	1.600	20	**2627440000**

Additional deratings curves

BUZ 10.16HP/../180 - SU 10.16HP/../180



BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

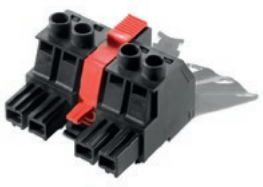
72h

For additional articles and information, refer to eshop.weidmueller.com

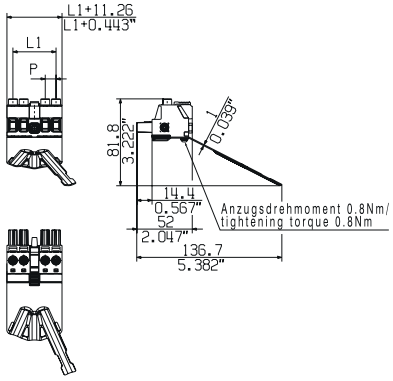
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF3 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

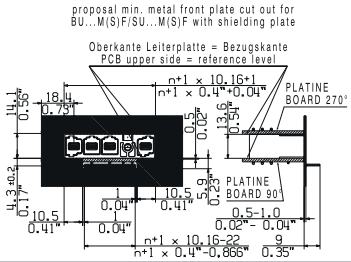
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

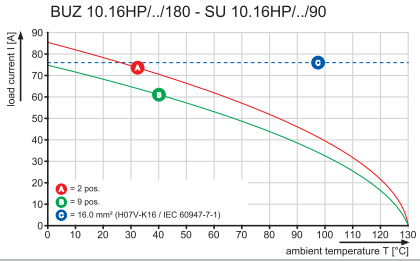
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	2627350000
4	40.64	1.600	20	2627360000

Representative dimensional drawing



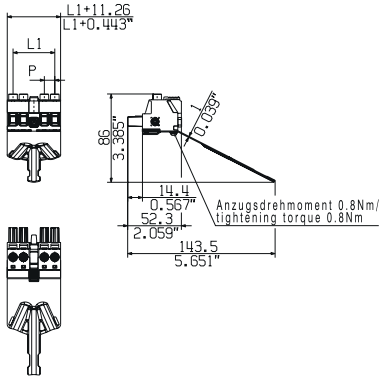
Representative deratings curve



BUZ 10.16IT/../180MF3 SH180



Dimensioned drawing



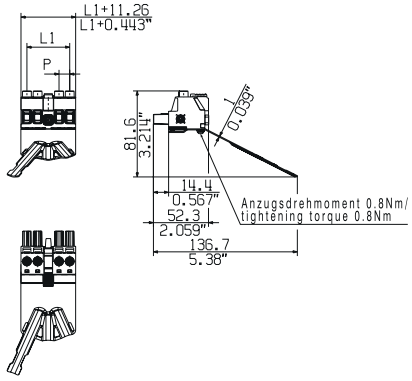
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627400000**
4	40.64	1.600	20	**2627410000**

BUZ 10.16IT/../180MF3 SH200



Dimensioned drawing

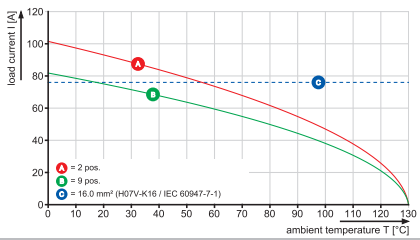


Ordering data

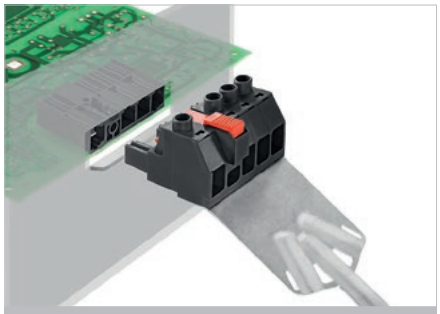
Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627450000**
4	40.64	1.600	20	**2627460000**

Additional deratings curves

BUZ 10.16HP/../180 - SU 10.16HP/../180



BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

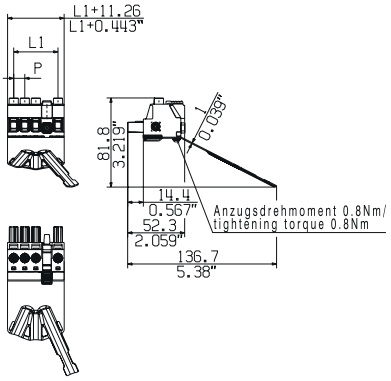
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF4 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

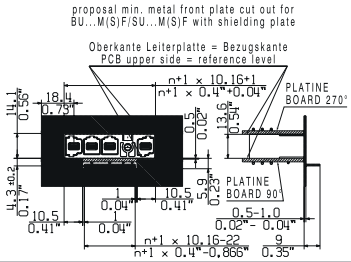
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

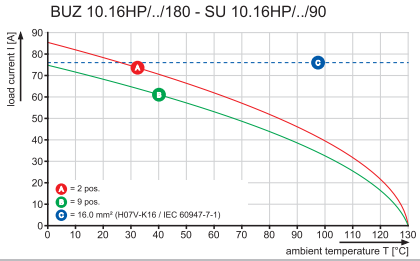
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	40.64	1.600	20	**2627370000**

Representative dimensional drawing



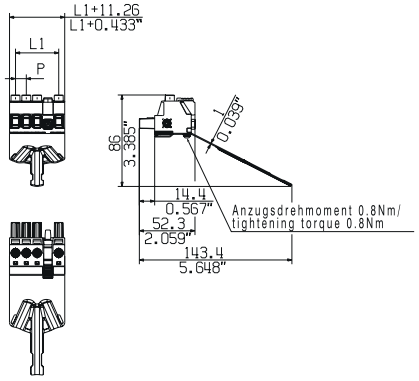
Representative deratings curve



BUZ 10.16IT/../180MF4 SH180



Dimensioned drawing



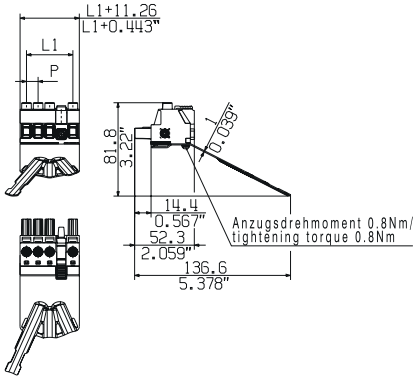
Ordering data

Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	20	2627420000

BUZ 10.16IT/../180MF4 SH200



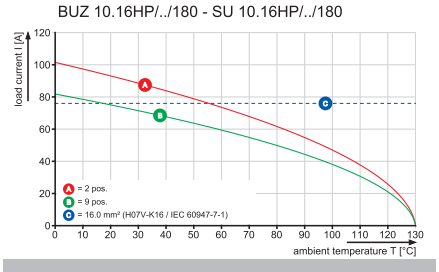
Dimensioned drawing



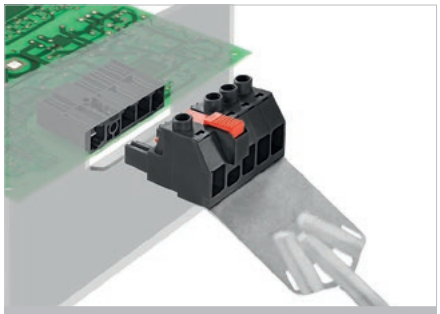
Ordering data

Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	20	2627470000

Additional deratings curves



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

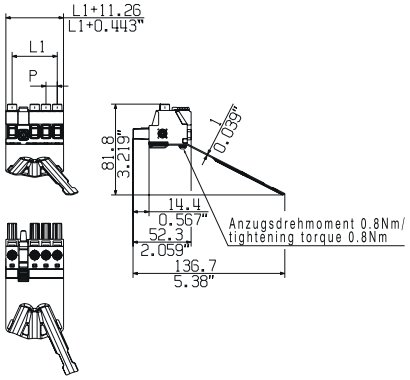
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF2 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**	**22-4**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG	22-4		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

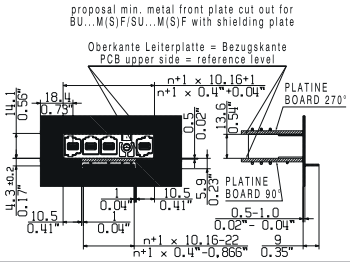
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

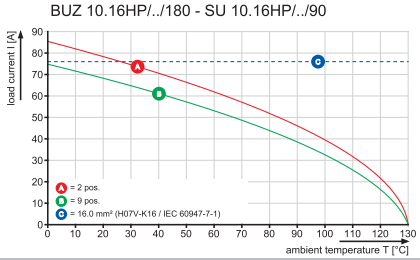
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
3	30.48	1.200	20	2627480000
4	40.64	1.600	20	2627490000

Representative dimensional drawing



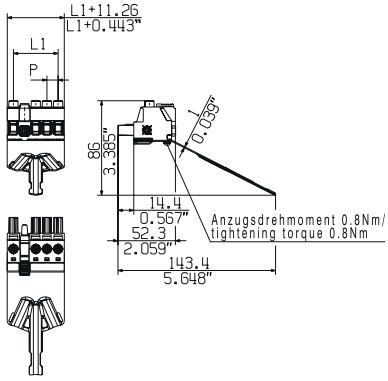
Representative deratings curve



BUZ 10.16IT/../180MSF2 SH180



Dimensioned drawing



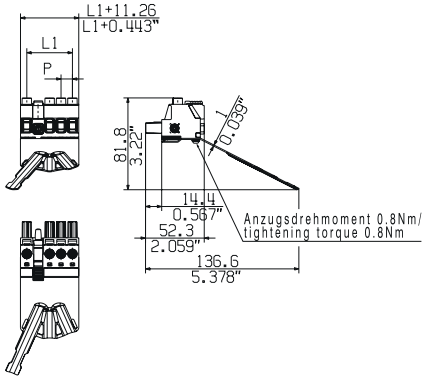
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627530000**
4	40.64	1.600	20	**2627540000**

BUZ 10.16IT/../180MSF2 SH200



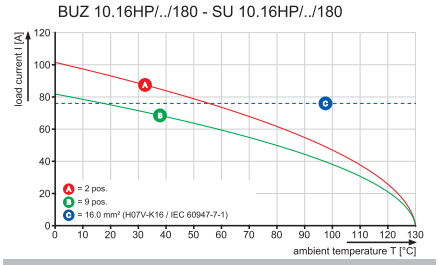
Dimensioned drawing



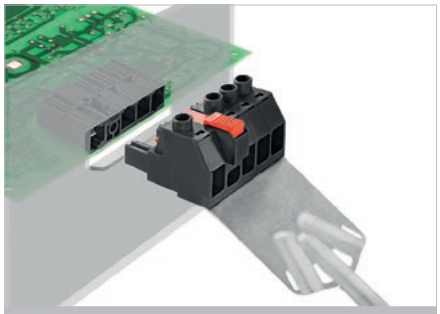
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627580000**
4	40.64	1.600	20	**2627590000**

Additional deratings curves



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

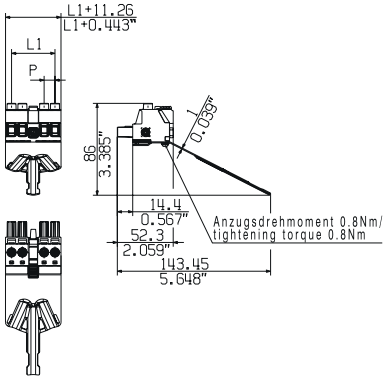
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF3 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

Ordering data

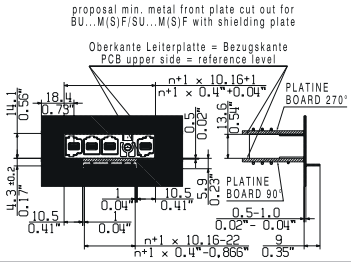
Solder pin length

Colour black

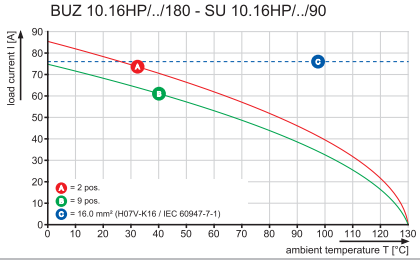
Pitch 10.16 mm

Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	2627500000
4	40.64	1.600	20	2627510000

Representative dimensional drawing



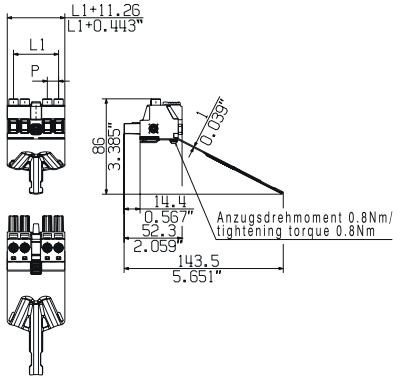
Representative deratings curve



BUZ 10.16IT/../180MSF3 SH180



Dimensioned drawing



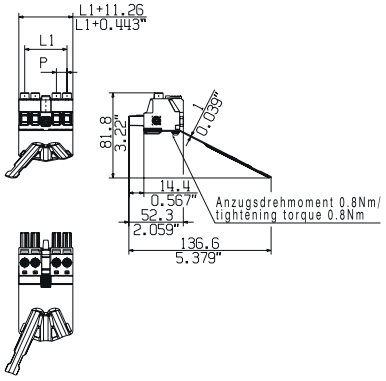
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627550000**
4	40.64	1.600	20	**2627560000**

BUZ 10.16IT/../180MSF3 SH200



Dimensioned drawing

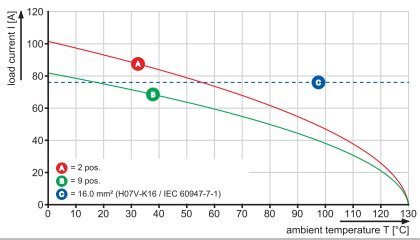


Ordering data

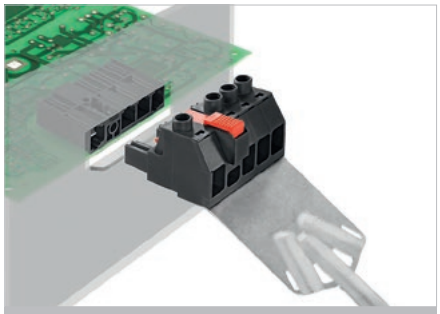
Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	20	**2627600000**
4	40.64	1.600	20	**2627610000**

Additional deratings curves

BUZ 10.16HP/../180 - SU 10.16HP/../180



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

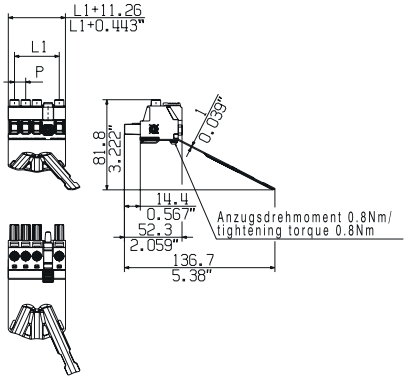
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF4 SH160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**	**22-4**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG	22-4		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

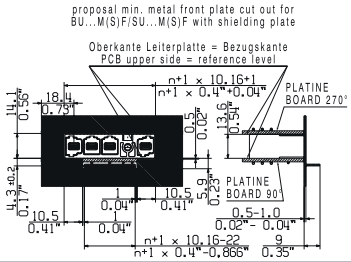
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

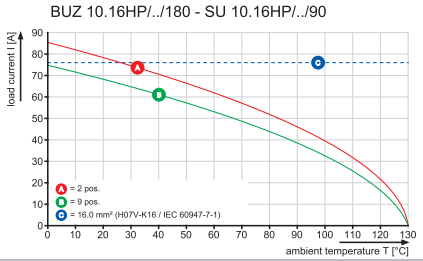
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	40.64	1.600	20	**2627520000**

Representative dimensional drawing



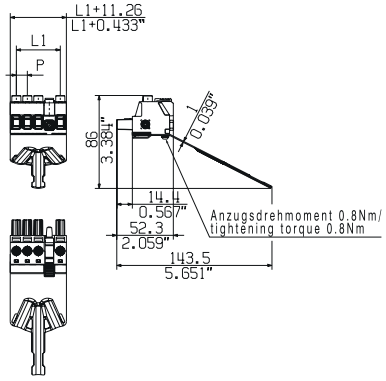
Representative deratings curve



BUZ 10.16IT/../180MSF4 SH180



Dimensioned drawing



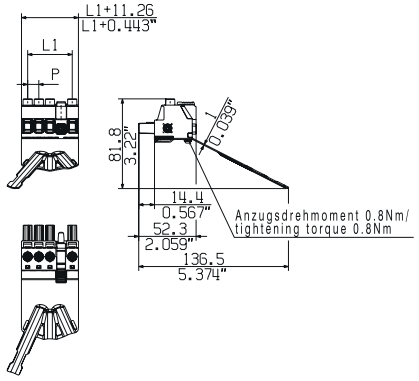
Ordering data

Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	20	2627570000

BUZ 10.16IT/../180MSF4 SH200



Dimensioned drawing

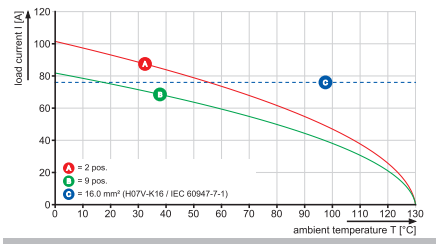


Ordering data

Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	20	2627620000

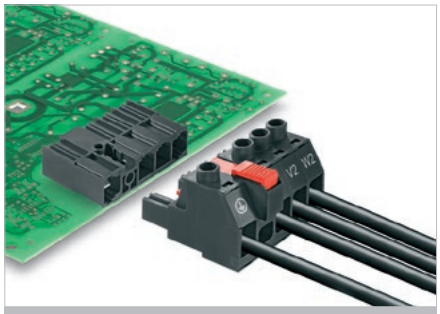
Additional deratings curves

BUZ 10.16HP/../180 - SU 10.16HP/../180



Connectors for IT power networks, pitch 10.16 mm
BU/SU 10.16 IT series - connection up to 16 mm²

BUZ 10.16IT/../180MF



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

Optionally available without middle flange interlock.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

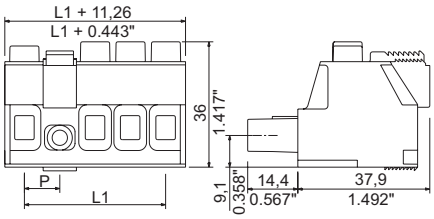
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

Ordering data

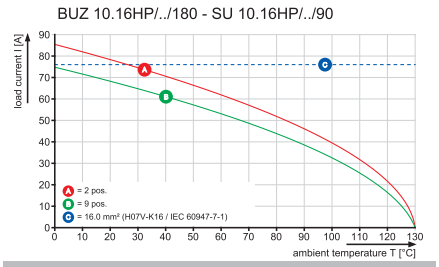
Solder pin length

Colour **black**

Pitch **10.16 mm**

Pol.	L1	(inch)	Qty.	Order No.
2	20.32	0.800	30	1156600000
3	30.48	1.200	21	1156610000
4	40.64	1.600	18	1156630000

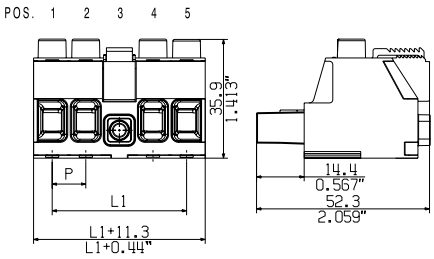
Representative deratings curve



BUZ 10.16IT/../180MF3



Dimensioned drawing



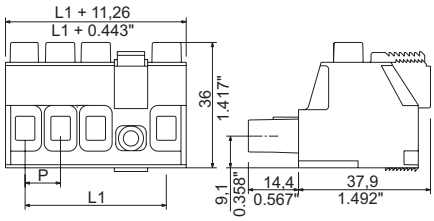
Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	21	1156620000
4	40.64	1.600	18	2000430000

BUZ 10.16IT/../180MF4



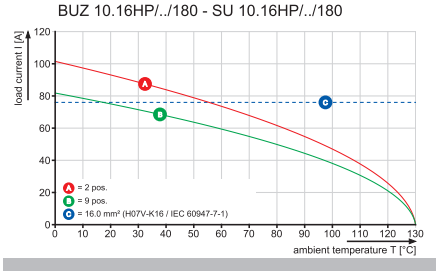
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	18	1156640000

Additional deratings curves

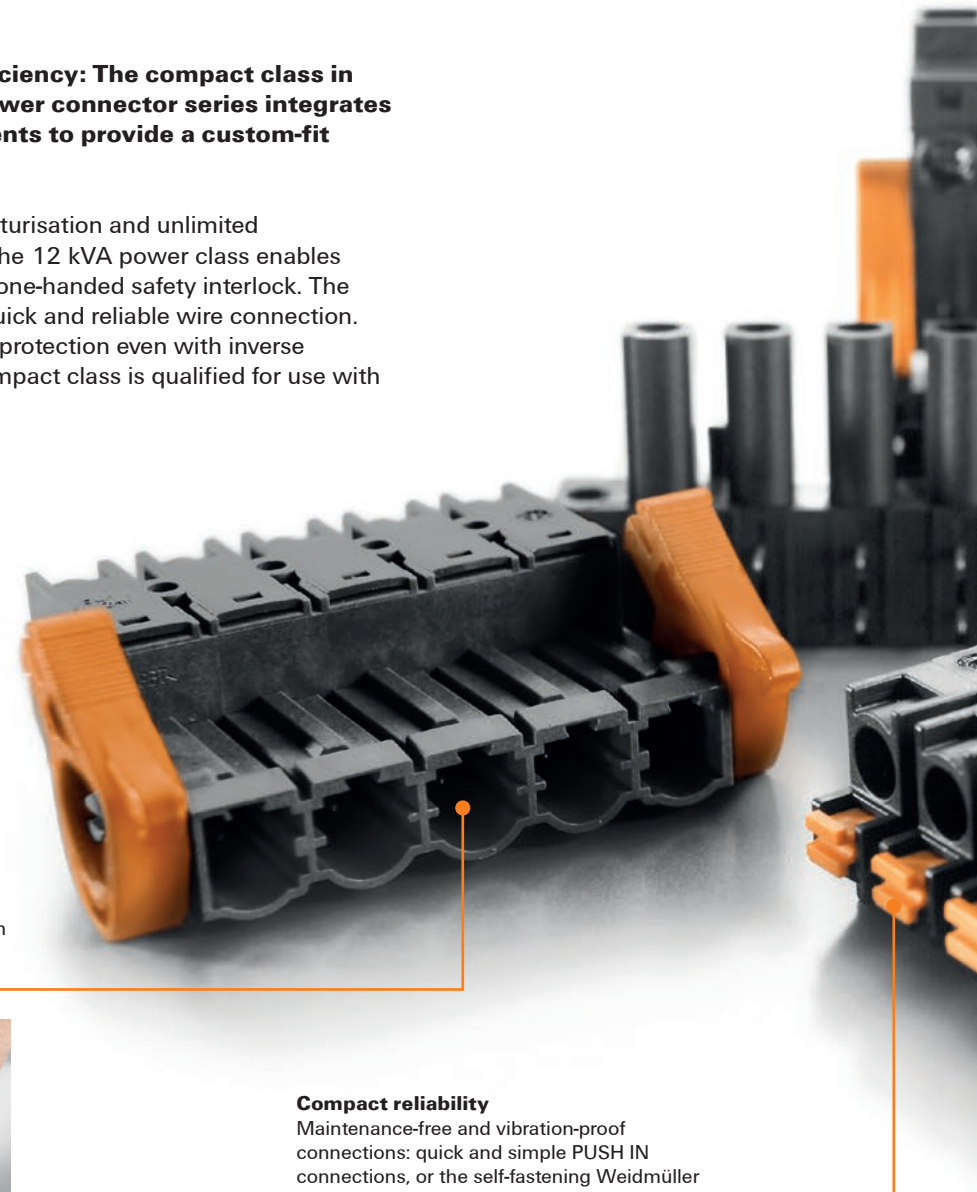


OMNIMATE® Power BL/SL 7.62HP – power class up to 2.55 mm² and 24 A

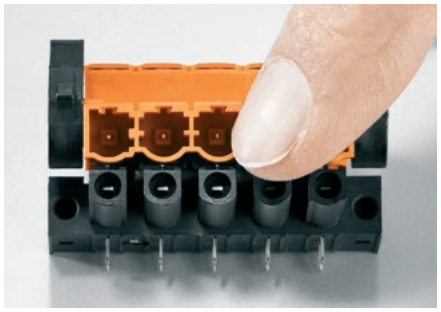
Custom-fit solutions for compact devices

Compact power for more safety and efficiency: The compact class in the OMNIMATE® Power BL/SL 7.62HP power connector series integrates previously-conflicting market requirements to provide a custom-fit solution for drive applications.

This closes the gap between increasing miniaturisation and unlimited 600 V UL approval. The system extension to the 12 kVA power class enables a touch-safe, inverted motor connection with one-handed safety interlock. The PUSH INconnection system also provides a quick and reliable wire connection. Doublesided touch protection guarantees full protection even with inverse voltages. Thus even OMNIMATE® Power's compact class is qualified for use with the DC link bus.

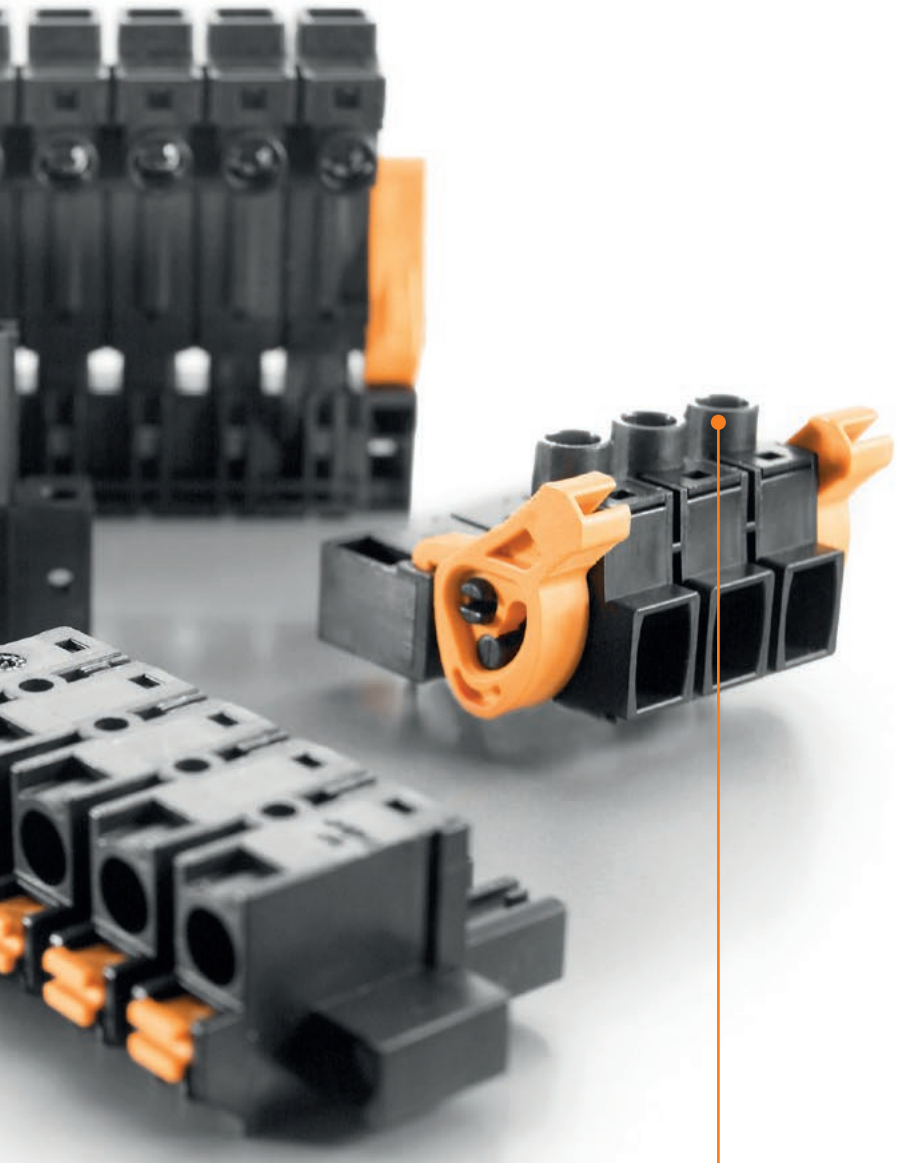


Compact safety
No additional measures required for DC links or inverse voltage: the inverted versions have finger-safe male header and female header even when not plugged in.

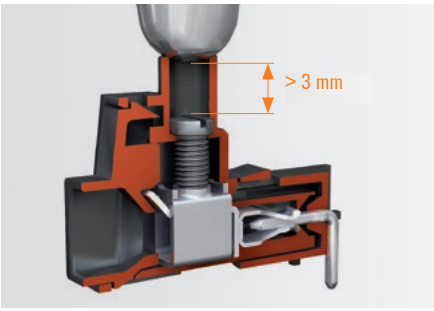


Compact reliability
Maintenance-free and vibration-proof connections: quick and simple PUSH IN connections, or the self-fastening Weidmüller steel clamp with plus/minus screw and "Wire Guard".

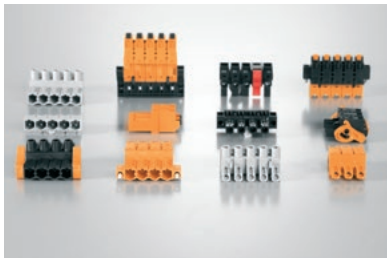




Compact integration
No compromises during design and approval: compact and standard-compliant with additional + 3.0 mm finger safety, according to IEC 61800- 5-1, and increased creepage and clearance distances according to UL.



Compact system power
An overview of OMNIMATE® Power's 12 kVA class: The compact system with either standard or inverted mating profile, with screw or PUSH IN wire connection; optionally with lock & release lever, screw flange or one-handed safety interlock.



Unrivalled current-carrying capacity
The highest load capacity in the 12 kVA compact class: with up to 29 A current-carrying capacity at 1.000 V (IEC) with a 4 mm² wire cross-section or 18.5 A at 600 V according to UL.



Individualised configuration
Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design.



Ergonomic operation and simple front design
OMNIMATE® Power opens up new 270° perspectives

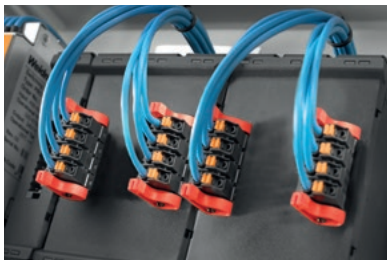
With modular devices, the PCBs are often perpendicular, i.e. located on the right and left, close to the housing wall. Hence the need to arrange the male header in the device so that it points to the middle.

To avoid the need to change the direction of access during installation, we have developed a 270° male header. The combination of two opposing PCBs inside the housing, one with a 90° and the other with a 270° pin header. This allows you to keep the screwdriver comfortably in your right hand when wiring.

In addition to the ergonomic operation without the need to change hands, the consistent alignment of the connections also means that the layout of the front panel is particularly simple and clear.

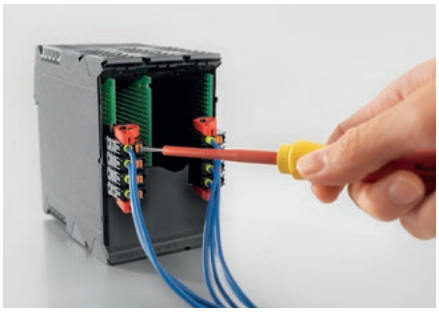
Your special advantages:

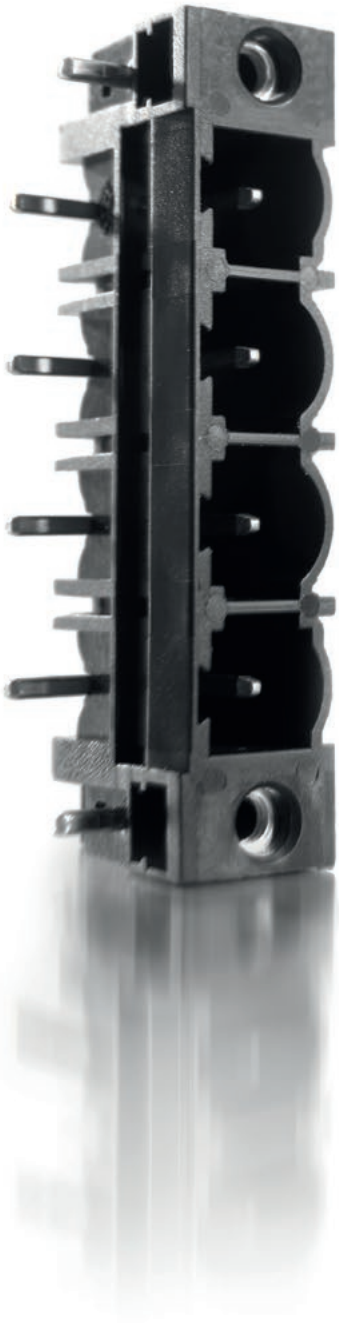
Compact and powerful
We offer you the smallest plug-in PUSH IN connection solution for field wiring up to 600 V UL with a connection cross-section of AWG 12 (2.5 mm²).



The solder flange solution for the pin connector on the PCB and the possible flange fixing of the plug section simplify the use of complex device applications with high mechanical demands

Simple design, standard operation
All PUSH IN connection components on the front panel are aligned in the same direction thanks to the 270° male header. This allows a continuous operation with the right hand.





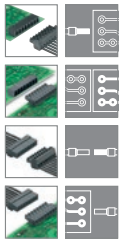


A strong team
Especially in industrial applications in a vibration environment, the combination of female header BLF7.62HP for 600 V UL and male header SL7.62HP are convincing as a strong "PUSH IN" solution.

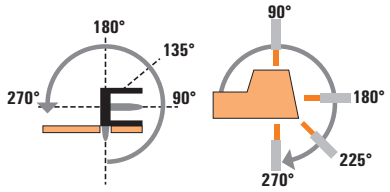


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= Wire-to-Board
= Board-to-Board
= Wire-to-Wire
= Board-to-Wire



Orientation



Male header

Solder connection



BL/SL 7.62 series

Type					SL	SL
Orientation					90°/270°	180°
Flange options					G/F/LF	G/F/LF
Product code numbers					IEC: 800 V/24 A UL: 300 V/20 A	IEC: 800 V/24 A UL: 300 V/20 A
Female plug	Screw Clamping yoke		BLZ	180° (G)/LR	IEC: 630 V/24 A/0.08 - 2.5 mm² UL: 600 V/20 A/AWG 20 - 12	○	○
Female plug	Spring PUSH IN		BLF	180° (G)/F/LR	IEC: 1.000 V/24 A/0.08 - 2.5 mm² UL: 300 V/20 A/AWG 20	○	○
Stiftstecker	Spring PUSH IN		SLF SH	180° (G)/F/LR	IEC: 1.000 V/24 A/0,08 - 2,5 mm² UL: 300 V/20 A/AWG 20	○	○

Female plug and header:
(G) = Closed (without flange)
F = Screw flange with screw
LR = Lock & Release lever

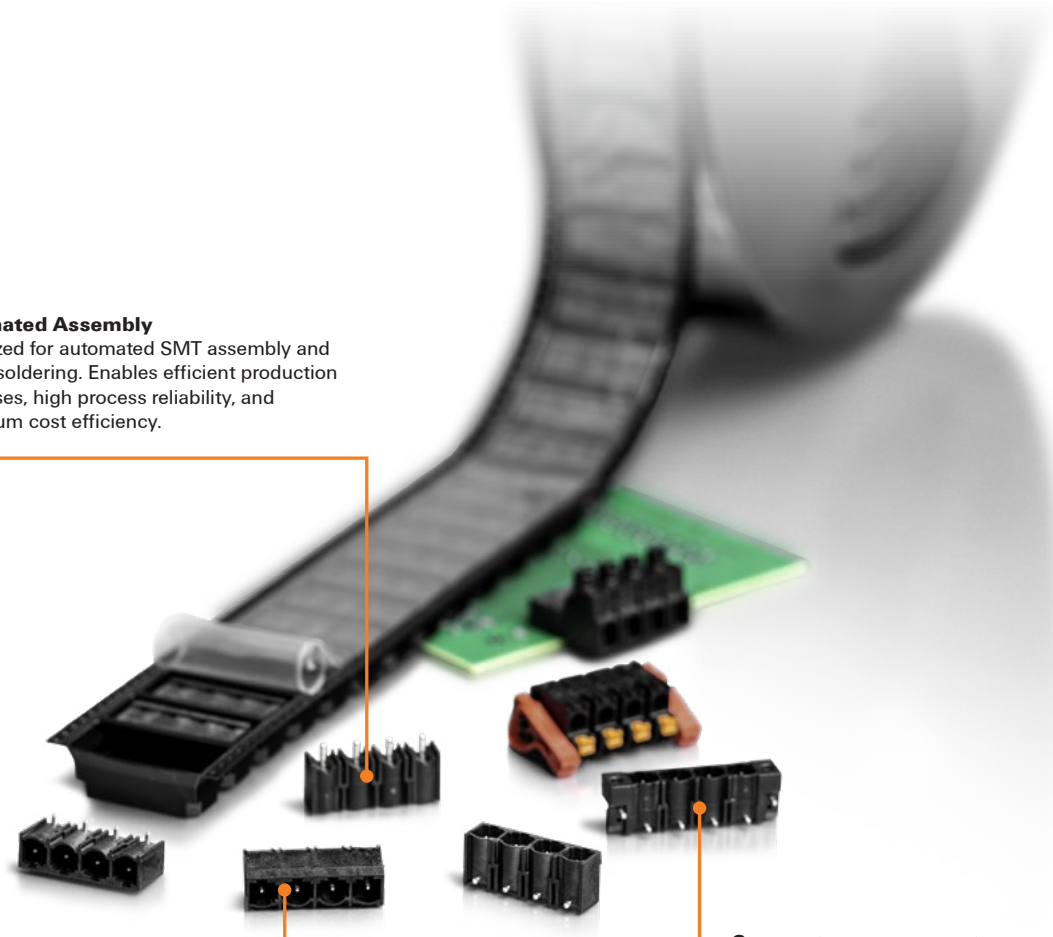
Male header and plug:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut
LR = Lock & Release lever

	Male header		
	Solder connection		
			
	SL-SMT	**SL-SMT**	**SLD**
	90°	180°	90°
	G/F/LF	G/F/LF	G
	IEC: 800 V/24 A UL: 300 V/20 A	IEC: 800 V/24 A UL: 300 V/20 A	IEC: 630 V / 29 A / 0.2 - 4 mm² UL: 600 V / 20 A / AWG 20 - 12
	○	○	○
	○	○	○
	○	○	

OMNIMATE® SL-SMT 7.62HP – THR-Stiftleiste with 7.62 mm pitch

Reflow-capable header for efficient assembly

The SL-SMT 7.62HP header is designed for motor drives, controllers, and power supply applications in power electronics. With a pitch of 7.62 mm, it provides safe and reliable connections and supports performance ratings of up to 600 V UL. The high-temperature insulating material enables reflow soldering and automated assembly, making the header an efficient interface for transmitting power and signals in power electronic applications.



Automated Assembly
Optimized for automated SMT assembly and reflow soldering. Enables efficient production processes, high process reliability, and maximum cost efficiency.

Proven system, new possibilities
Fully compatible with the existing BL/SL product family and pin-compatible with the conventional THT version. This enables a seamless migration of existing designs to SMT technology while maintaining maximum design flexibility.

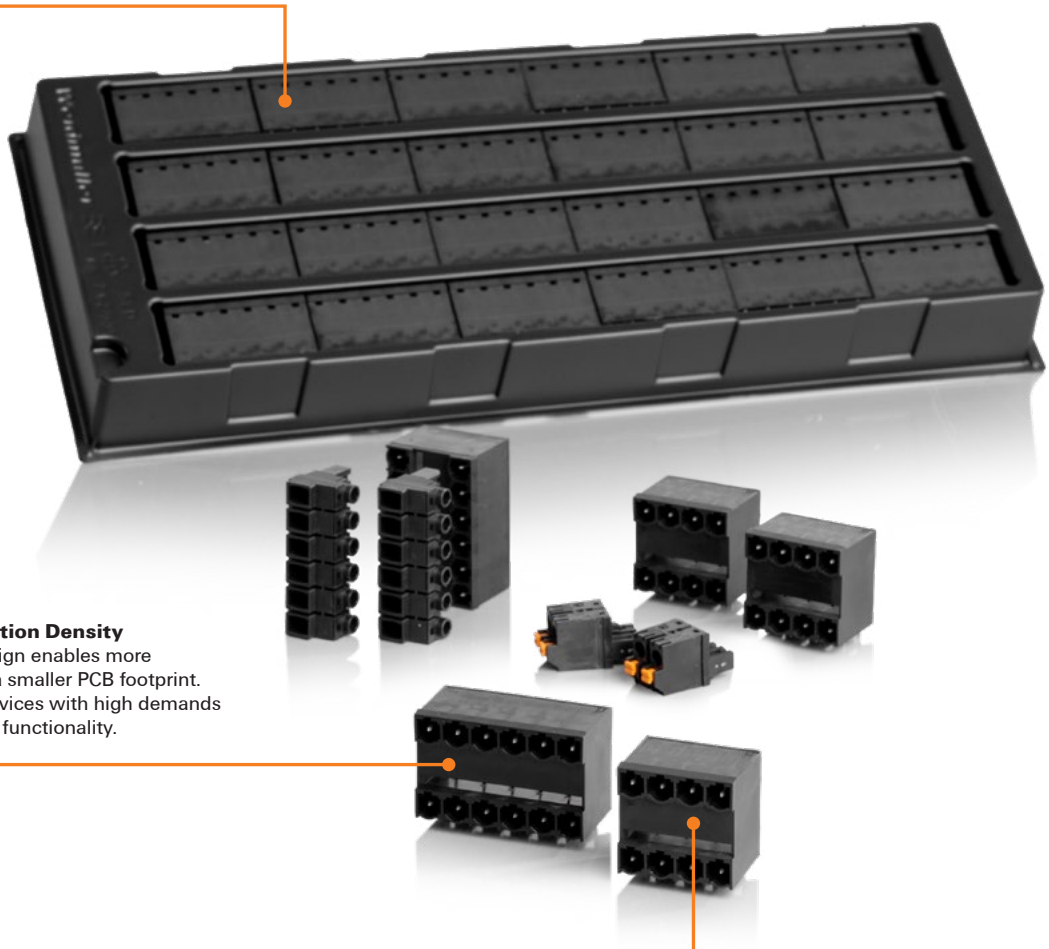
Compact power connector
The compact 7.62 mm pitch combines high contact density with performance ratings of up to 600 V UL. Ideal for powerful space-saving device designs..

OMNIMATE® SLD 7.62HP – Double-Row Header with 7.62 mm pitch

Compact connection solution – double the connections in a small space

The SLD 7.62HP pin header supports drive controls, regulators and power and voltage supplies in power electronics. It reliably transmits currents and voltages, securely manages connections thanks to its compact double-deck design with a 7.62 mm pitch, provides UL connections up to 600 V, maximises connection density and supports automatic tray loading.

Automated Assembly
Tray packaging supports reliable automated assembly and efficient manufacturing processes. For maximum flexibility, the header is also available in box packaging.

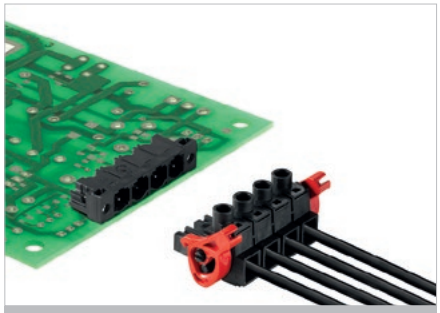


Maximum Connection Density
The double-level design enables more connections within a smaller PCB footprint. Ideal for compact devices with high demands on performance and functionality.

Perfect Family Integration
Fully compatible with the existing connectors of the BL/SL family. Provides maximum flexibility for new designs and seamless upgrades of existing applications.

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SL-SMT 7.62HP/../90



Reflow pin header with a 90° offset. This compact and efficient solution for UL 600 V applications in the lower power range, when used in conjunction with a female connector, meets the 600 V requirements in accordance with UL 61800-5-1 / UL 840 and the enhanced requirements for protection against electric shock in accordance with IEC 68100-5-1.

Variants: flange and solder flange versions.

Product data

IEC: 630 V / 29 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

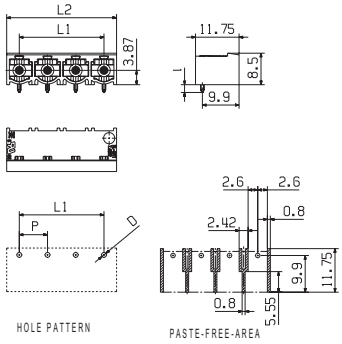
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 7.62HP/../90G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

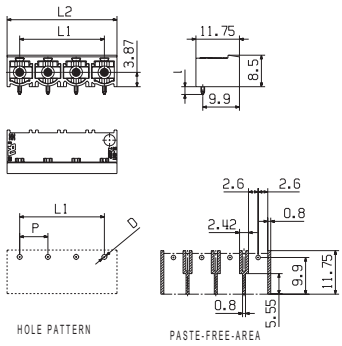
Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	100	**3040750000**
3	15.24	0.600	100	**3040760000**
4	22.86	0.900	100	**3040770000**
5	30.48	1.200	50	**3114140000**
6	38.10	1.500	50	**3114150000**

SL-SMT 7.62HP/../90G Tape



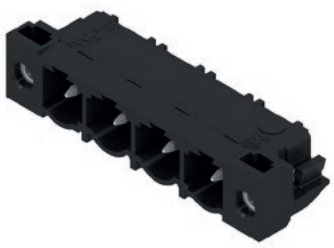
Dimensioned drawing



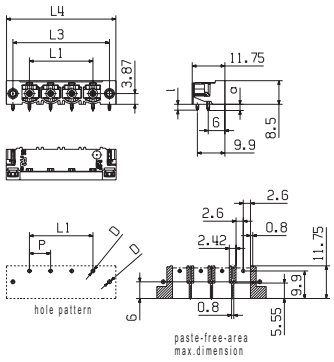
Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	350	3114100000
3	15.24	0.600	350	3114110000
4	22.86	0.900	350	3040780000
5	30.48	1.200	300	3114120000
6	38.10	1.500	300	3114130000

SL-SMT 7.62HP/../90LF Box



Dimensioned drawing



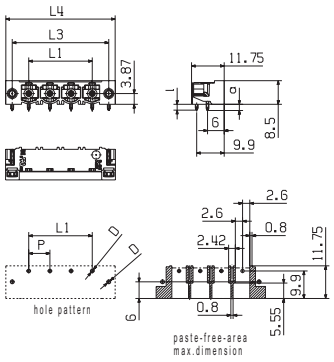
Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300		3114160000
3	15.24	0.600		3114170000
4	22.86	0.900		3114180000
5	30.48	1.200		3114190000
6	38.10	1.500		3114200000

SL-SMT 7.62HP/../90LF Tape



Dimensioned drawing

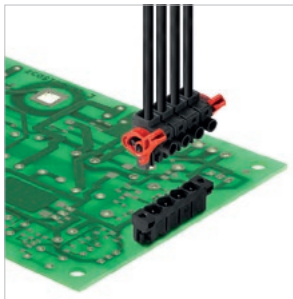


Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300		3114210000
3	15.24	0.600		3114220000
4	22.86	0.900		3114230000
5	30.48	1.200		3114240000
6	38.10	1.500		3114250000

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SL-SMT 7.62HP/../180



Reflow pin header with 180° pin orientation. This compact and efficient solution for UL 600 V applications in the lower power range, when used in conjunction with a female connector, meets the 600 V requirements in accordance with UL 61800-5-1 / UL 840 and the enhanced requirements for protection against electric shock in accordance with IEC 68100-5-1.

Variants: flange and solder flange versions.

Product data

IEC: 630 V / 29 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

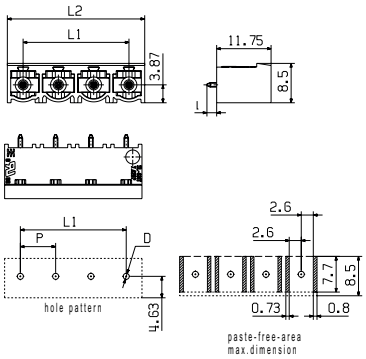
Note:

- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL-SMT 7.62HP/../180G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			LCP GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

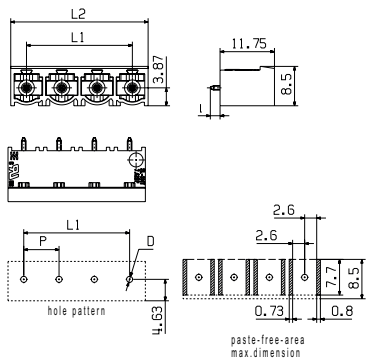
Ordering data

Solder pin length				**2.1 mm**
Colour				**black**
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300		**3114260000**
3	15.24	0.600		**3114270000**
4	22.86	0.900		**3114280000**
5	30.48	1.200		**3114290000**
6	38.10	1.500		**3114300000**

SL-SMT 7.62HP/../180G Tape



Dimensioned drawing



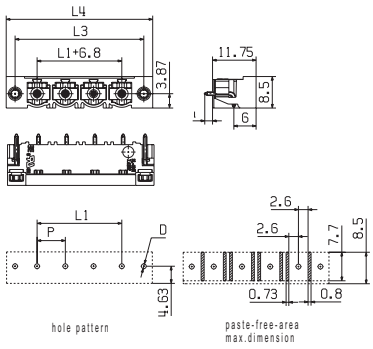
Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300		3114310000
3	15.24	0.600		3114320000
4	22.86	0.900		3114330000
5	30.48	1.200		3114340000
6	38.10	1.500		3114350000

SL-SMT 7.62HP/../180LF Box



Dimensioned drawing



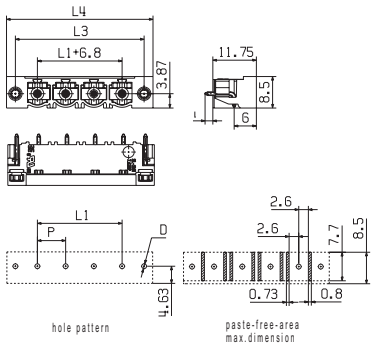
Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300		3114360000
3	15.24	0.600		3114370000
4	22.86	0.900		3114380000
5	30.48	1.200		3114390000
6	38.10	1.500		3114400000

SL-SMT 7.62HP/../180LF Tape



Dimensioned drawing

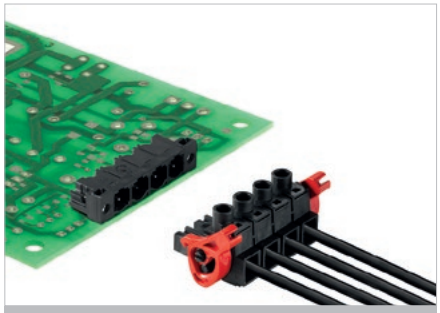


Ordering data

Solder pin length				2.1 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300		3114410000
3	15.24	0.600		3114420000
4	22.86	0.900		3114430000
5	30.48	1.200		3114440000
6	38.10	1.500		3114450000

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SL 7.62HP/../90



Male header with 90° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range in combination with a female plug fulfils the requirements for 600 V acc. to UL508 / UL840 and the enhanced electric shock protection requirements acc. to IEC 68100-5-1.

Variants: flange and solder flanges versions.

Product data

IEC: 630 V / 29 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

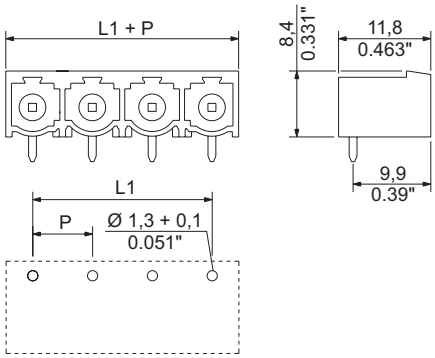
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 7.62HP/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000

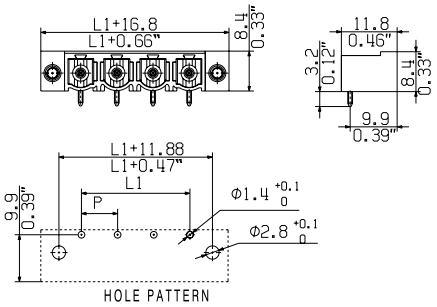
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	100	1026760000
3	15.24	0.600	100	1026770000
4	22.86	0.900	100	1026780000
5	30.48	1.200	50	1026790000

SL 7.62HP/../90F



Dimensioned drawing



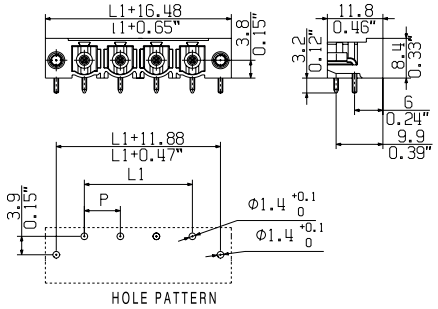
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	**1026850000**
3	15.24	0.600	54	**1026860000**
4	22.86	0.900	42	**1026870000**
5	30.48	1.200	36	**1026880000**
6	38.10	1.500	30	**1124250000**

SL 7.62HP/../90LF



Dimensioned drawing

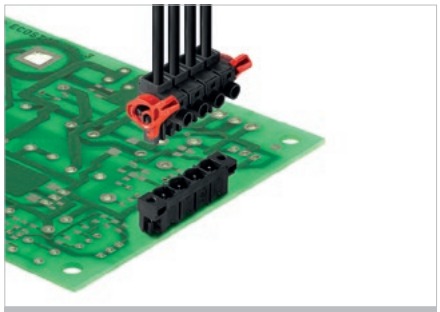


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	**1095920000**
3	15.24	0.600	54	**1095930000**
4	22.86	0.900	42	**1095940000**
5	30.48	1.200	36	**1095950000**
6	38.10	1.500	30	**1095960000**

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SL 7.62HP/../180



Male header with 180° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range fulfils, in combination with a female plug, the requirements for 600 V in acc. with UL508-5-1 / UL840 and the enhanced electric shock protection requirements in acc. with IEC 68100-5-1.

Variants: flanges and solder flange versions.

Product data

IEC: 630 V / 29 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

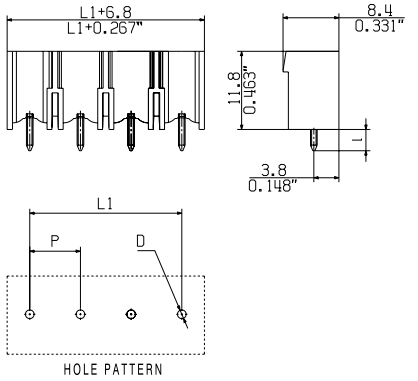
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	**1573010000**
	BLZ/SL KO BK BX	**1545710000**

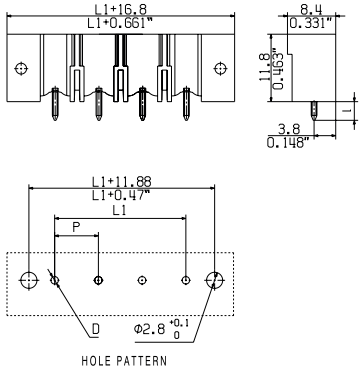
Ordering data

Solder pin length				**3.2 mm**
Colour				**black**
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	100	**1122550000**
3	15.24	0.600	100	**1122570000**
4	22.86	0.900	100	**1122580000**
5	30.48	1.200	50	**1048980000**
6	38.10	1.500	50	**1048990000**

SL 7.62HP/../180F



Dimensioned drawing



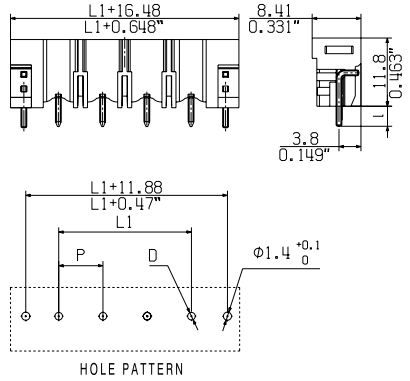
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1140870000
3	15.24	0.600	54	1140880000
4	22.86	0.900	42	1140890000
5	30.48	1.200	36	1140900000
6	38.10	1.500	30	1140910000

SL 7.62HP/../180LF



Dimensioned drawing

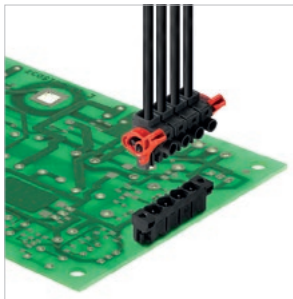


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1141090000
3	15.24	0.600	54	1141100000
4	22.86	0.900	42	1141110000
5	30.48	1.200	36	1141120000
6	38.10	1.500	30	1141130000

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SL 7.62HP/../270



Pin header with 270° outlet direction. This compact solution for UL-600 V applications in the lower performance range meets the requirements for 600 V in accordance with UL 508 / UL 840 as well as the more stringent touch-safety requirements of IEC 68100-5-1 for electrical drive systems when combined with a female plug.

Variants: solder flange versions.

Product data

IEC: 630 V / 27.5 A
UL: 300 V / 20 A

72h

For additional articles and information, refer to eshop.weidmueller.com

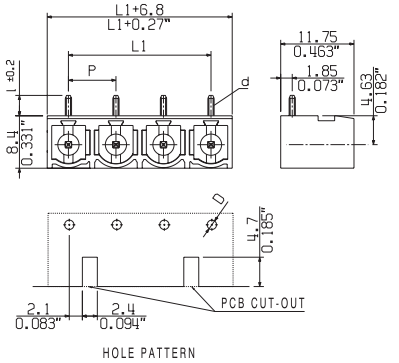
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 7.62HP/270G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**27.5**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	20	20	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000

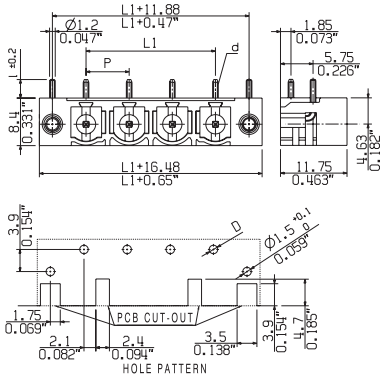
Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1472240000
3	15.24	0.600	100	1472250000
4	22.86	0.900	100	1472260000
5	30.48	1.200	50	1472270000
6	38.10	1.500	50	1472280000

SL 7.62HP/270LF



Dimensioned drawing

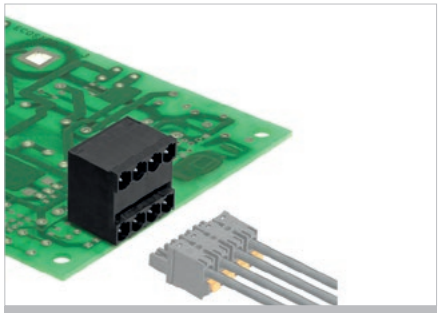


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	100	**1472360000**
3	15.24	0.600	100	**1472370000**
4	22.86	0.900	100	**1472380000**
5	30.48	1.200	50	**1472390000**
6	38.10	1.500	50	**1472410000**

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

SLD 7.62HP



Double row male header with 90° outlet direction. The compact and efficient solution maximis the connection density for UL-600 V applications in the lower power range in combination with a female plug fulfils the requirements for 600 V acc. to UL508 / UL840 and the enhanced electric shock protection requirements acc. to IEC 68100-5-1.

Product data

IEC: 630 V / 21.1 A
UL: 300 V / 17 A

72h

For additional articles and information, refer to eshop.weidmueller.com

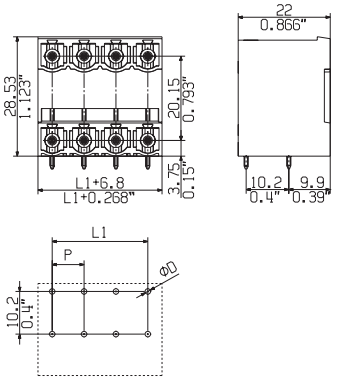
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 7.62HP 90G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**21.1**		**18.2**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**17**	**17**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	10	10	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0 x 1.0	
Solder eyelet Ø = D	mm		1.5	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

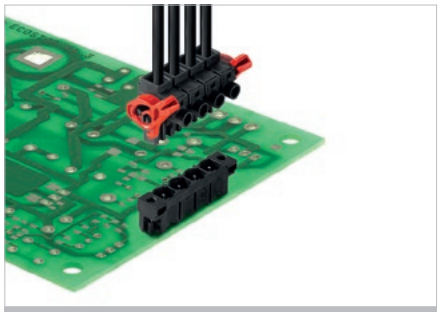
Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000

Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	7.62	0.300	84	3137640000
6	15.24	0.600	60	3137650000
8	22.86	0.900	40	3137660000
10	30.48	1.200	32	3137670000
12	38.10	1.500	24	3137680000

Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

BLZ 7.62HP/../180



Female plug with clamping yoke screw connection in 180° outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

- Available with lock and release-levers (LR) and screw flange on request.

Product data

IEC: 630 V / 29 A / 0.2 - 4 mm²
UL: 600 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

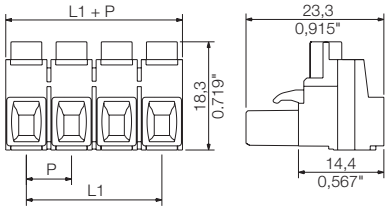
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZ 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...2.5		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**29**		**25**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**400**	**500**	**630**
Rated impulse voltage	kV	6	6	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**	**20-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	20	20	5
AWG conductor	AWG	20-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length

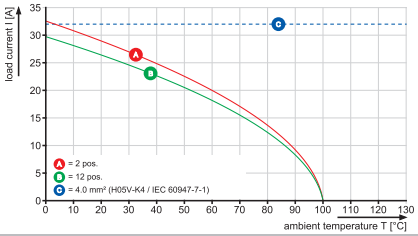
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1059580000
3	15.24	0.600	100	1059590000
4	22.86	0.900	100	1059600000
5	30.48	1.200	50	1049010000
6	38.10	1.500	50	1049020000

Representative deratings curve

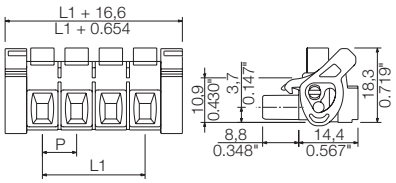
BLZ 7.62HP/../180 - SL 7.62HP/../90



BLZ 7.62HP/../180LR



Dimensioned drawing

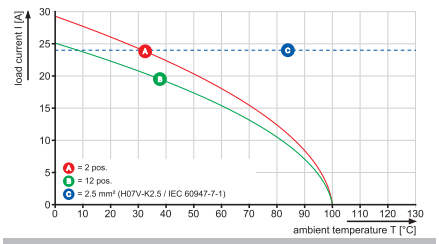


Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	**1093430000**
3	15.24	0.600	45	**1093440000**
4	22.86	0.900	35	**1093450000**
5	30.48	1.200	30	**1093460000**
6	38.10	1.500	25	**1164960000**

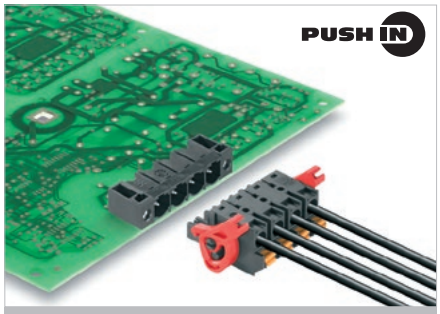
Additional deratings curves

BLZ 7.62HP/../180 - SL 7.62HP/../90



Connectors pitch 7.62 mm
BL/SL 7.62 series - connection up to 2.5 mm²

BLF 7.62HP/../180



Female plug with PUSH IN spring connection in 180 ° outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

- Available with screw flange (F) and lock and release-levers (LR).

Product data

IEC: 1000 V / 29 A / 0.5 - 2.5 mm²
UL: 600 V / 20 A / AWG 20 - 12

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

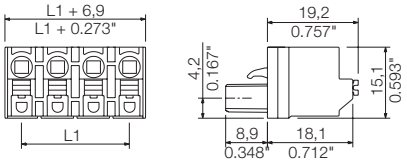
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 7.62HP/../180

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.08...2.5		
Solid core H05(07) V-U	**mm²**	**0.5...1.5**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...2.5		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	10		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**29**		**23.8**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		2.5	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**1000**	**1000**
Rated impulse voltage	kV	6	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**20**	**20**	**5**
AWG conductor	**AWG**		**20-12**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	20	20	5
AWG conductor	AWG		20-12	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.5X3.0X80	2749330000
	SDIS 0.5X3.0X100	2749800000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

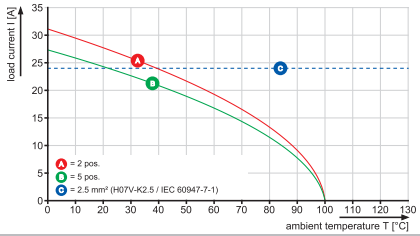
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	120	1043830000
3	15.24	0.600	78	1043840000
4	22.86	0.900	60	1043850000
5	30.48	1.200	48	1043860000
6	38.10	1.500	36	1227340000

Representative deratings curve

BLF 7.62HP/../180 - SL 7.62HP/../90

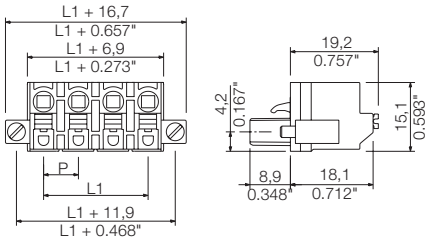


BLF 7.62HP/../180F

with test point



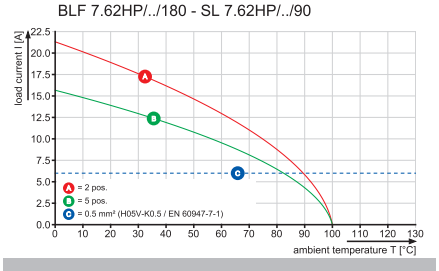
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043910000
3	15.24	0.600	54	1043920000
4	22.86	0.900	42	1043930000
5	30.48	1.200	36	1043940000
6	38.10	1.500	30	1227490000

Additional deratings curves

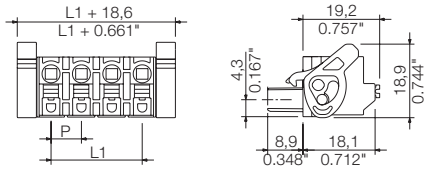


BLF 7.62HP/../180LR

with test point



Dimensioned drawing



Ordering data

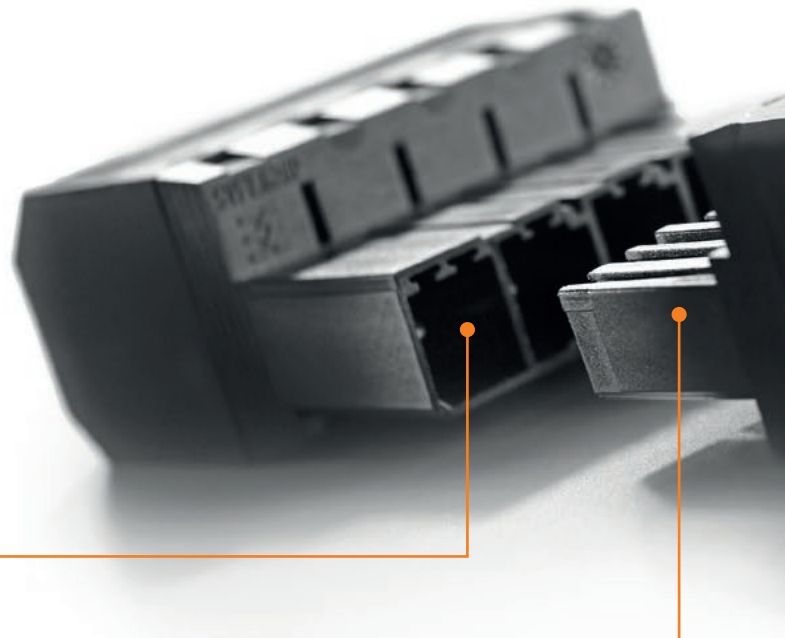
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	72	1043990000
3	15.24	0.600	54	1044000000
4	22.86	0.900	42	1044010000
5	30.48	1.200	36	1044020000
6	38.10	1.500	30	1227420000

OMNIMATE® Power BV/SV 7.62HP – power class from 6 mm² and 41 A

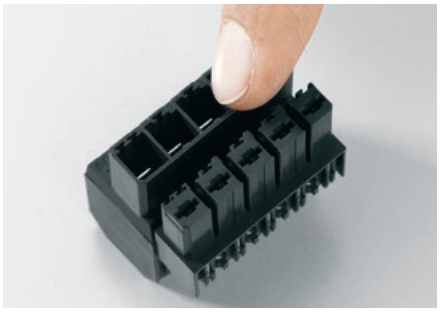
Custom-fit high-powered solutions

More power reserves for more load capacity: The OMNIMATE® Power SV / BV 7.62HP mid-level class of power connection systems is the top performer of the HP series. It features a large clamping range, increased overload capacity and the widest selection of variants and accessories.

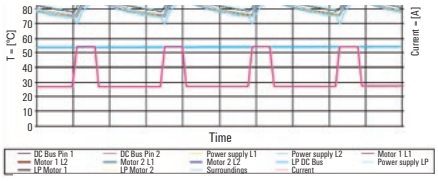
HP means High Performance – this performance covers a great deal: the full rated current up to 50 °C without derating, unlimited 600 V approval according to UL, and the additional finger safety for 400 V-TN systems (+ 3.0 mm) in compliance with the application directive IEC 61800-5-1.

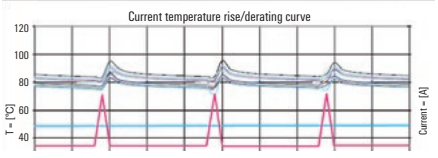


Maximum safety
Safe for both man and machine with bi-directional finger safety: also when not plugged in and covering inverse voltages from power electronics.

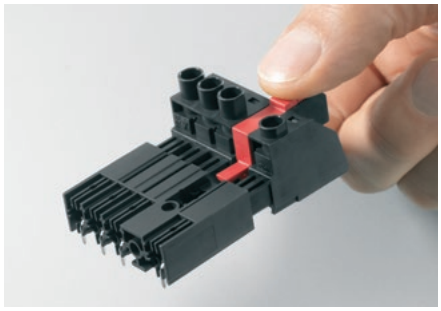


Maximum performance
Full current rating at 40 °C ambient temperature is a mandatory requirement in drive applications. What really makes the difference here is real-world, application-based overload and over-heating capacities.





Maximum user-friendliness
Quick, simple plug and release: with the one-handed safety flange – convenient for the user and safe for the application.

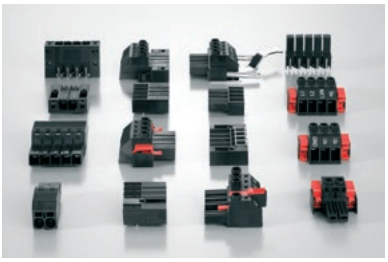




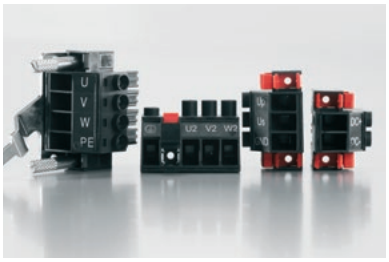
Maximum efficiency
Tool-free simplicity: quick PUSH IN connection mechanism and automatic, convenient snap-in with one-handed safety interlock.
www.weidmueller.com/push-in



High system performance
An overview of the 28-kVA class of OMNIMATE® Power: The HP system has been leading the way with its tool-free rapid interlock, installation-safe creepage and clearance distances, and application-based versioning scheme. This integrated strategy of system expansion includes a one-handed safety flange and wide range of innovative extras.



Individualised configuration
Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design.

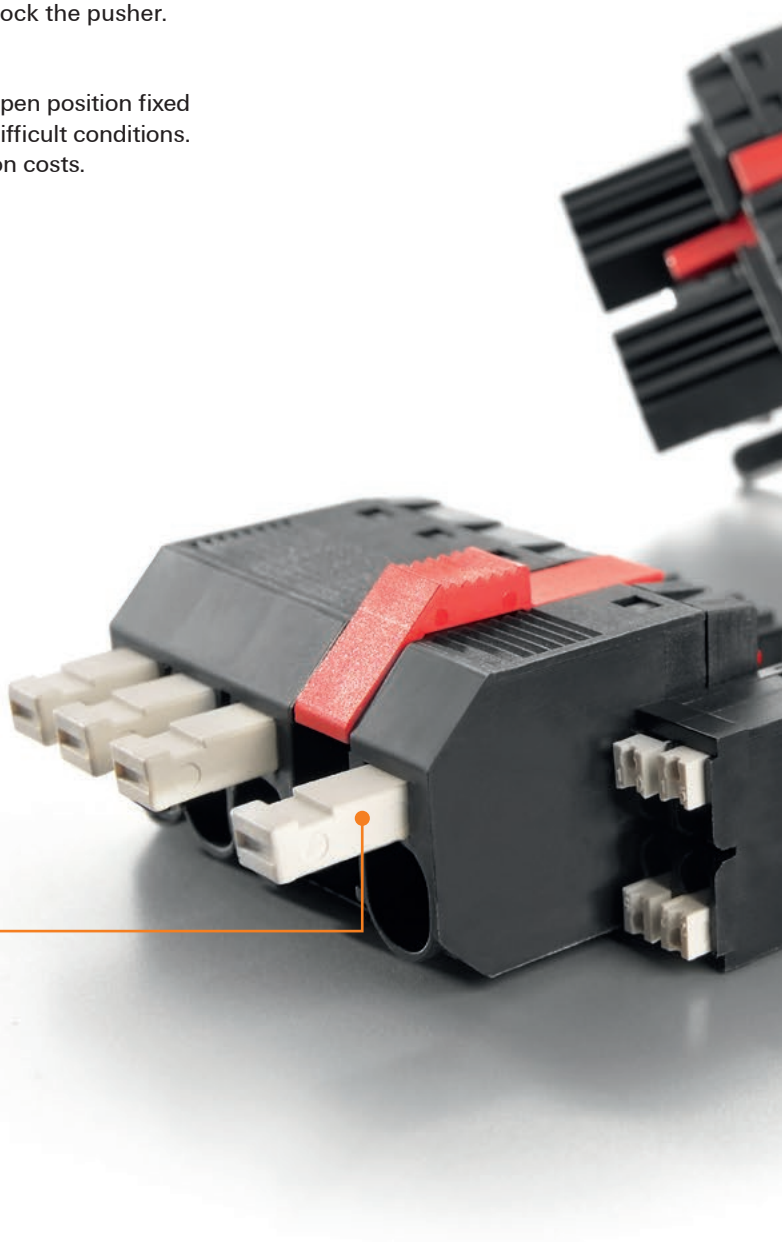


Convenient connection of stripped short wires
OMNIMATE® Power with openable PUSH IN connection

Shielded cables for power electronics are stripped as short as possible for reasons of electromagnetic compatibility (EMC). Connection with large PUSH IN connectors is correspondingly complex. The same applies to cables with small cross-sections where often a “third hand” is missing or the use of special tools gets necessary.

Our BVFL 7.62HP simplifies and accelerates this process without the need of special tools. The combination of PUSH IN connection technology and a Pusher which can be locked in the open position allows an easy insertion of short stripped cables or of thin wires into the open terminal point. Subsequently, by pushing the pusher sideways with the hand, you can simply unlock the pusher.

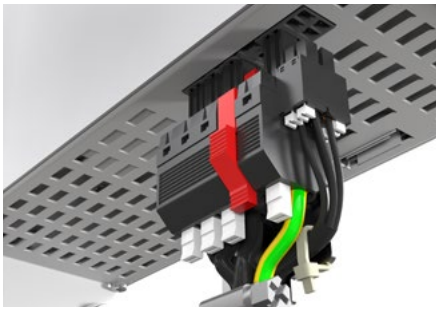
The proven PUSH IN function remains unrestricted, while the in open position fixed terminal point allows a comfortable and easy connection under difficult conditions. Make use of the significant time savings to reduce your installation costs.

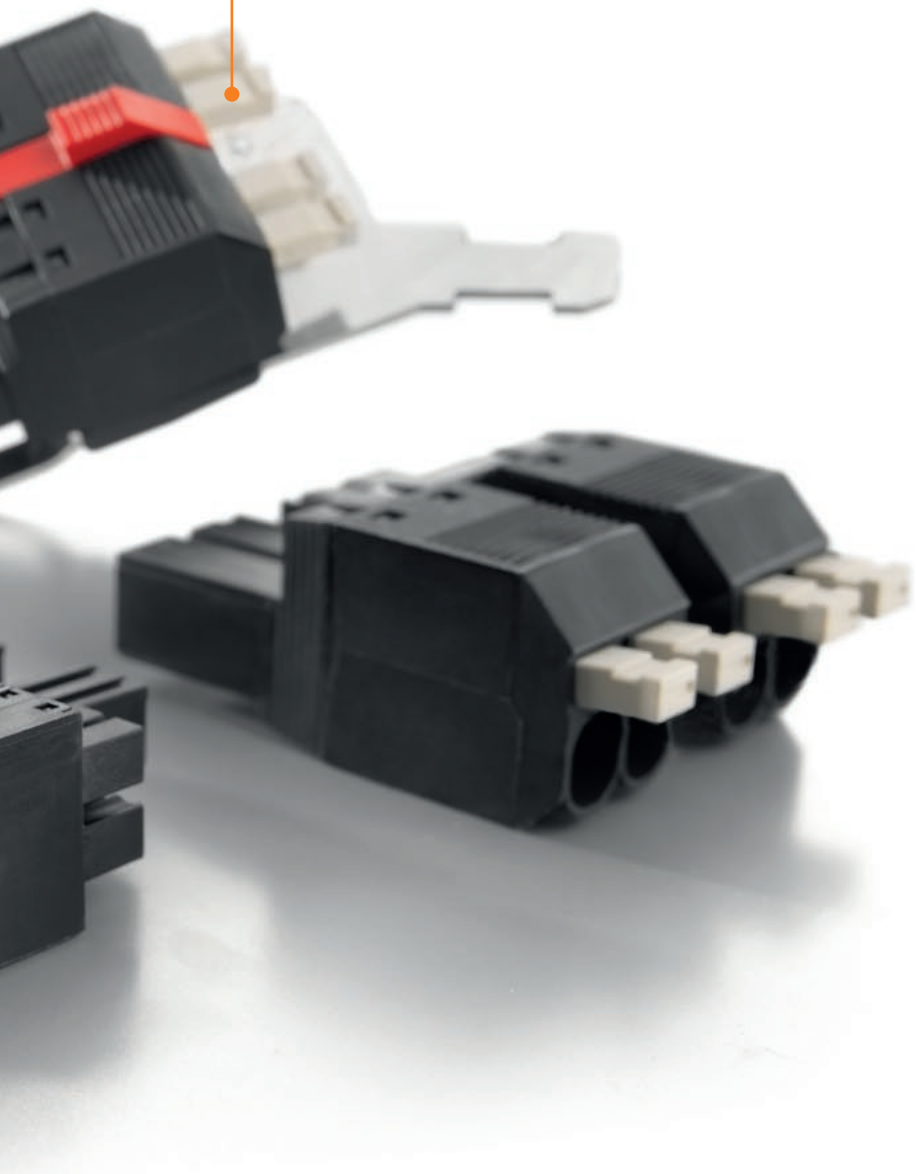


Large PUSH IN connector, small wire cross-section
Even with ferrules, because of the high flexibility it is difficult to insert conductors with a low cross section into these connector. Our simple solution in three steps:
1) Open the terminal point
2) Insert conductors
3) Close the terminal point using sideways pressure



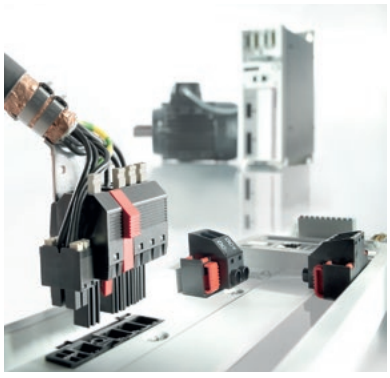
Short-stripped wires
The PUSH IN connector with a pusher in an open fixed position allows a quick and easy wiring without special tools. It also avoids the risk of a not fully inserted conductor.





Your special advantages:

More advantages in handling, reduced installation costs
As the only PUSH IN connector so far available on the market, our BVFL 7.62HP has a special clamping point that can be locked in the open position.



Work quickly while avoiding errors - convenient connectivity solutions with latchable open terminal point reduces the installation time in the field significantly for example in frequency inverters

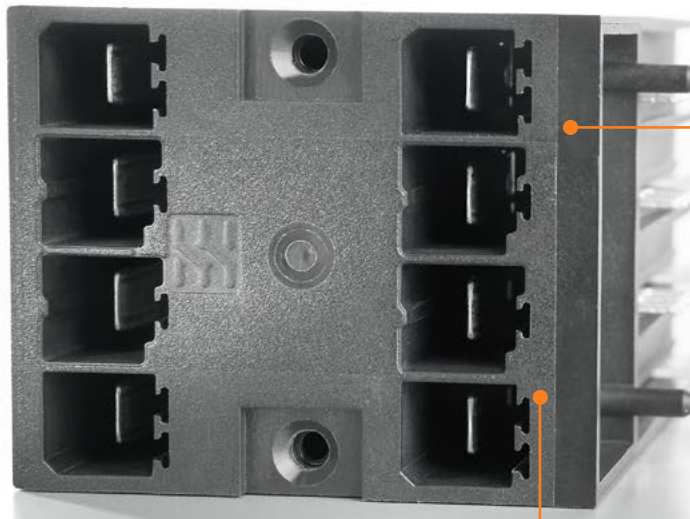
Implement complex supply solutions in the smallest of spaces

OMNIMATE® Power – the compact, two-row connection solution

The demand for ever-smaller drive regulators with increasingly high performance ratings requires complex solutions in terms of the connection systems. The major challenge here is ensuring compliance with the existing standards.

The new double-level OMNIMATE® Power SVD 7.62HP male header minimises the amount of space required on the PCB, thereby creating space for other components. This extra space can be used for the integration of additional functions on the front of the device.

The two connection levels mean that the SVD 7.62HP can be used to implement complex solutions in extremely small spaces. Device widths of just 50 mm are sufficient to supply 2 motors, while still meeting the approval criteria in accordance with UL 600 V.



Optional cable shielding
The combination with the BVF 7.62HP ensures a reliable connection between the cable shielding and the device housing, thereby guaranteeing high EMC safety. The screw mount is easy to operate, and meets all requirements in the field.

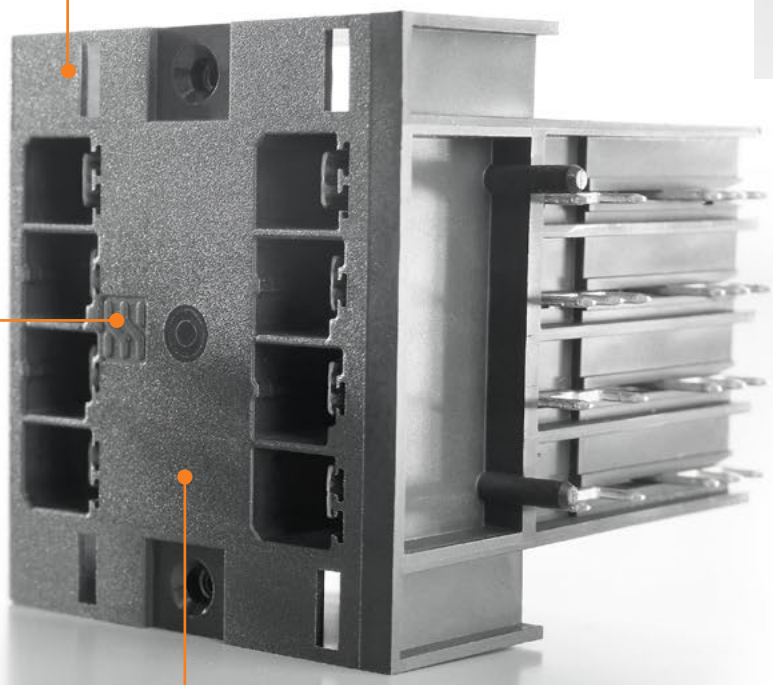


The OMNIMATE® Power series for versatile combination options
The new SVD 7.62HP can be combined with all BVZ 7.62HP and BVF 7.62HP female plugs in the OMNIMATE® Power series.



Solutions with PUSH IN connection
Can be implemented in combination with female plug BVF (BVFL) 7.62HP. For especially quick and easy installation without the need for tools. Available with or without flange fastening – optional with screw flange.





Solutions with screw connections
Can be implemented in combination with female plug BVZ 7.62HP. Available without extra fastening or, optionally, as a flange design – e. g. for applications in medium-voltage systems.



Your special advantages:

More design flexibility for the front of the device and the PCB
The superior solution for when multiple axes need to be plugged into the device in a very small space. Despite the very compact dimensions, the cable shielding can be connected to the front of the device.



With servo regulators in particular, the SVD 7.62HP allows for more complexity than ever before, thanks to the two connection levels for female plugs with conventional screw connection or PUSH IN connection technology. With additional flange fastening on request, and with the option of connecting the cable shielding to the device housing.

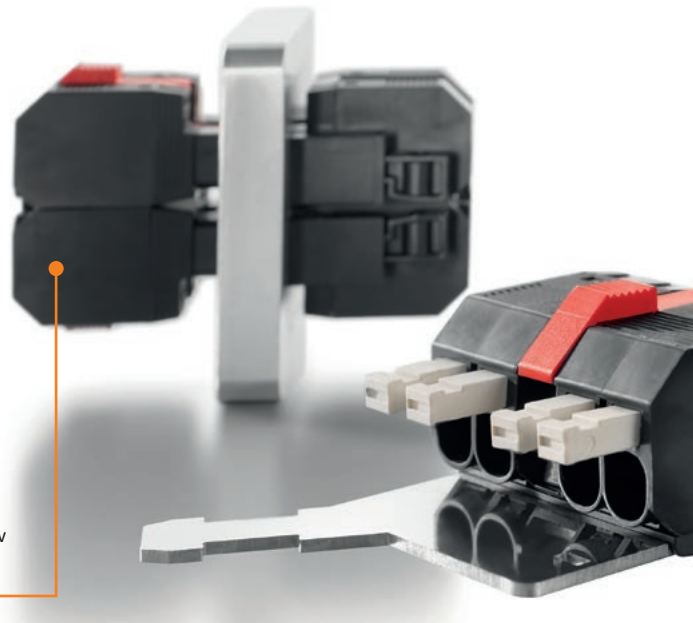
Safe-to-touch, solid and pluggable

Our feed-through terminals also support thick housing walls

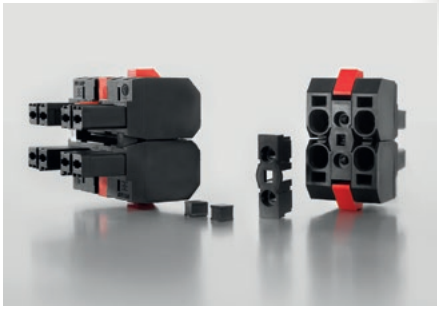
A cable feed-through connection for housing or cabinet walls should be robust and easy to handle. This claim gets fast to a challenge when we talk about the thickness of
die-cast aluminium housings.

Our pluggable panel feed-through connection SVF 7.62HP SFMF (SFBMF) in IP 20 copes this job perfectly. Thanks to the two-sided finger safety clearance of 3 mm, this solution can be used safely even in applications with backwards voltages and is therefore suitable for use in an industrial environment without an inverted mating profile. One hand is enough to plug the counterpart BVF 7.62HP 180 MF and to latch them.

Feel free to use this universal plug device at control cabinets. Or use it for the power-input and power-output connection of electronic housings.



Pin number extension to > 4 pins
Use our SVF/BVF 7.62HP COUPLE SET for extensions. Each of the two mating partners can thus be connected back-to-back to a 2-row connector with a maximum of 2 x 4 poles.



One-handed operation with locking
The mating partner BVF 7.62HP impresses with its one-handed operation and automatic snap-in. If required by a directive, it can be optionally secured with an additional screw.



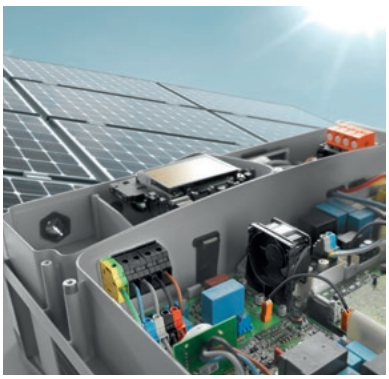


Panel feed-through up to 16 mm as per UL
Without additional measures for maintaining the clearance and creepage distances as per UL, two versions for walls up to 2 mm or up to 16 mm are available. The maximum wire cross section is AWG 8 or 10 mm².



Your special advantages:

Back-to-back
Our plug-in panel feed-through is particularly impressive with automatic locking and the ability to couple two plug-in mating partners.



Our flexible, plug-in supply connections reduce installation and service costs in the signal range up to 41 A. They thus address the much increased demands in the field of signal processing devices, such as photovoltaic inverters.

Flexible power distribution to multiple devices

OMNIMATE® Power connectors with cross-connection for devices

Power electronic devices should be easy and economical to install. It is often needed to connect several devices to the power supply. This is the case, for example, with energy recovery using DC-Link in the intermediate circuit for drives, where several drives are connected.

OMNIMATE® Power BVDF bus connectors have two connections per pole and a time-saving 6 mm² PUSH IN connection. This innovative feature allows easy connection of multiple devices during installation. The connector is available in different versions: laterally closed, with flange, or screw/locking flange. Each of them are available in two to eight pole versions

Your special advantages:

- Safe transmission of bus currents due to integrated cross-connection
- Time-saving connection of solid conductors and conductors with wire end ferrules due to PUSH IN connection
- One pole width less compared to conventional solutions due to self-locking centre flange

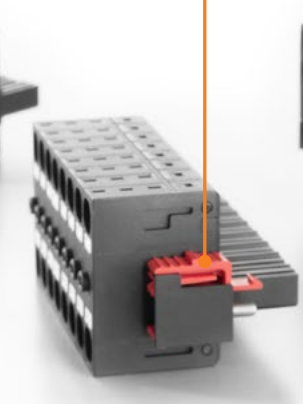


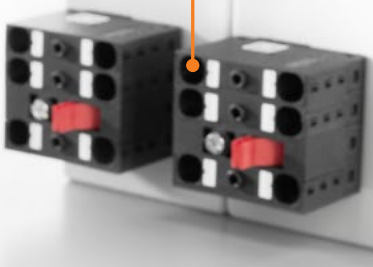
Simple device integration
BVDF bus connectors are plug-in compatible with pin headers of the SV series. This allows a flexible selection of connectors for the use of devices: BVF standard connectors for single devices, BVDF connectors for multiple connected devices.

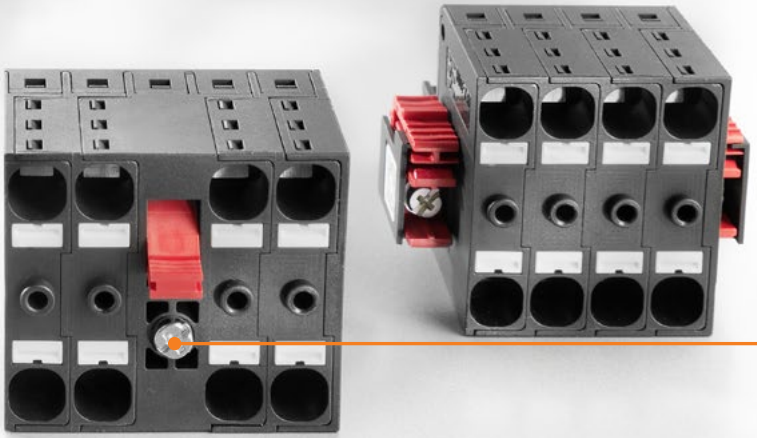


Quick and easy installation
Components with PUSH IN technology reduce the connection time by up to 50%. The conductor is simply inserted into the clamping point up to the stop and a safe and gas-tight connection is established - without any tools.

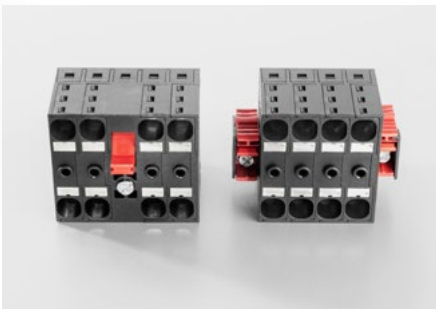








High safety level
The self-locking central flange and the lateral locking flange of the BVDF connectors have an additional screw fastening. It ensures reliable grip – even with tight bending radii of the connected conductors.



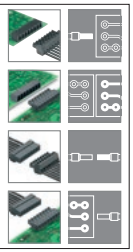
www.weidmueller.com/omnimate

= Wire-to-Board

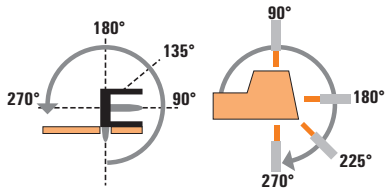
= Board-to-Board

= Wire-to-Wire

= Board-to-Wire

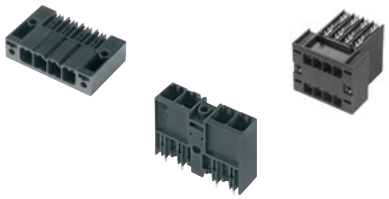


Orientation



Male header

Solder connection



BV/SV 7.62 series

Type				SV- SMT	SV	SVD
Orientation				90° /180°/270°	90° /180°/270°	270°
Flange options				G/F/SF/MF/ MSF	G/F/SF/MF/ MSF	G/F
Product code numbers				IEC: 1.000 V/41 A UL: 300 V/40.5 A	IEC: 1.000 V/41 A UL: 300 V/40.5 A	IEC: 1.000 V/47 A UL: 300 V/30 A
Female plug						
Screw Clamping yoke						
	**BVZ**	180°	(G)/F/SF	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/40.5 A/AWG 24 - 8	○	○	○
	**BVZ**	180°	FC/SFC	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/40.5 A/AWG 24 - 8			
	**BVZ**	180°	SH...	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/40.5 A/AWG 24 - 8	○	○	
	**BVZ**	180°	SH... C	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/40.5 A/AWG 24 - 8			
Spring PUSH IN						
	**BVF**	180°	(G)/F/SF/ MF/MSF	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/39 A/AWG 24 - 8	○	○	○
	**BVFL**	180°	(G)/F/SF/ MF/MSF	IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/39 A/AWG 24 - 8	○	○	○
	**BVFL**	180°	(G)/SF/ MF/MSF	IEC: 600 V/46 A/0,5 - 10 mm² UL: 600 V/35 A/AWG 24 - AWG 8	○	○	
Female header						
Solder connection						
	**BVL**	90°	(G)/FI/SFI	IEC: 1.000 V/41 A UL: 300 V/35 A	●	●	
	**BVL**	180°	(G)/FI/SFI	IEC: 1.000 V/41 A UL: 300 V/35 A	●	●	
	**BVL**	270°	(G)/FI/SFI	IEC: 1.000 V/41 A UL: 300 V/35 A			

Female plug and header:

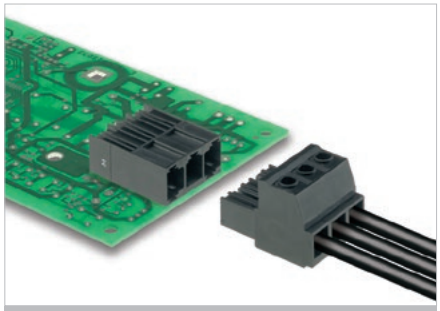
(G) = Closed (without flange)
F = Flange with clasp
SF = Flange with clasp and additional screw
SFC = Flange with clasp and additional screw
FI = Inverted flange with clasp
SFI = Inverted flange with clasp and additional screw
FC = Flange with clasp
SH... = Shielded flange with additional nut
SH... C = Shielded flange with additional screw
MF = Centre flange for clasp
MSF = Centre flange for clasp with additional nut

	Male plug			
	Spring PUSH IN			
				
	SVF	**SVF**	**SVF**	**SVFL**
	180°	180°	180°	180°
	G/F/SF	G/FI/SFI	MF/MSF/SFMF/SFBMF	G/F/MF
	IEC: 1.000 V/41 A/ 0.5 - 10 mm² UL: 600 V/36 A/ AWG 24 - 10	IEC: 1.000 V/41 A/ 0.5 - 10 mm² UL: 600 V/36 A/ AWG 24 - 10	IEC: 1.000 V/41 A/ 0.5 - 10 mm² UL: 600 V/36 A/ AWG 24 - 10	IEC: 1.000 V/41 A/ 0.5 - 10 mm² UL: 600 V/36 A/ AWG 24 - 10
	●			●
	●			●
	●		●	●
	●		●	●
	●		●	●
		●		
		●		
		●		

Male header and plug:

G = Closed (without flange)
F = Flange with clasp
SF = Flange with clasp and additional screw
FI = Inverted flange with clasp
SFI = Inverted flange with clasp and additional screw
FC = Flange with clasp
SFC = Flange with clasp and additional screw
SH... = Shielded flange with additional nut
MF = Centre flange for clasp
MSF = Centre flange for clasp with additional nut

SV-SMT 7.62HP/../90



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of finger safety in accordance with IEC 61800-5-1.
Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

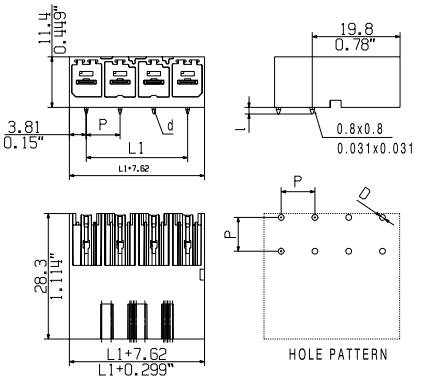
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../90G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**40.5**	**40.5**	**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.5	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

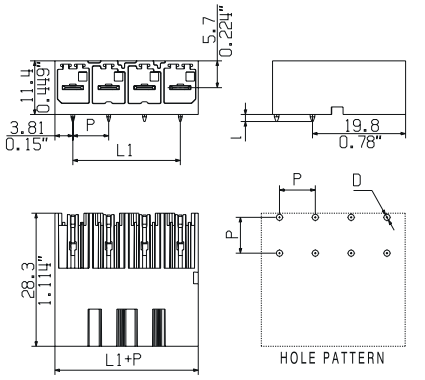
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	120	2499320000
3	15.24	0.600	78	2499500000
4	22.86	0.900	60	2499550000
5	30.48	1.200	48	2499560000

SV-SMT 7.62HP/../90G Tape



Dimensioned drawing



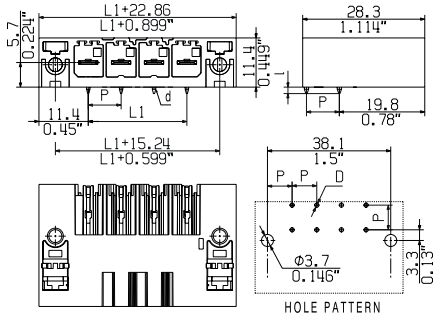
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	110	2545800000
3	15.24	0.600	110	2546110000
4	22.86	0.900	110	2546120000
5	30.48	1.200	110	2546130000

SV-SMT 7.62HP/../90F Box



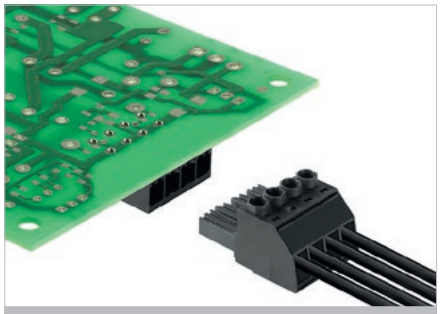
Dimensioned drawing



Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	2499520000
3	15.24	0.600	48	2499570000
4	22.86	0.900	36	2499580000
5	30.48	1.200	50	2499590000

SV-SMT 7.62HP/../270



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures finger safety of >3 mm in accordance with IEC 61800-5-1. Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE®. Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

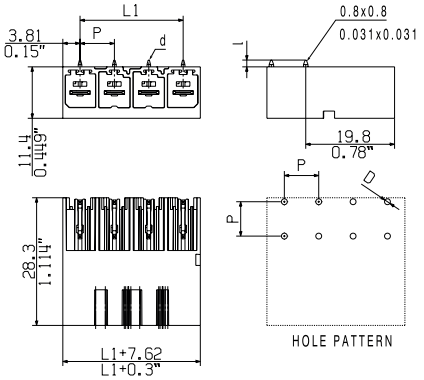
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../270G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**40.5**	**40.5**	**10**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG		-	
General data				
Type of insulation material			PA 9T	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.5	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

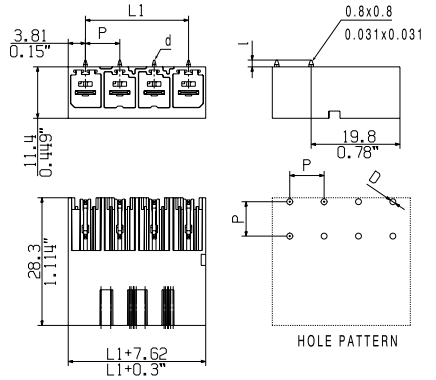
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	120	2499330000
3	15.24	0.600	78	2499340000
4	22.86	0.900	60	2499350000
5	30.48	1.200	48	2499360000

SV-SMT 7.62HP/../270G Tape



Dimensioned drawing



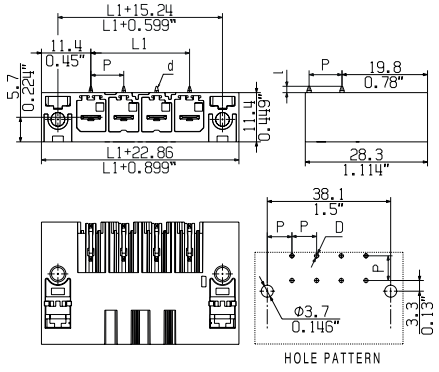
Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	110	2546140000
3	15.24	0.600	110	2546150000
4	22.86	0.900	110	2546160000
5	30.48	1.200	110	2546170000

SV-SMT 7.62HP/../270F Box



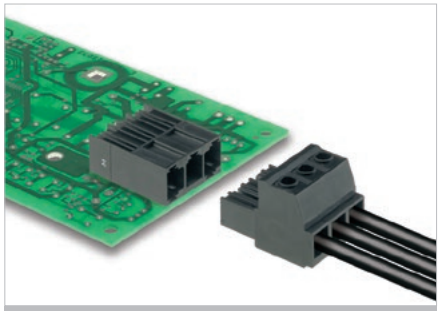
Dimensioned drawing



Ordering data

Solder pin length				2.6 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	2499540000
3	15.24	0.600	50	2499910000
4	22.86	0.900	50	2499920000
5	30.48	1.200	50	2499930000

SV 7.62HP/../90



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

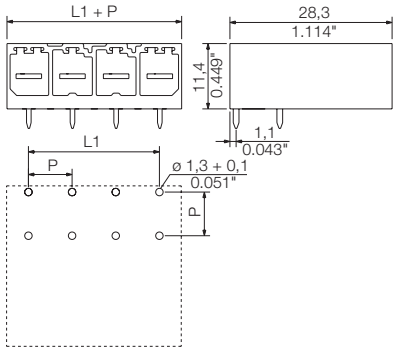
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

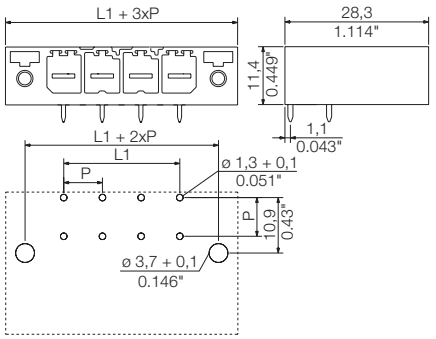
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	120	1930270000
3	15.24	0.600	78	1930280000
4	22.86	0.900	60	1930290000
5	30.48	1.200	48	1930300000
6	38.10	1.500	36	1930310000
7	45.72	1.800	30	1930320000
8	53.34	2.100	30	1930330000
9	60.96	2.400	24	1930340000
10	68.58	2.700	24	1930350000
11	76.20	3.000	18	1930360000
12	83.82	3.300	18	1930370000

SV 7.62HP/../90F



Dimensioned drawing



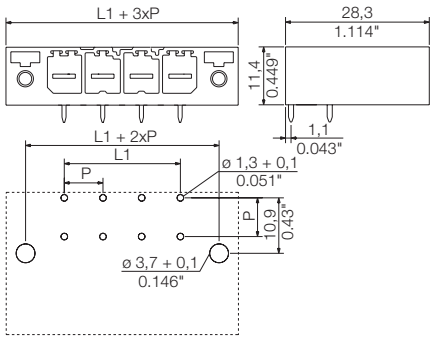
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1930380000
3	15.24	0.600	48	1930390000
4	22.86	0.900	36	1930400000
5	30.48	1.200	30	1930410000
6	38.10	1.500	30	1930420000
7	45.72	1.800	24	1930430000
8	53.34	2.100	24	1930440000
9	60.96	2.400	18	1930450000
10	68.58	2.700	18	1930460000
11	76.20	3.000	18	1930470000
12	83.82	3.300	12	1930480000

SV 7.62HP/../90SF



Dimensioned drawing

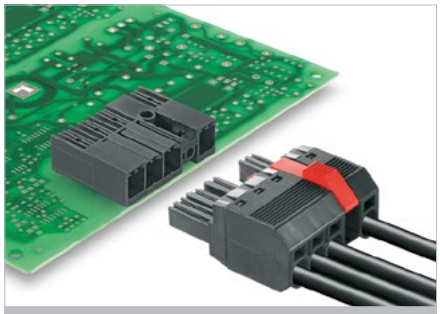


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1930490000
3	15.24	0.600	48	1930500000
4	22.86	0.900	36	1930510000
5	30.48	1.200	30	1930520000
6	38.10	1.500	30	1930530000
7	45.72	1.800	24	1930540000
8	53.34	2.100	24	1930550000
9	60.96	2.400	18	1930560000
10	68.58	2.700	18	1930570000
11	76.20	3.000	18	1930580000
12	83.82	3.300	12	1930590000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SV 7.62HP/../90MF



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

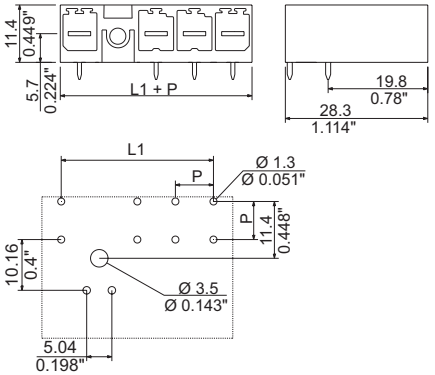
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

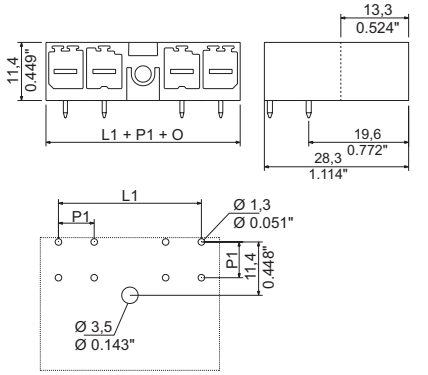
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	78	1048390000
3	22.86	0.900	60	1048500000
4	30.48	1.200	48	1464270000
5	38.10	1.500	36	1464280000
6	45.72	1.800	30	1543090000

SV 7.62HP/../90MF3



Dimensioned drawing



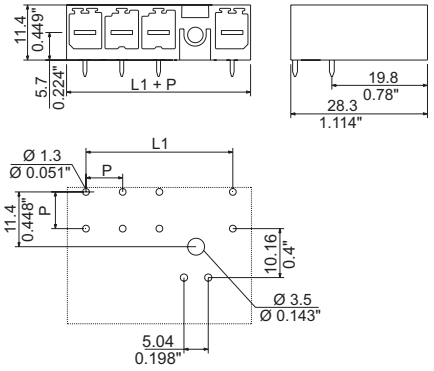
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	**1048490000**
4	30.48	1.200	48	**1048570000**
5	38.10	1.500	36	**1048690000**
6	45.72	1.800	30	**1543120000**

SV 7.62HP/../90MF4



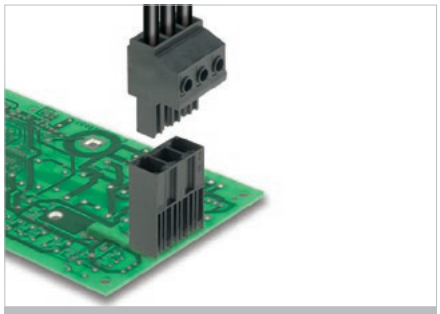
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	**1464290000**
5	38.10	1.500	36	**1048680000**
6	45.72	1.800	30	**1048760000**

SV 7.62HP/../180



Male header with 180° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening and integrated positioning aid.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

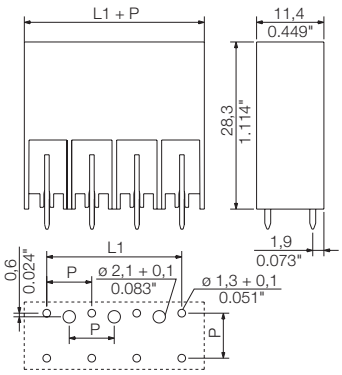
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

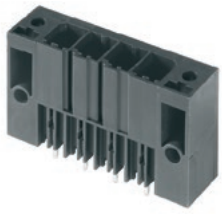
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Protection against twisting		
	VDS180 SV7.62	1853940000

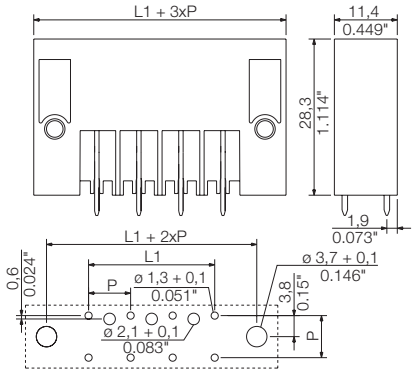
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	120	1930600000
3	15.24	0.600	78	1930610000
4	22.86	0.900	60	1930620000
5	30.48	1.200	48	1930630000
6	38.10	1.500	36	1930640000
7	45.72	1.800	30	1930650000
8	53.34	2.100	30	1930660000
9	60.96	2.400	24	1930670000
10	68.58	2.700	24	1930680000
11	76.20	3.000	18	1930690000
12	83.82	3.300	18	1930700000

SV 7.62HP/../180F



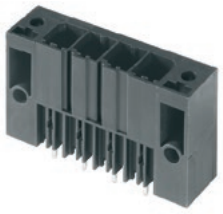
Dimensioned drawing



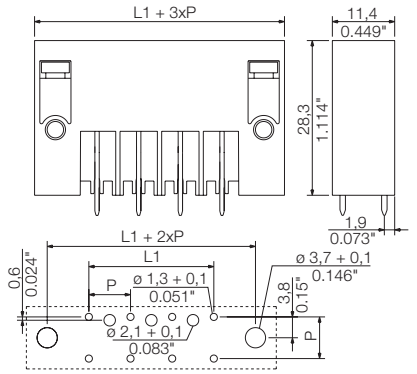
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1930710000
3	15.24	0.600	48	1930720000
4	22.86	0.900	36	1930730000
5	30.48	1.200	30	1930740000
6	38.10	1.500	30	1930750000
7	45.72	1.800	24	1930760000
8	53.34	2.100	24	1930770000
9	60.96	2.400	18	1930780000
10	68.58	2.700	18	1930790000
11	76.20	3.000	18	1930800000
12	83.82	3.300	12	1930810000

SV 7.62HP/../180SF



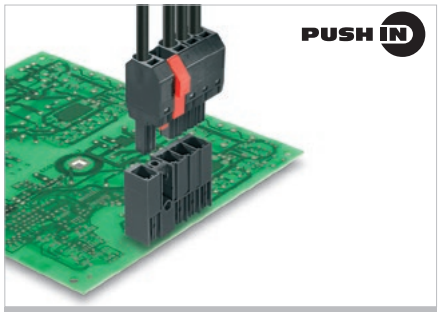
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1930820000
3	15.24	0.600	48	1930830000
4	22.86	0.900	36	1930840000
5	30.48	1.200	30	1930850000
6	38.10	1.500	30	1930860000
7	45.72	1.800	24	1930870000
8	53.34	2.100	24	1930880000
9	60.96	2.400	18	1930890000
10	68.58	2.700	18	1930900000
11	76.20	3.000	18	1930910000
12	83.82	3.300	12	1930920000

SV 7.62HP/../180MF



Male header with 180° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening and integrated positioning aid.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

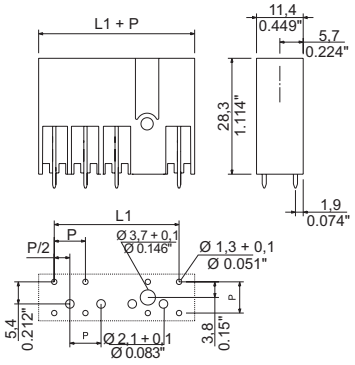
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Protection against twisting		
	VDS180 SV7.62	1853940000

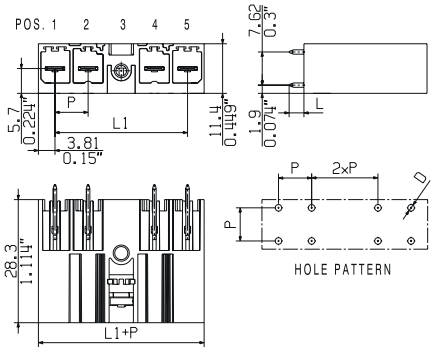
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	78	1048350000
3	22.86	0.900	60	1048410000
4	30.48	1.200	48	1464310000
5	38.10	1.500	36	1464320000
6	45.72	1.800	30	1543190000

SV 7.62HP/../180MF3



Dimensioned drawing



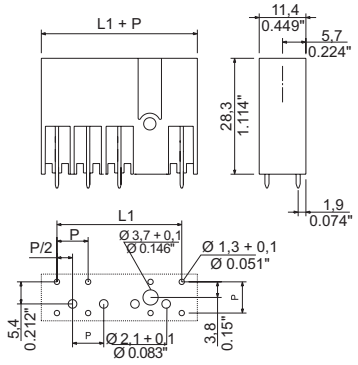
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	1048420000
4	30.48	1.200	48	1048530000
5	38.10	1.500	36	1048590000
6	45.72	1.800	30	1543210000

SV 7.62HP/../180MF4



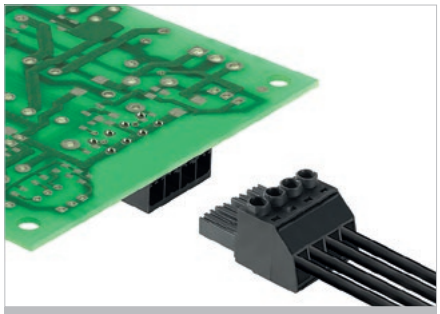
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	1464330000
5	38.10	1.500	36	1048600000
6	45.72	1.800	30	1048720000

SV 7.62HP/../270



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

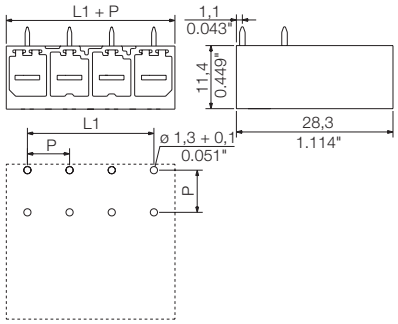
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../270G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

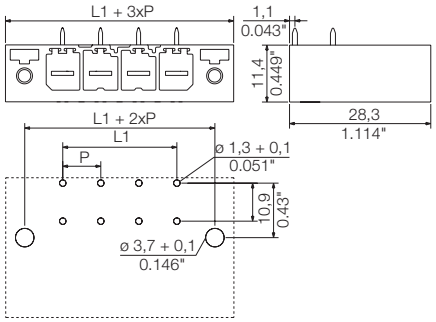
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	120	1931260000
3	15.24	0.600	78	1931270000
4	22.86	0.900	60	1931280000
5	30.48	1.200	48	1931290000
6	38.10	1.500	36	1931300000
7	45.72	1.800	30	1931310000
8	53.34	2.100	30	1931320000
9	60.96	2.400	24	1931330000
10	68.58	2.700	24	1931340000
11	76.20	3.000	18	1931350000
12	83.82	3.300	18	1931360000

SV 7.62HP/../270F



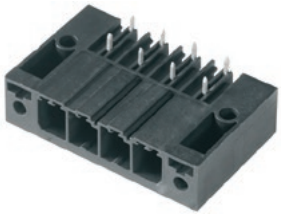
Dimensioned drawing



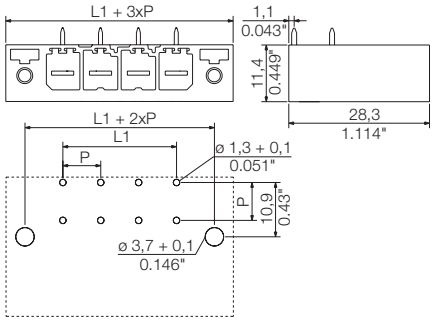
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1931370000
3	15.24	0.600	48	1931380000
4	22.86	0.900	36	1931390000
5	30.48	1.200	30	1931400000
6	38.10	1.500	30	1931410000
7	45.72	1.800	24	1931420000
8	53.34	2.100	24	1931430000
9	60.96	2.400	18	1931440000
10	68.58	2.700	18	1931450000
11	76.20	3.000	18	1931460000
12	83.82	3.300	12	1931470000

SV 7.62HP/../270SF



Dimensioned drawing

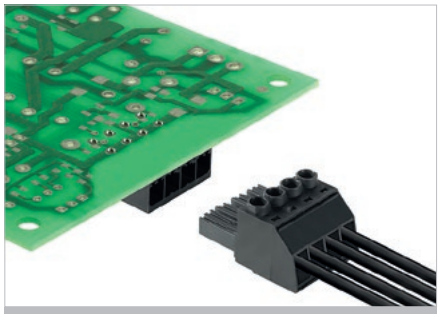


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	60	1931480000
3	15.24	0.600	48	1931490000
4	22.86	0.900	36	1931500000
5	30.48	1.200	30	1931510000
6	38.10	1.500	30	1931520000
7	45.72	1.800	24	1931530000
8	53.34	2.100	24	1931540000
9	60.96	2.400	18	1931550000
10	68.58	2.700	18	1931570000
11	76.20	3.000	18	1931580000
12	83.82	3.300	12	1931590000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SV 7.62HP/../270MF



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A
UL: 300 V / 40.5 A

72h

For additional articles and information, refer to eshop.weidmueller.com

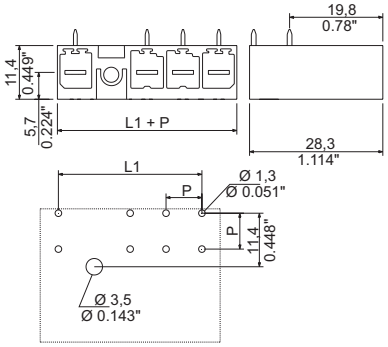
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../270MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

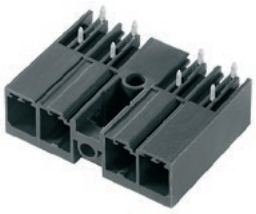
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

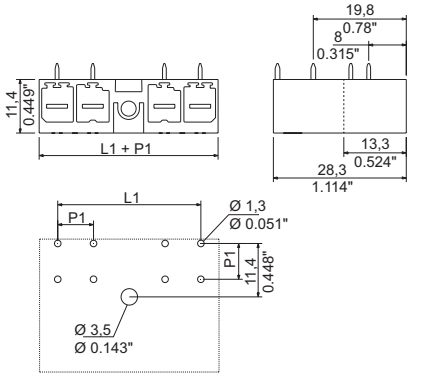
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	15.24	0.600	78	1048370000
3	22.86	0.900	60	1048450000
4	30.48	1.200	48	1464340000
5	38.10	1.500	36	1464350000
6	45.72	1.800	30	1543250000

SV 7.62HP/../270MF3



Dimensioned drawing



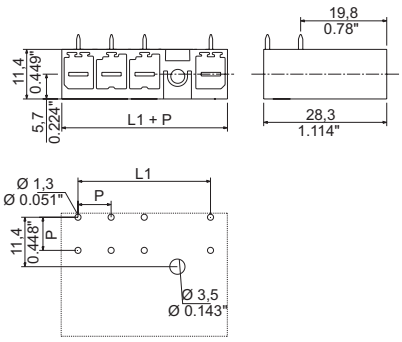
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	**1048460000**
4	30.48	1.200	48	**1048550000**
5	38.10	1.500	36	**1048640000**
6	45.72	1.800	30	**1543260000**

SV 7.62HP/../270MF4



Dimensioned drawing

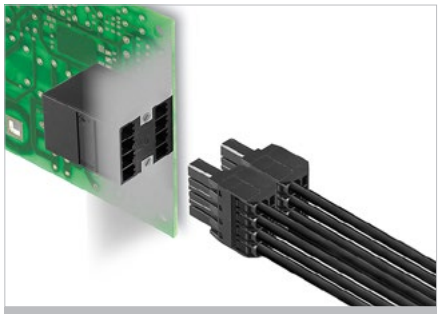


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	**1464360000**
5	38.10	1.500	36	**1048650000**
6	45.72	1.800	30	**1048740000**

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SVD 7.62HP/../270



Double-row high-current, high-performance pin headers, with or without flange, for fast, tool-free locking. Optimised for "book-size modules" measuring 50 mm wide and above. With integrated mounting option for mounting to the housing wall. Exceptional reliability and operational safety thanks to 100% failsafe mating profile, unique coding and optional additional screw mounting in the flange.

Product data

IEC: 1000 V / 47 A
UL: 300 V / 30 A

72h

For additional articles and information, refer to eshop.weidmueller.com

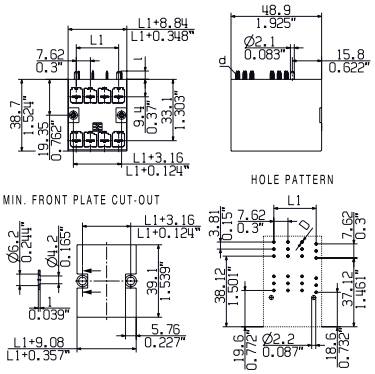
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVD 7.62HP/../270G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**47**		**42**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**30**	**30**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	300
Rated current	A	25	25	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.4	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000

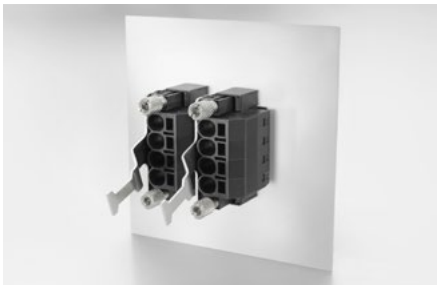
Ordering data

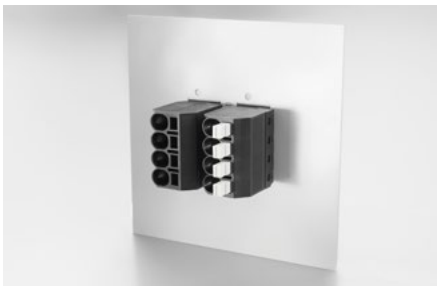
Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
4	7.62	0.300	60	1543290000
6	15.24	0.600	42	1543310000
8	22.86	0.900	30	1543320000
10	30.48	1.200	24	1543330000
12	38.10	1.500	21	1543340000

SVD 7.62HP/../270F

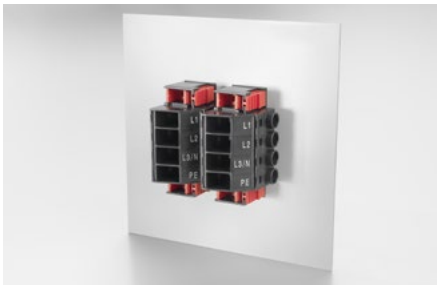


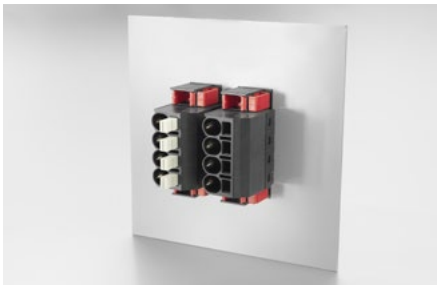




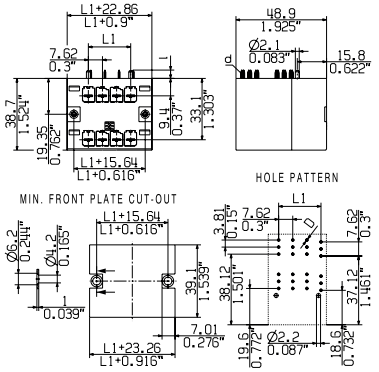








Dimensioned drawing

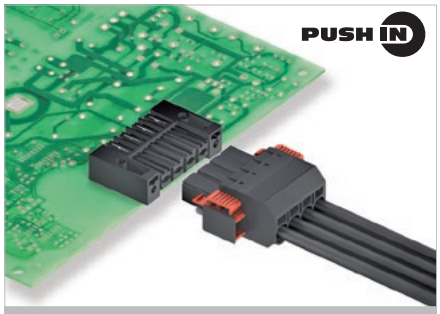


Ordering data

Solder pin length				3.2 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	7.62	0.300	33	1523940000
6	15.24	0.600	24	1523950000
8	22.86	0.900	21	1523970000
10	30.48	1.200	18	1523980000
12	38.10	1.500	15	1523990000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SVF 7.62HP/../180



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F) and a screw flange (SF).

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

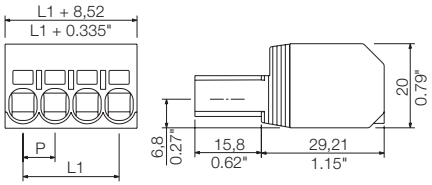
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**	**41**	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

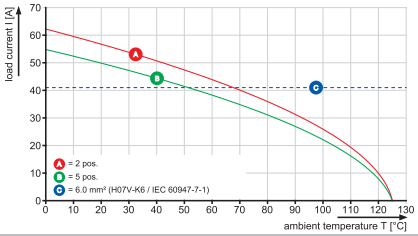
Colour **black**

Pitch **7.62 mm**

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	95	1060830000
3	15.24	0.600	65	1060840000

Representative deratings curve

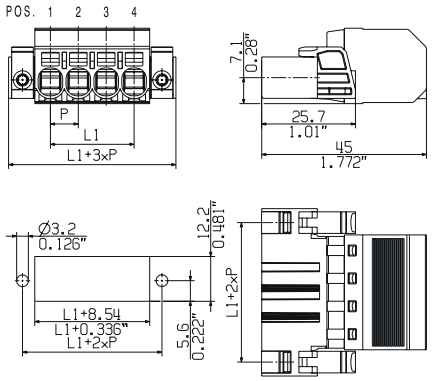
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVF 7.62HP/../180F



Dimensioned drawing



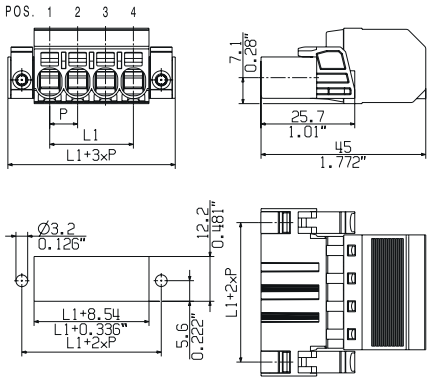
Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	**1060900000**
3	15.24	0.600	40	**1060910000**

SVF 7.62HP/../180SF



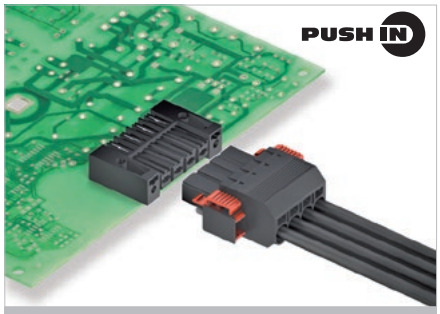
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	**1060950000**
3	15.24	0.600	40	**1060970000**

SVF 7.62HP/../180 I



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages for board-to-wire connections. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (FI) and a screw flange (SFI).

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

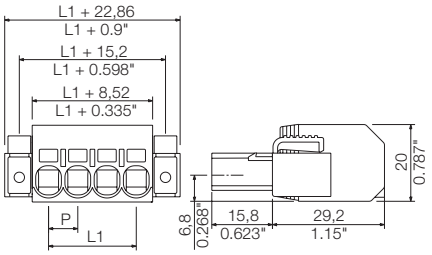
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180FI



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

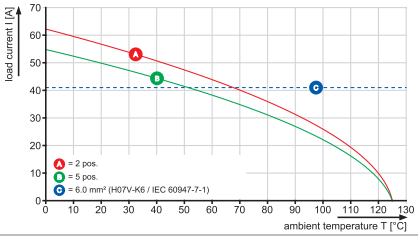
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1124750000
3	15.24	0.600	40	1124760000

Representative deratings curve

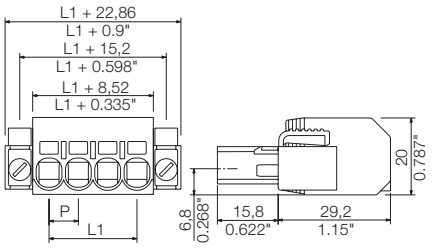
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVF 7.62HP/../180SFI



Dimensioned drawing

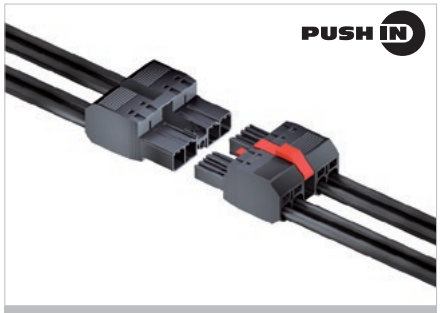


Ordering data

Solder pin length

Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	50	**1124810000**
3	15.24	0.600	40	**1124820000**

SVF 7.62HP/../180MF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange is available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

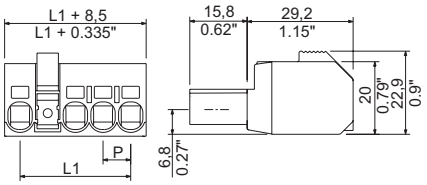
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

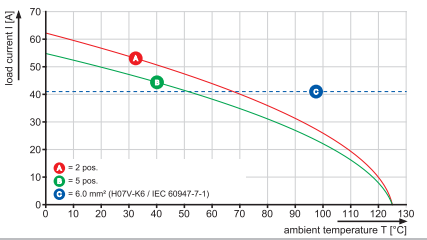
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	65	1061020000
3	22.86	0.900	50	1061030000

Representative deratings curve

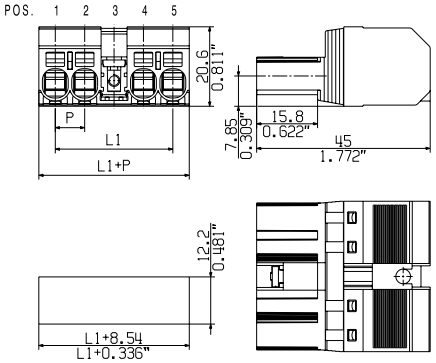
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVF 7.62HP/../180MF3



Dimensioned drawing



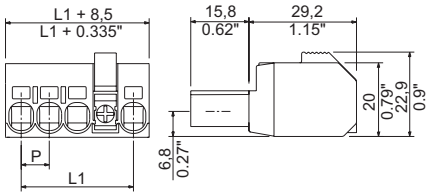
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	50	1061040000
4	30.48	1.200	40	1061050000

SVF 7.62HP/../180MF4



Dimensioned drawing

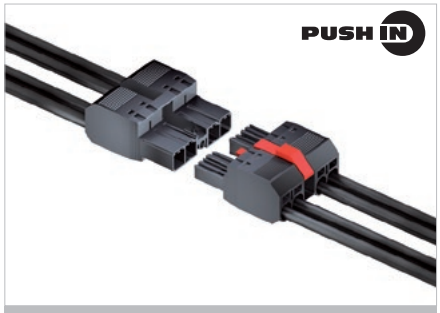


Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	40	1430030000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SVF 7.62HP/../180MSF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange is available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

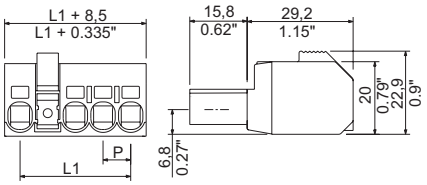
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180MSF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**	**41**	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

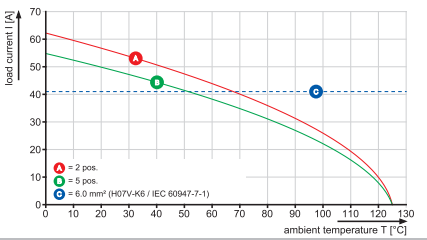
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	65	1061110000
3	22.86	0.900	50	1061120000

Representative deratings curve

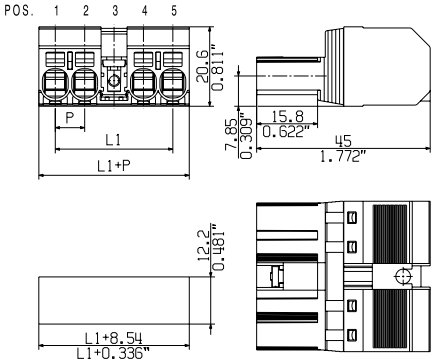
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVF 7.62HP/../180MSF3



Dimensioned drawing



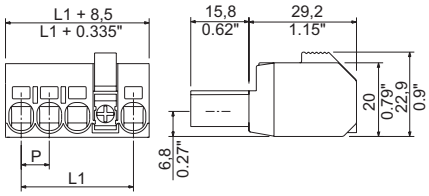
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	50	1061130000
4	30.48	1.200	40	1061140000

SVF 7.62HP/../180MSF4



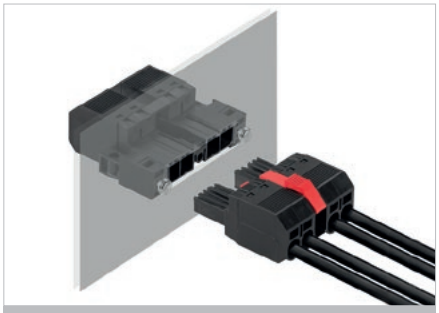
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	40	1430080000

SVF 7.62HP/../180



180° inverted male header featuring PUSH IN connection technology for field wiring in 6 mm² with a 7.62 pitch as a "three-flange variant" for enclosure feed-throughs. Suitable for enclosures with a max. wall thickness of 2 mm. Also a perfect finger-safe solution for reverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

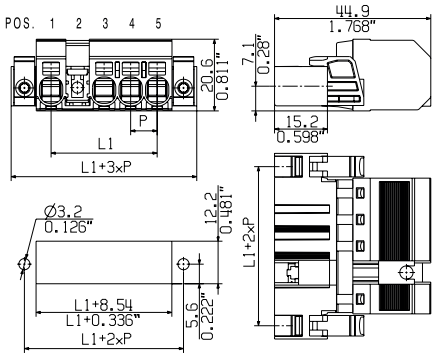
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180SFMF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000
Coupling set		
	SVF/BVF 7.62HP COUPLE SET	1440850000

Ordering data

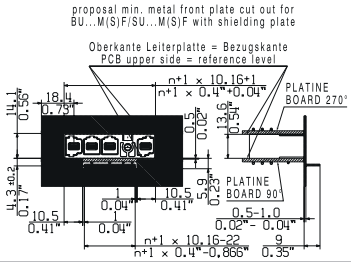
Solder pin length

Colour black

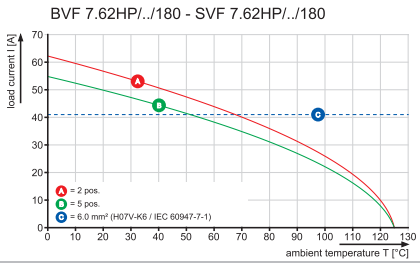
Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	40	1427220000
3	22.86	0.900	30	1427230000
4	30.48	1.200	25	1427250000

Representative dimensional drawing



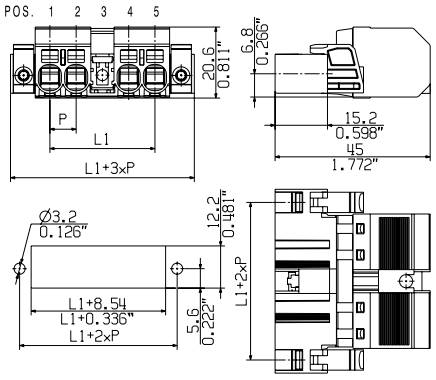
Representative deratings curve



SVF 7.62HP/../180SFMF3



Dimensioned drawing



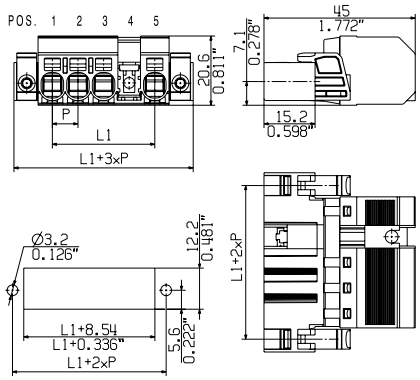
Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
3	22.86	0.900	30	**1427240000**
4	30.48	1.200	25	**1427260000**

SVF 7.62HP/../180SFMF4



Dimensioned drawing

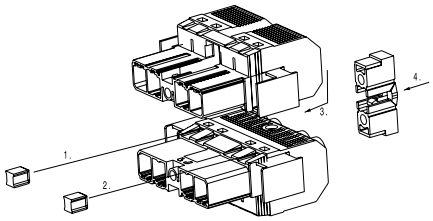


Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
4	30.48	1.200	25	**1427270000**

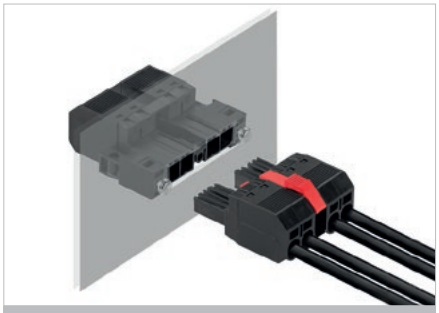
SVF/BCF 7.62HP COUPLE SET





With the aid of the SVF/BVF 7.62HP COUPLE SET the two plug-in elements can be connected back-to-back to form a 2-row connector with a maximum of 2 x 4 poles.

SVF 7.62HP/../180



180° inverted male header featuring PUSH IN connection technology for field wiring in 6 mm² with a 7.62 pitch as a "three-flange variant" for enclosure feed-throughs. Suitable for enclosures with a max. wall thickness of 16 mm. Also a perfect finger-safe solution for reverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

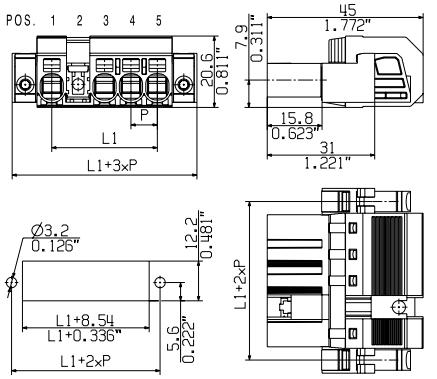
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVF 7.62HP/../180SFBMF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		6	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	**1937590000**
Screwdriver		
	SDS 0.8X4.5X125	**2749370000**
Pressing tool		
	PZ 6/5	**9011460000**
Coupling set		
	SVF/BVF 7.62HP COUPLE SET	**1440850000**

Ordering data

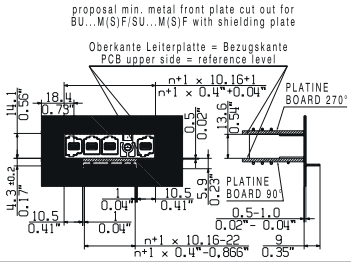
Solder pin length

Colour black

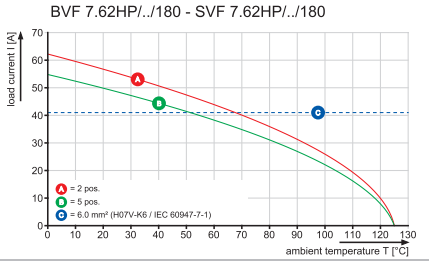
Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	40	**1429920000**
3	22.86	0.900	30	**1429930000**
4	30.48	1.200	25	**1429950000**

Representative dimensional drawing



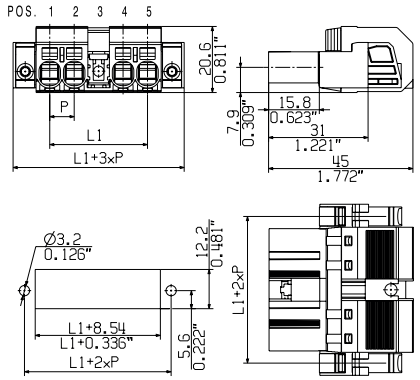
Representative deratings curve



SVF 7.62HP/../180SFBMF3



Dimensioned drawing



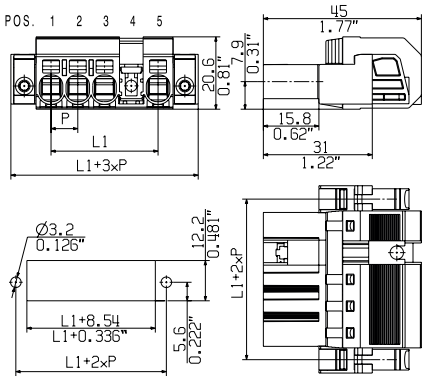
Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	30	1429940000
4	30.48	1.200	25	1429960000

SVF 7.62HP/../180SFBMF4



Dimensioned drawing

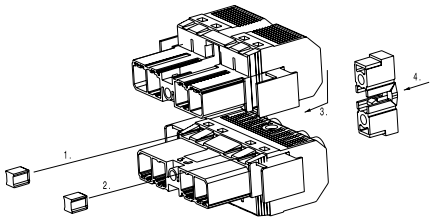


Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	25	1429970000

SVF/BCF 7.62HP COUPLE SET

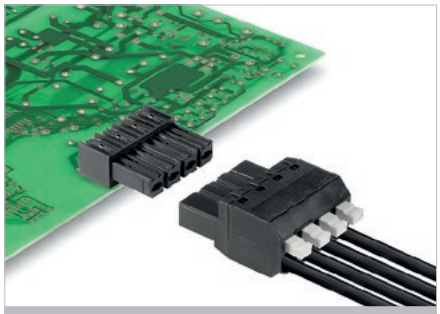




With the aid of the SVF/BVF 7.62HP COUPLE SET the two plug-in elements can be connected back-to-back to form a 2-row connector with a maximum of 2 x 4 poles.

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SVFL 7.62HP/../180



Male plug with 180° outlet direction and adjustable actuator (PUSHER) featuring PUSH IN spring connection technology for TNC(S) networks. Also perfect as a touch-safe solution for reverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability due to: derating up to 125°C, a 100 % pin arrangement that prevents wrong connections or wrong wiring, and unique coding diversity.

Variants: middle flange and middle screw flange mountings.

Product data

IEC: 1000 V / 41 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

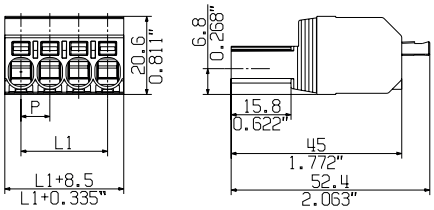
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVFL 7.62HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

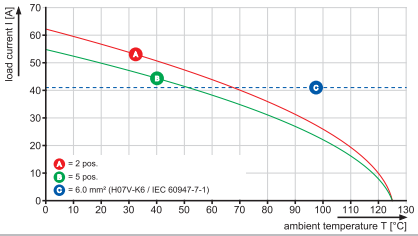
Colour **black**

Pitch **7.62 mm**

Pol.	L1	(inch)	Qty.	Order No.
4	22.86	0.900	60	1547550000

Representative deratings curve

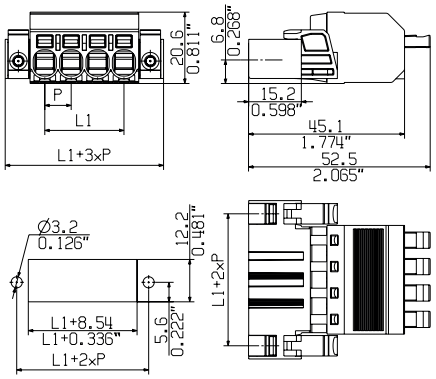
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVFL 7.62HP/../180F



Dimensioned drawing

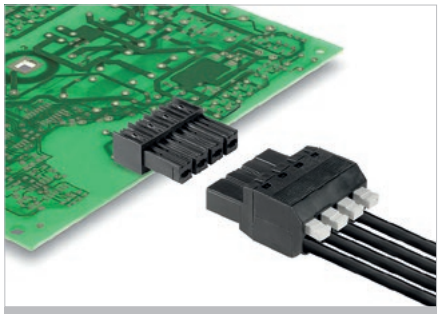


Ordering data

Solder pin length				
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	22.86	0.900	42	1547570000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

SVFL 7.62HP/../180MF



Male plug with 180° outlet direction and adjustable actuator (PUSHER) featuring PUSH IN spring connection technology for TNC(S) networks. Also perfect as a touch-safe solution for reverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability due to: derating up to 125°C, a 100 % pin arrangement that prevents wrong connections or wrong wiring, and unique coding diversity.

Variants: middle flange and middle screw flange mountings.

Product data

IEC: 1000 V / 41 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

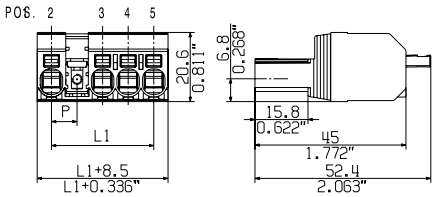
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVFL 7.62HP/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**800**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	36	36	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

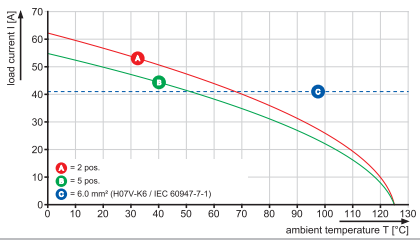
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	84	2630260000
3	22.86	0.900	60	2630420000
4	30.48	1.200	48	2630430000

Representative deratings curve

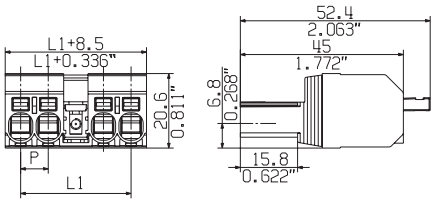
BVF 7.62HP/../180 - SVF 7.62HP/../180



SVFL 7.62HP/../180MF3



Dimensioned drawing



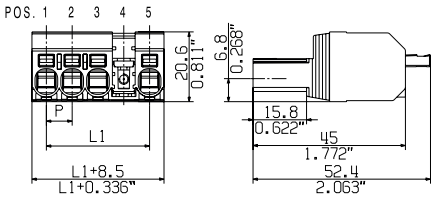
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	2630450000
4	30.48	1.200	48	1547580000

SVFL 7.62HP/../180MF4



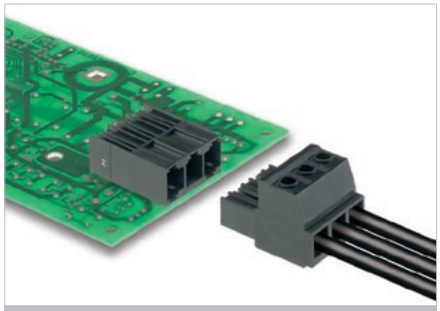
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	2630470000

BVZ 7.62HP/../180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F), screw flange (SF) and clip on screw flange (SFC)

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm²
UL: 600 V / 40.5 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

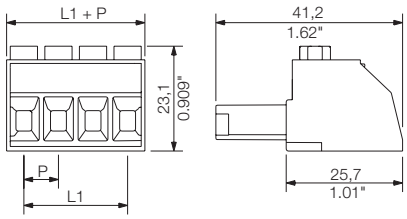
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...10		
Solid core H05(07) V-U	**mm²**	**0.2...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.2...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**57**		**51**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	V	8	8	6000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	40.5	40.5	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Strain relief		
	BV/SV 7.62HP/02 ZE GR	1937550000
	BV/SV 7.62HP/04 ZE GR	1937560000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
	SDK PH1 X 80	2749410000

Ordering data

Solder pin length

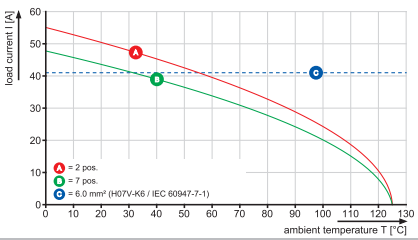
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929930000
3	15.24	0.600	100	1929940000
4	22.86	0.900	100	1929950000
5	30.48	1.200	50	1929960000
6	38.10	1.500	50	1929970000
7	45.72	1.800	25	1929980000
8	53.34	2.100	25	1929990000
9	60.96	2.400	20	1930000000
10	68.58	2.700	20	1930020000
11	76.20	3.000	50	1930030000
12	83.82	3.300	15	1930040000

Representative deratings curve

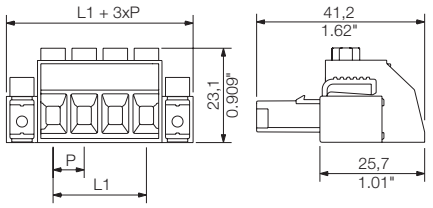
BVZ 7.62HP/../180 - SV 7.62HP/../90



BVZ 7.62HP/../180F



Dimensioned drawing



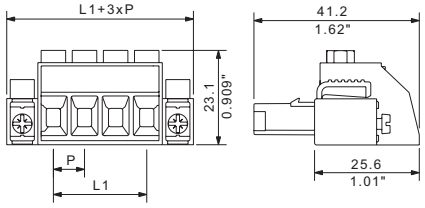
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1930050000
3	15.24	0.600	100	1930060000
4	22.86	0.900	100	1930070000
5	30.48	1.200	50	1930080000
6	38.10	1.500	50	1930090000
7	45.72	1.800	50	1930100000
8	53.34	2.100	50	1930110000
9	60.96	2.400	50	1930120000
10	68.58	2.700	50	1930130000
11	76.20	3.000	50	1930140000
12	83.82	3.300	10	1930150000

BVZ 7.62HP/../180SF



Dimensioned drawing



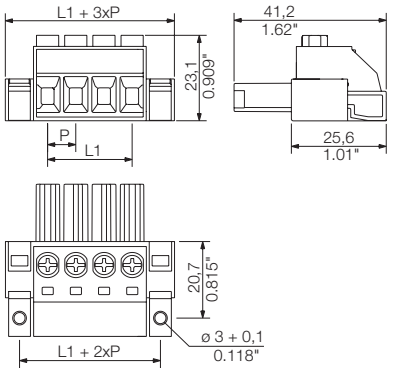
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1930160000
3	15.24	0.600	100	1930170000
4	22.86	0.900	100	1930180000
5	30.48	1.200	50	1930190000
6	38.10	1.500	50	1930200000
7	45.72	1.800	50	1930210000
8	53.34	2.100	50	1930220000
9	60.96	2.400	50	1930230000
10	68.58	2.700	50	1930240000
11	76.20	3.000	50	1930250000
12	83.82	3.300	50	1930260000

BVZ 7.62HP/../180SFC



Dimensioned drawing

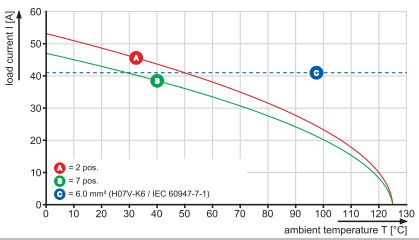


Ordering data

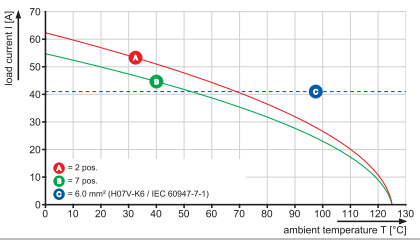
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929740000
3	15.24	0.600	100	1929750000
4	22.86	0.900	100	1929760000
5	30.48	1.200	50	1929770000
6	38.10	1.500	50	1929780000
7	45.72	1.800	50	1929790000

Additional deratings curves

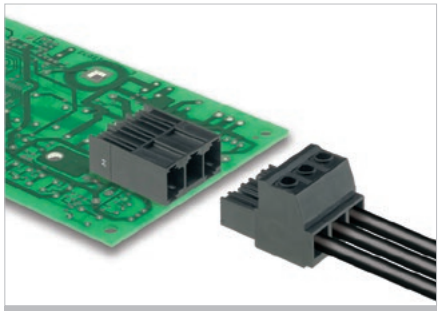
BVZ 7.62HP/../180 - SV 7.62HP/../180



BVZ 7.62HP/../180 - SVZ 7.62HP/../180



BVZ 7.62HP/../180RSH



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm²
UL: 600 V / 40.5 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

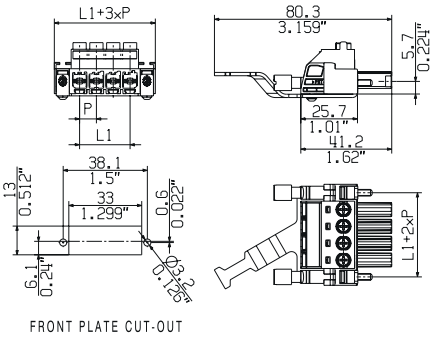
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62HP/../180RSH150



Dimensioned drawing



FRONT PLATE CUT-OUT

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...10		
Solid core H05(07) V-U	**mm²**	**0.2...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.2...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**57**	**51**	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	V	8	8	6000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	40.5	40.5	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
	SDK PH1 X 80	2749410000

Ordering data

Solder pin length

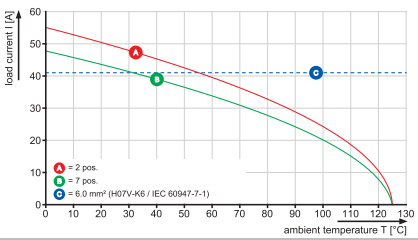
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1929850000
4	22.86	0.900	24	1929860000
5	30.48	1.200	25	1929870000
6	38.10	1.500	25	1929880000

Representative deratings curve

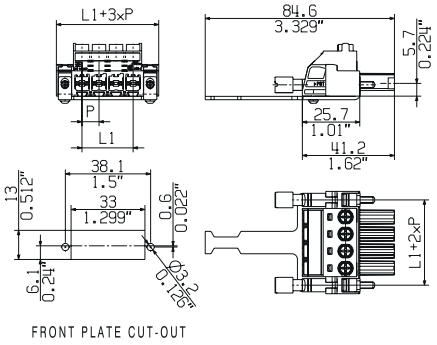
BVZ 7.62HP/../180 - SV 7.62HP/../90



BVZ 7.62HP/../180RSH180



Dimensioned drawing



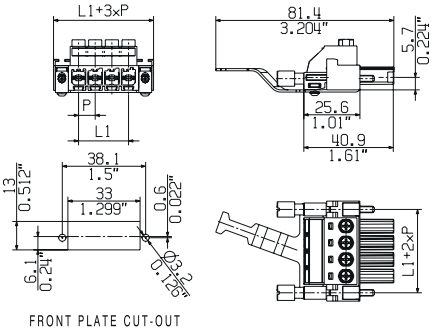
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933340000
4	22.86	0.900	24	1933350000
5	30.48	1.200	25	1933360000
6	38.10	1.500	25	1933370000

BVZ 7.62HP/../180RSH210



Dimensioned drawing

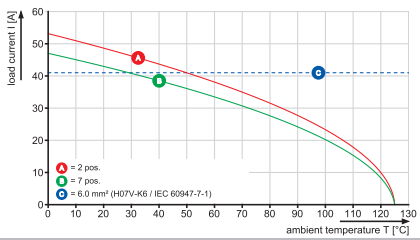


Ordering data

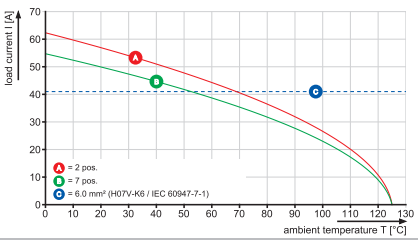
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933430000
4	22.86	0.900	24	1933440000
5	30.48	1.200	25	1933450000
6	38.10	1.500	25	1933460000

Additional deratings curves

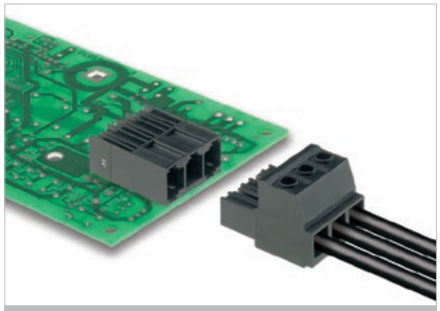
BVZ 7.62HP/../180 - SV 7.62HP/../180



BVZ 7.62HP/../180 - SVZ 7.62HP/../180



BVZ 7.62HP/../180SH C



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with shield in three different orientations.

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm²
UL: 600 V / 40.5 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

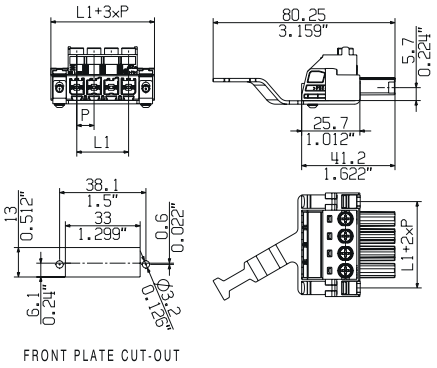
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62HP/../180SH150C



Dimensioned drawing



FRONT PLATE CUT-OUT

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...10		
Solid core H05(07) V-U	**mm²**	**0.2...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.2...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	**A**	**57**		**51**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	V	8	8	6000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**40.5**	**40.5**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	40.5	40.5	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
	SDK PH1 X 80	2749410000

Ordering data

Solder pin length

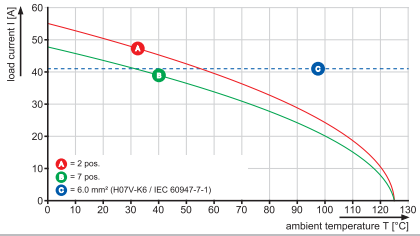
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1929890000
4	22.86	0.900	25	1929900000
5	30.48	1.200	25	1929910000
6	38.10	1.500	25	1929920000

Representative deratings curve

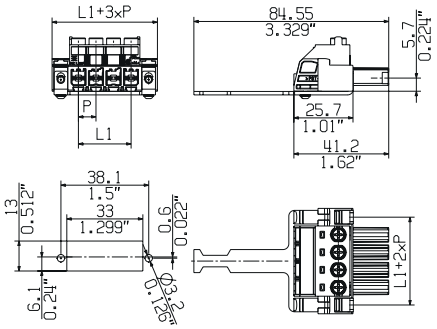
BVZ 7.62HP/../180 - SV 7.62HP/../90



BVZ 7.62HP/../180SH180C



Dimensioned drawing



FRONT PLATE CUT-OUT

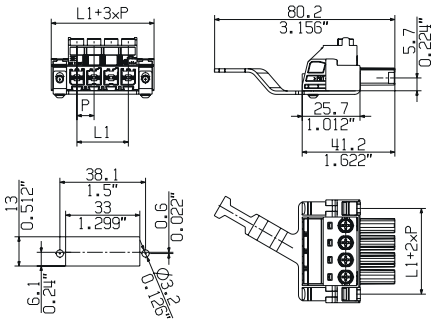
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933380000
4	22.86	0.900	25	1933390000
5	30.48	1.200	25	1933400000
6	38.10	1.500	25	1933410000

BVZ 7.62HP/../180SH210C



Dimensioned drawing



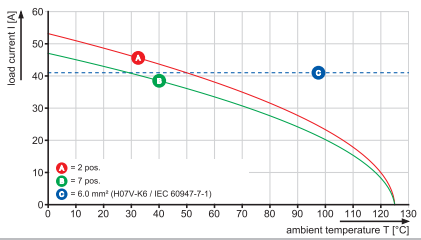
FRONT PLATE CUT-OUT

Ordering data

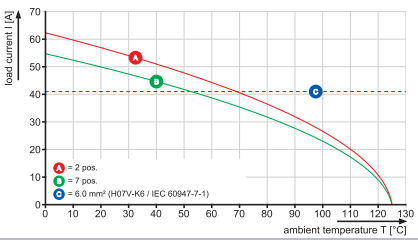
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	15.24	0.600	50	1933470000
4	22.86	0.900	25	1933480000
5	30.48	1.200	25	1933490000
6	38.10	1.500	25	1933500000

Additional deratings curves

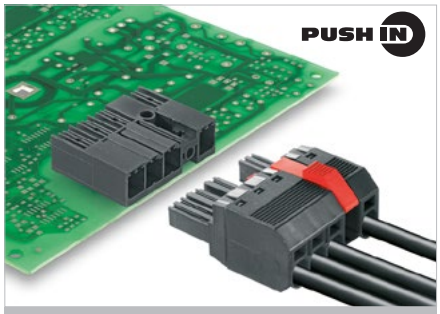
BVZ 7.62HP/../180 - SV 7.62HP/../180



BVZ 7.62HP/../180 - SVZ 7.62HP/../180



BVF 7.62HP/../180



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Available with a flange (F), screw flange (SF) and middle flange (MF).

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

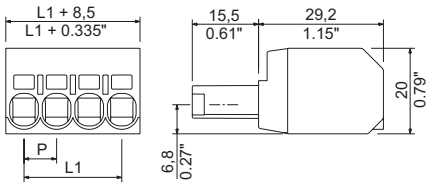
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...10		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**57**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

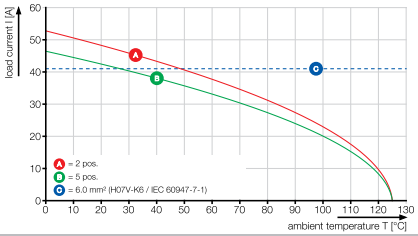
Colour **black**

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	95	1060390000
3	15.24	0.600	65	1060400000
4	22.86	0.900	45	1060410000
5	30.48	1.200	40	1060420000

Representative deratings curve

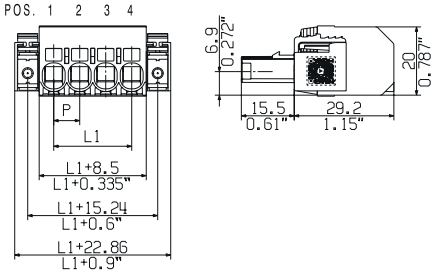
BVF 7.62HP/../180 - SV 7.62HP/../90



BVF 7.62HP/../180F



Dimensioned drawing



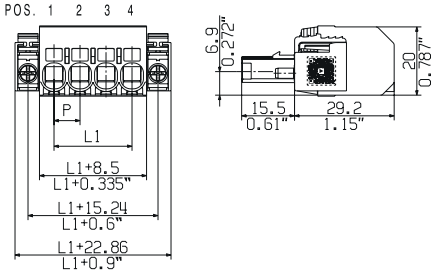
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1060440000
3	15.24	0.600	40	1060450000
4	22.86	0.900	30	1060470000
5	30.48	1.200	25	1060480000
6	38.10	1.500	25	1060490000

BVF 7.62HP/../180SF



Dimensioned drawing

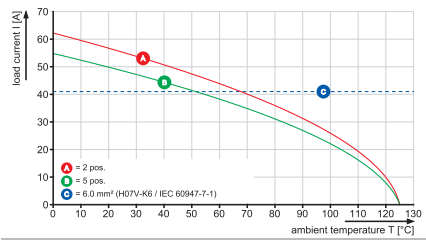


Ordering data

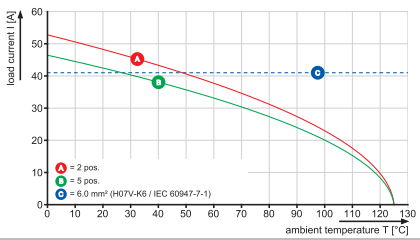
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	1060500000
3	15.24	0.600	40	1060510000
4	22.86	0.900	30	1060520000
5	30.48	1.200	25	1060530000
6	38.10	1.500	25	1060540000

Additional deratings curves

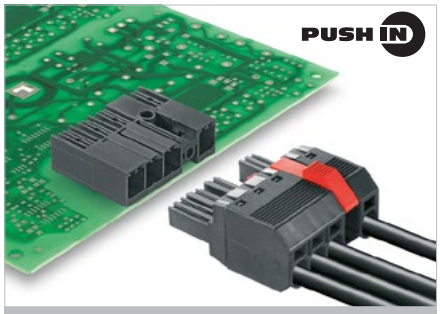
BVF 7.62HP/../180 - SVF 7.62HP/../180



BVF 7.62HP/../180 - SV 7.62HP/../270



BVF 7.62HP/../180MF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

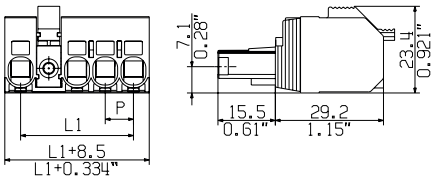
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...10		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**		**57**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000
Coupling set		
	SVF/BVF 7.62HP COUPLE SET	1440850000

Ordering data

Solder pin length

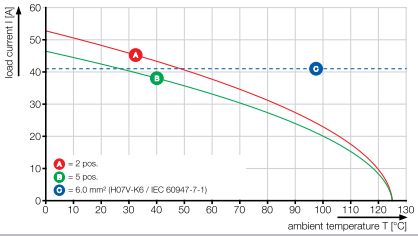
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	65	1060550000
3	22.86	0.900	50	1060570000
4	30.48	1.200	40	1430120000
5	38.10	1.500	30	1430130000
6	45.72	1.800	25	2629920000

Representative deratings curve

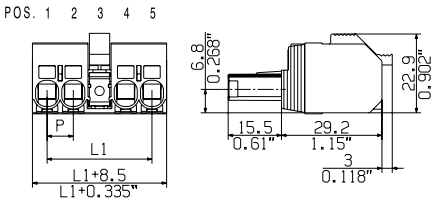
BVF 7.62HP/../180 - SV 7.62HP/../90



BVF 7.62HP/../180MF3



Dimensioned drawing



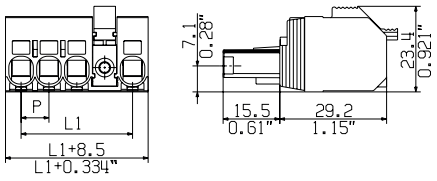
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	50	1060580000
4	30.48	1.200	40	1060590000
5	38.10	1.500	30	1060600000
6	45.72	1.800	25	2630270000

BVF 7.62HP/../180MF4



Dimensioned drawing

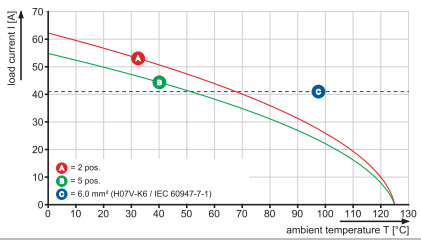


Ordering data

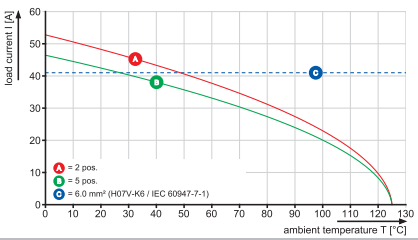
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	40	1430140000
5	38.10	1.500	30	1060610000
6	45.72	1.800	25	1060620000

Additional deratings curves

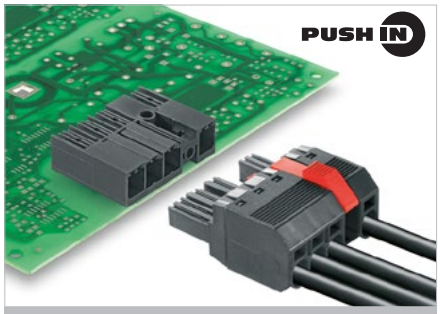
BVF 7.62HP/../180 - SVF 7.62HP/../180



BVF 7.62HP/../180 - SV 7.62HP/../270



BVF 7.62HP/../180MSF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

- Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

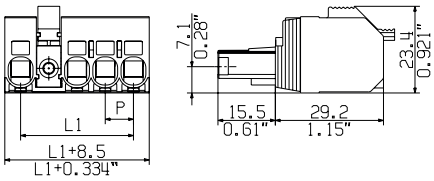
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...10		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...10		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**57**	**57**	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000
Coupling set		
	SVF/BVF 7.62HP COUPLE SET	1440850000

Ordering data

Solder pin length

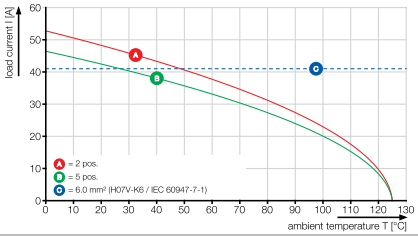
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	65	1060630000
3	22.86	0.900	50	1060640000
4	30.48	1.200	40	1430090000
5	38.10	1.500	30	1430100000

Representative deratings curve

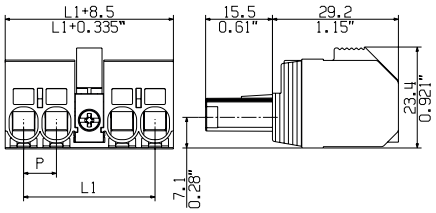
BVF 7.62HP/../180 - SV 7.62HP/../90



BVF 7.62HP/../180MSF3



Dimensioned drawing



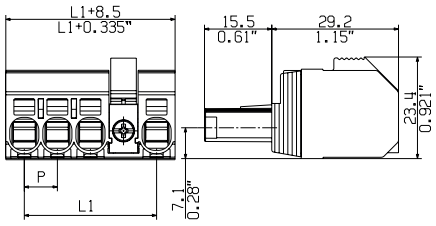
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	50	1060650000
4	30.48	1.200	40	1060670000
5	38.10	1.500	30	1060680000
6	45.72	1.800	25	2630320000

BVF 7.62HP/../180MSF4



Dimensioned drawing

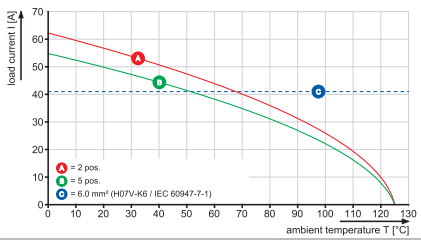


Ordering data

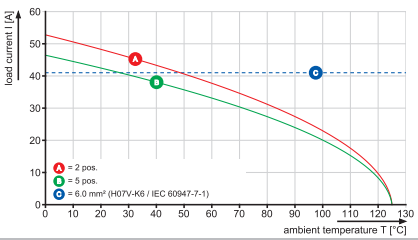
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	40	1430110000
5	38.10	1.500	30	1060690000
6	45.72	1.800	25	1060700000

Additional deratings curves

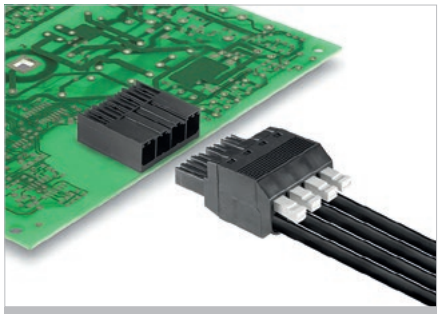
BVF 7.62HP/../180 - SVF 7.62HP/../180



BVF 7.62HP/../180 - SV 7.62HP/../270



BVFL 7.62HP/../180



Female plug with 180° outlet direction, adjustable actuator (pusher) and PUSH IN spring connection technology for TNC(S) networks.
Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, unique coding diversity and a pin arrangement that ensures failsafe insertion.

Variants: flange, screw flange, middle flange and middle screw flange mounting.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

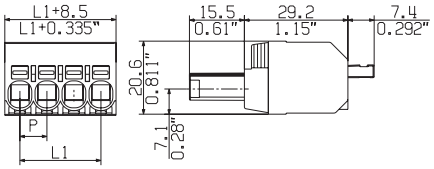
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²		6	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**		**24-8**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG		24-8	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

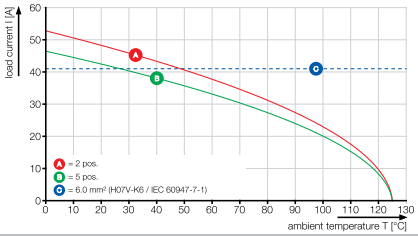
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	120	2548870000
3	15.24	0.600	84	2548880000
4	22.86	0.900	60	1547520000
5	30.48	1.200	48	2548890000

Representative deratings curve

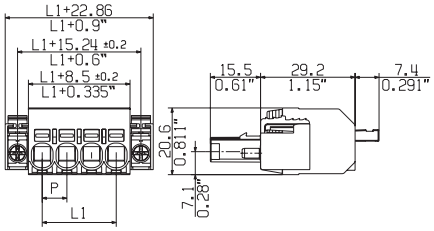
BVF 7.62HP/../180 - SV 7.62HP/../90



BVFL 7.62HP/../180F



Dimensioned drawing

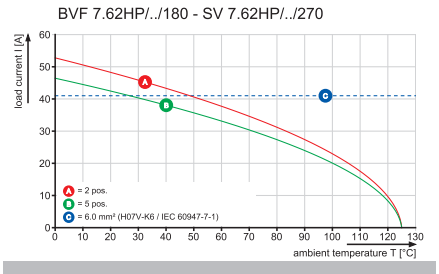


Ordering data

Solder pin length

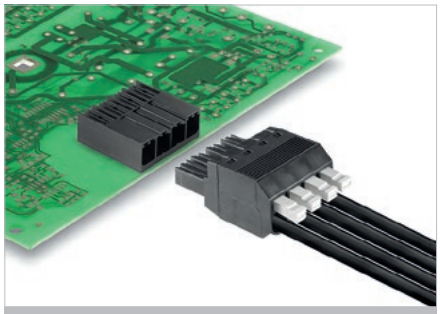
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	7.62	0.300	66	**2549280000**
3	15.24	0.600	48	**2549340000**
4	22.86	0.900	42	**1547530000**
5	30.48	1.200	36	**2549350000**

Additional deratings curves



Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

BVFL 7.62HP/../180MF



Female plug with 180° outlet direction, adjustable actuator (pusher) and PUSH IN spring connection technology for TNC(S) networks.
Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, unique coding diversity and a pin arrangement that ensures failsafe insertion.

Variants: flange, screw flange, middle flange and middle screw flange mounting.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm²
UL: 600 V / 39 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

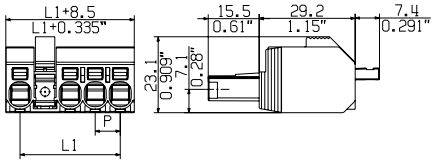
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**41**	**41**	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**39**	**39**	**5**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	33	33	5
AWG conductor	AWG	24-8		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.8X4.5X125	2749370000
Pressing tool		
	PZ 6/5	9011460000
Coupling set		
	SVF/BVF 7.62HP COUPLE SET	1440850000

Ordering data

Solder pin length

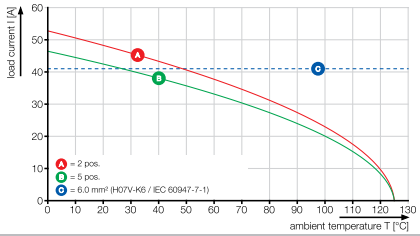
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	15.24	0.600	84	2549300000
3	22.86	0.900	60	2549360000
4	30.48	1.200	48	2630700000
5	38.10	1.500	42	2630710000
6	45.72	1.800	36	2630720000

Representative deratings curve

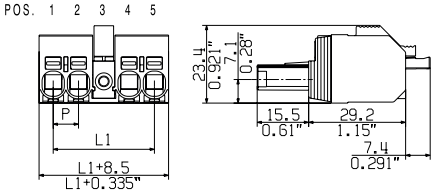
BVF 7.62HP/../180 - SV 7.62HP/../90



BVFL 7.62HP/../180MF3



Dimensioned drawing



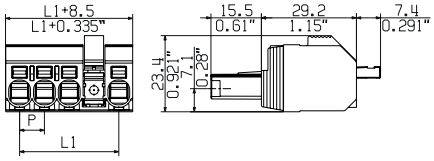
Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
3	22.86	0.900	60	2549370000
4	30.48	1.200	48	1547540000
5	38.10	1.500	42	2549380000
6	45.72	1.800	36	2630730000

BVFL 7.62HP/../180MF4



Dimensioned drawing

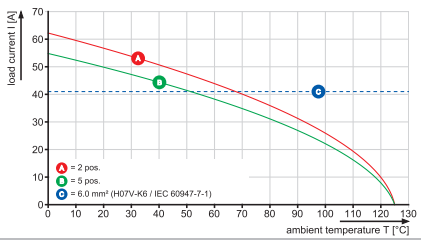


Ordering data

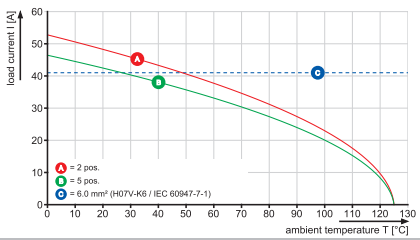
Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	30.48	1.200	48	2630740000
5	38.10	1.500	42	2549390000

Additional deratings curves

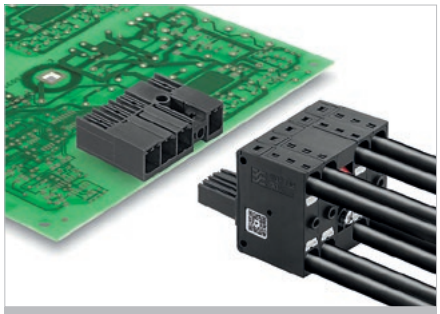
BVF 7.62HP/../180 - SVF 7.62HP/../180



BVF 7.62HP/../180 - SV 7.62HP/../270



BVDF 7.62HP 180



Bus connector with two connections per pole with the time-saving 6mm² PUSH IN connection system.

- The extremely short cross-connection allows you to safely loop through bus currents.
- PUSH IN connection: Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Product data

IEC: 600 V / 46 A / 0.5 - 10 mm²
UL: 600 V / 35 A / AWG 24 - 8

72h

For additional articles and information, refer to eshop.weidmueller.com

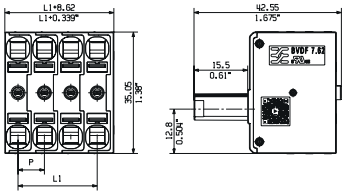
Note:

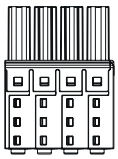
- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVDF 7.62HP/.../180



Dimensioned drawing





Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R		...6		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...		
Stripping length	mm	12		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**46**	**41**	
At ambient temperature		20°C	40°C	
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**600**	**600**	**600**
Rated impulse voltage	V	6	6	4000
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**35**	**35**	**35**
AWG conductor	**AWG**	**24-8**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V			
Rated current	A			
AWG conductor	AWG	-		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

Solder pin length

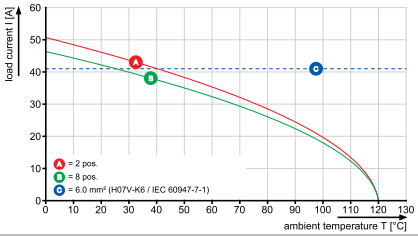
Colour black

Pitch 7.62 mm

Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	57	2719370000
3	15.24	0.600	39	2720430000
4	22.86	0.900	30	2720440000
5	30.48	1.200	24	2720450000
6	38.10	1.500	18	2720460000
7	45.62	1.800	15	2720470000
8	53.34	2.100	15	2720480000

Representative deratings curve

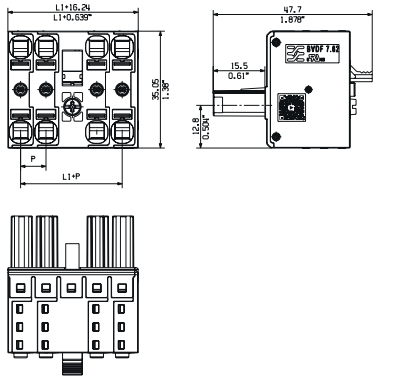
BVDF 7.62HP/../180 - SV 7.62HP/../90



BVDF 7.62HP/.../180SF



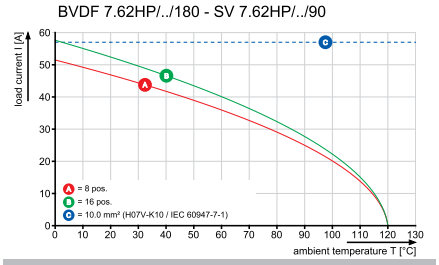
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	30	2719380000
3	15.24	0.600	24	2720490000
4	22.86	0.900	21	2720500000
5	30.48	1.200	18	2720510000
6	38.10	1.500	15	2720520000
7	45.72	1.800	12	2720530000
8	53.34	2.100	12	2720540000

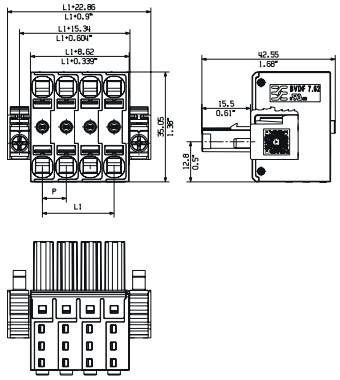
Additional deratings curves



BVDF 7.62HP/.../180MSF



Dimensioned drawing

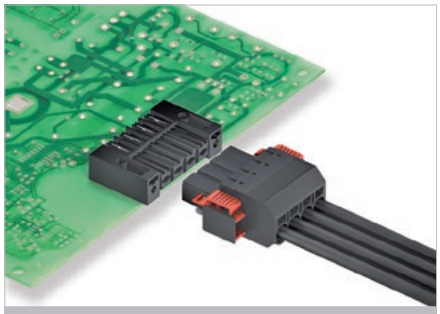


Ordering data

Solder pin length				
Colour				black
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	39	2720560000
3	15.24	0.600	30	2720570000
4	22.86	0.900	24	2720580000
5	30.48	1.200	18	2720590000
6	38.10	1.500	15	2720600000
7	45.72	1.800	15	2720610000
8	53.34	2.100	12	2720620000

Connectors pitch 7.62 mm
BV/SV 7.62 series - connection up to 6 mm²

BVL 7.62HP/../90



Touch-safe female header with 90° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A
UL: 300 V / 35 A

72h

For additional articles and information, refer to eshop.weidmueller.com

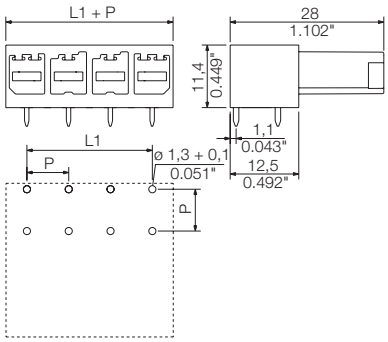
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVL 7.62HP/../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**56.8**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

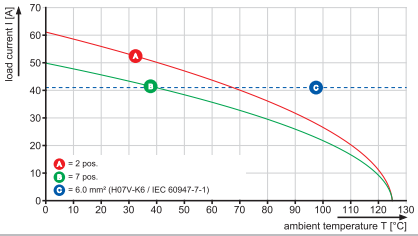
Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	100	1928280000
3	15.24	0.600	100	1928290000
4	22.86	0.900	100	1928300000

Representative deratings curve

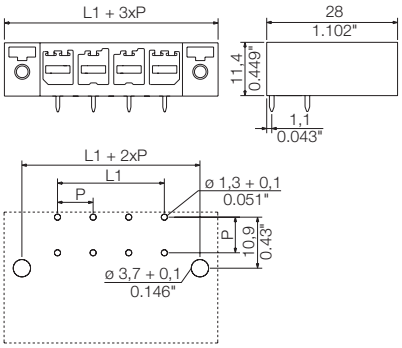
BVL 7.62HP/../90 - SVZ 7.62HP/../180



BVL 7.62HP/../90FI



Dimensioned drawing



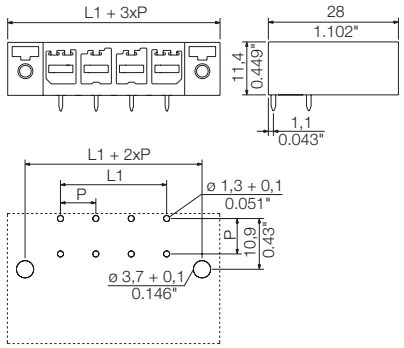
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928390000
3	15.24	0.600	100	1928400000
4	22.86	0.900	100	1928410000

BVL 7.62HP/../90SFI



Dimensioned drawing

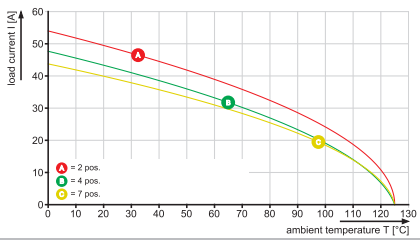


Ordering data

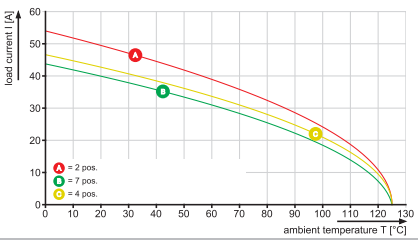
Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928500000
3	15.24	0.600	100	1928510000
4	22.86	0.900	100	1928520000

Additional deratings curves

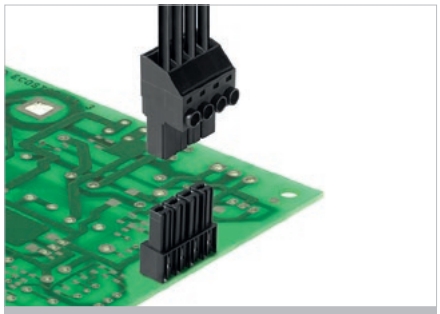
BVL 7.62HP/../90 - SV 7.62HP/../180



BVL 7.62HP/../90 - SV 7.62HP/../90



BVL 7.62HP/../180



Touch-safe female header with 180° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Characteristics: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fixing and integral positioning aid.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A
UL: 300 V / 42 A

72h

For additional articles and information, refer to eshop.weidmueller.com

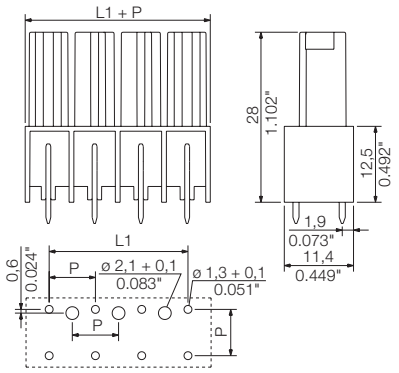
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVL 7.62HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**56.8**	**41**	
At ambient temperature		20°C	40°C	
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**42**	**42**	**5**
AWG conductor	**AWG**	-		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG	-		
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.8 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

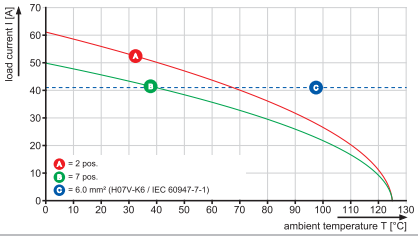
Coding		Order No.
	BV/SV 7.62HP KO	1937590000
Protection against twisting		
	VDS180 SV7.62	1853940000

Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	100	1928610000
3	15.24	0.600	100	1928620000
4	22.86	0.900	100	1928630000

Representative deratings curve

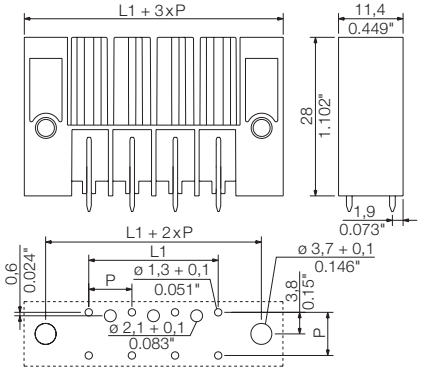
BVL 7.62HP/../180 - SVZ 7.62HP/../180



BVL 7.62HP/../180FI



Dimensioned drawing



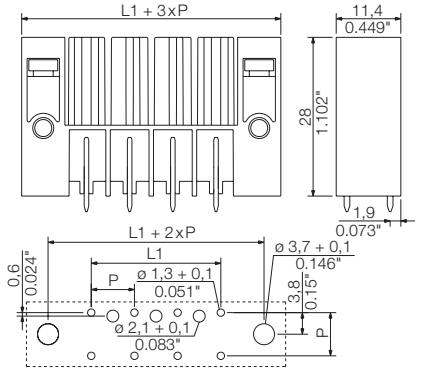
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928730000
3	15.24	0.600	100	1928740000
4	22.86	0.900	100	1928750000

BVL 7.62HP/../180SFI



Dimensioned drawing

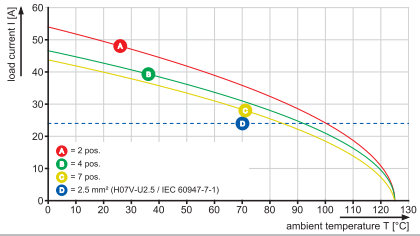


Ordering data

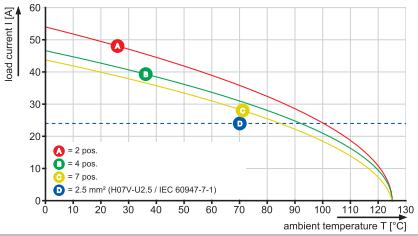
Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1928840000
3	15.24	0.600	100	1928850000
4	22.86	0.900	100	1928860000

Additional deratings curves

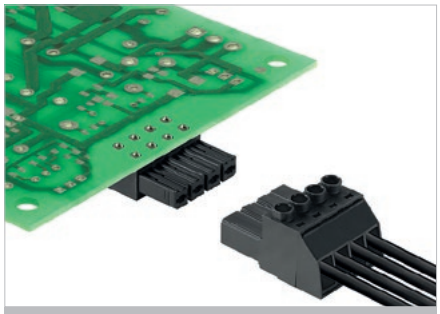
BVL 7.62HP/../180 - SV 7.62HP/../180



BVL 7.62HP/../180 - SV 7.62HP/../90



BVL 7.62HP/../270



Finger-safe female header with 270° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A
UL: 300 V / 35 A

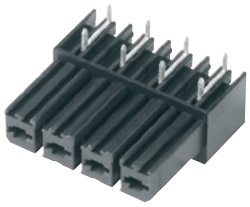
72h

For additional articles and information, refer to eshop.weidmueller.com

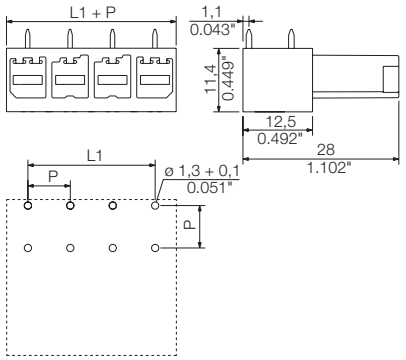
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVL 7.62HP/../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**56.8**		**41**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**630**	**630**	**1000**
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**35**	**35**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	35	35	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			tinned	
Pin dimensions = d	mm		0.8 x 1.0	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

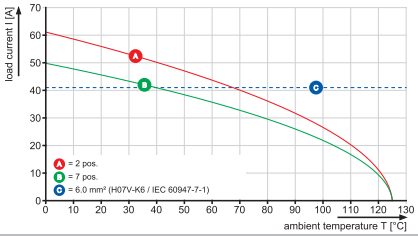
Coding		Order No.
	BV/SV 7.62HP KO	1937590000

Ordering data

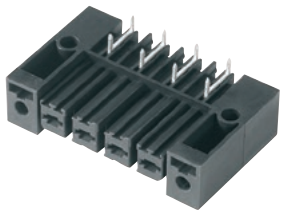
Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	7.62	0.300	100	1929300000
3	15.24	0.600	100	1929310000
4	22.86	0.900	100	1929320000

Representative deratings curve

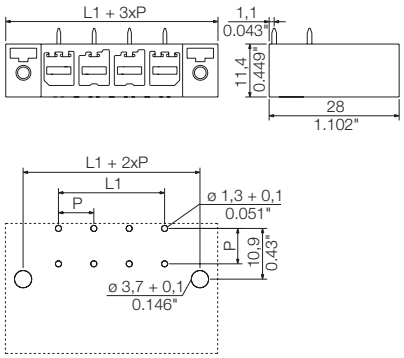
BVL 7.62HP/../270 - SVZ 7.62HP/../180



BVL 7.62HP/../270FI



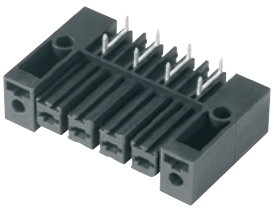
Dimensioned drawing



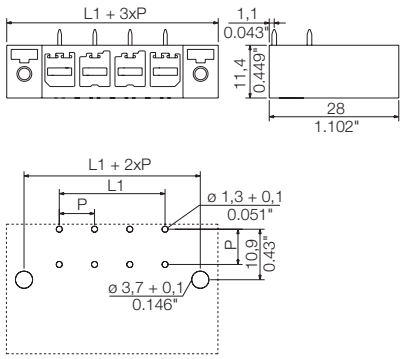
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929410000
3	15.24	0.600	100	1929420000
4	22.86	0.900	100	1929430000

BVL 7.62HP/../270SFI



Dimensioned drawing

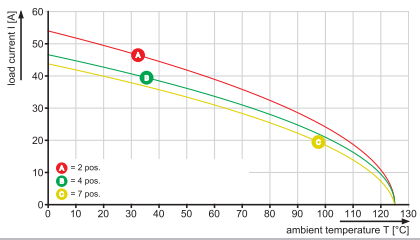


Ordering data

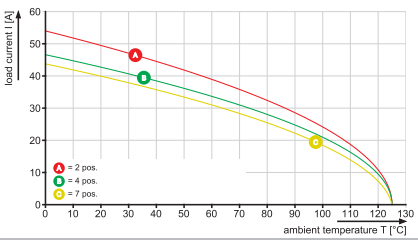
Solder pin length				3.5 mm
Colour				black
Pitch	**7.62 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1929520000
3	15.24	0.600	100	1929530000
4	22.86	0.900	100	1929540000

Additional deratings curves

BVL 7.62HP/../270 - SV 7.62HP/../180



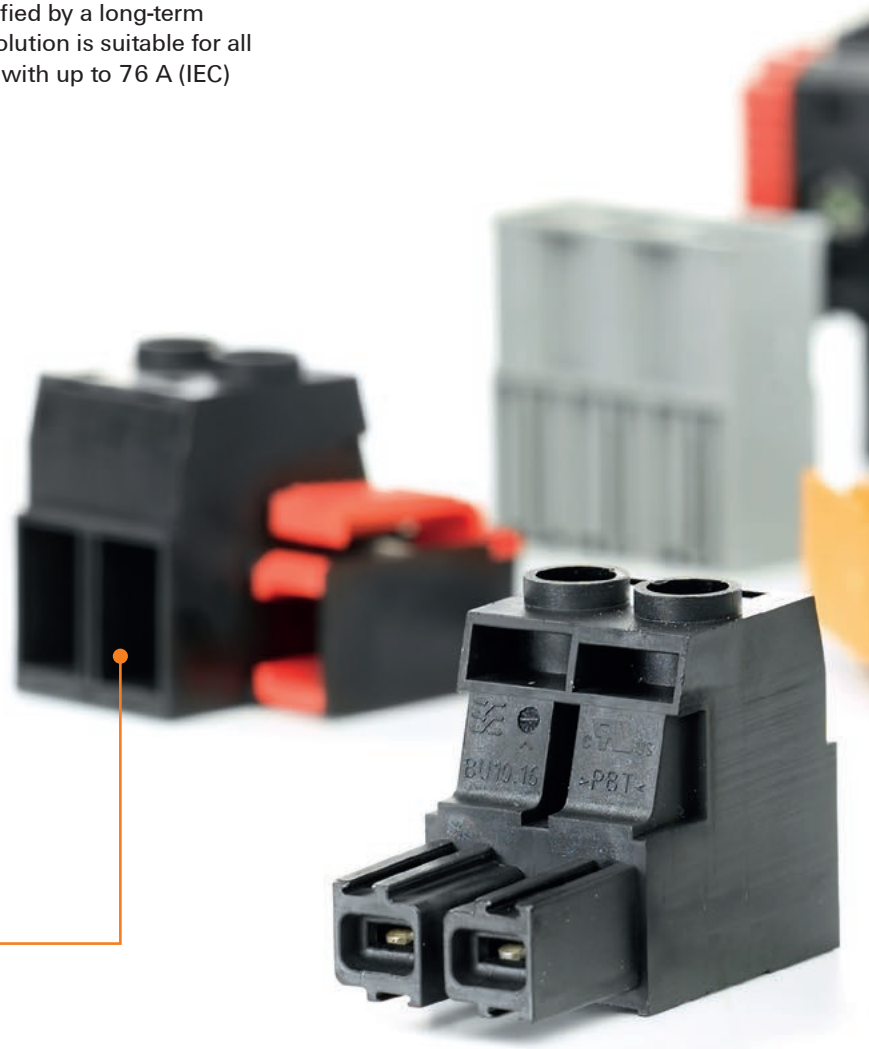
BVL 7.62HP/../270 - SV 7.62HP/../90



Increased current for better performance

The top class in the OMNIMATE® Power SU / BUZ 10.16HP connector system features a very durable contact system which makes it a pluggable power transmission solution with maximum load reserves.

HP stands for High Performance – performance exemplified by a long-term usage temperature of 120 °C. This custom, pluggable solution is suitable for all applications that must meet 600 V UL or 1,000 V (IEC) with up to 76 A (IEC) and 54 A (UL).

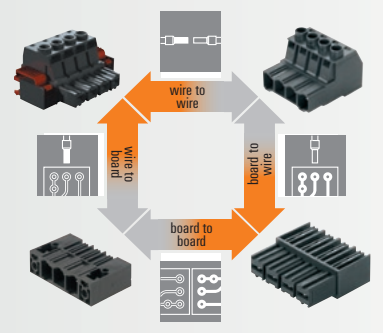


Compact reliability
Silver-plated contacts with stainless-steel top springs can tolerate short-circuit currents of 1,000 A for one second. Weidmüller´s classic clamping yoke features a plus-minus screw and is protected against under insertion. It ensures a long-term, reliable connection.

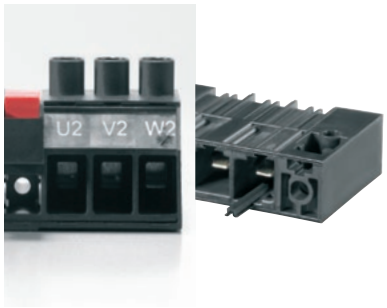




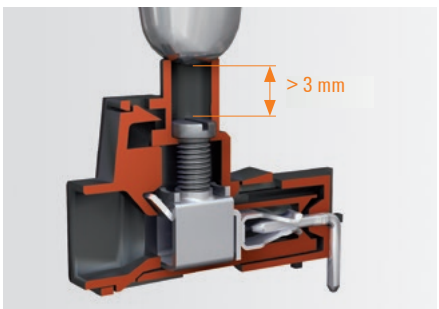
High system performance
The OMNIMATE® Power System up to 16 mm² can be individually combined with plugging mates that have an interlocking flange. It is also possible for the plugging mate to be screwed on.



Individualised configuration
Clear printed labelling and customised coding are used to prevent damage that could be caused by installation mistakes.



Compact integration
No compromises during design and approval: compact and standard-compliant with additional + 3.0 mm finger safety, according to IEC 61800-5-1, and increased creepage and clearance distances according to UL.

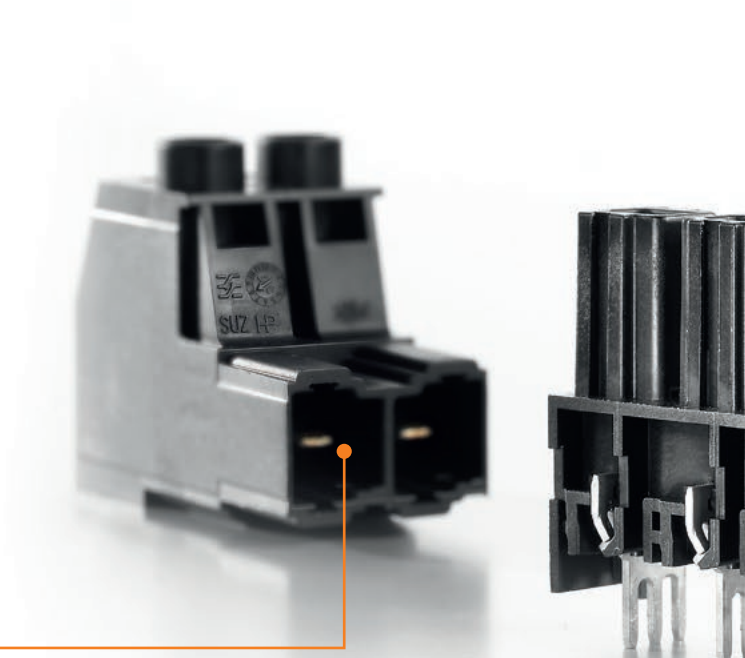


Touch-safe female header for power electronics

OMNIMATE® Power – plug-in connections for high power up to 76 A

Touch-safe protection for the contact blade is an important factor when considering high-power connectors. However such protection is currently quite difficult to design into standard products because of the size of the plug contacts.

We meet this challenge with our new BUL 10.16 female header in 10.16 mm pitch. The inverted plug ensures reliable touch protection for the unplugged, live side. This makes the BUL 10.16 a perfect-fit solution for board-to-wire connection in high-power electronics. You can also establish board-to-board connections when combined with the SU 10.16 HP standard male header.



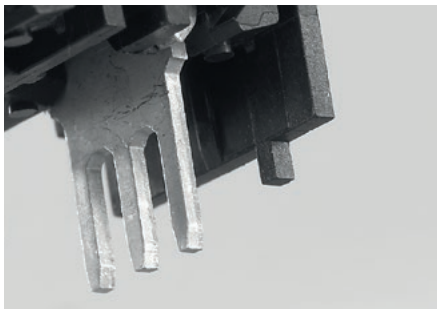
Cannot be wrongly inserted
Only mated plugs with the same pole count fit together. The plugs' mating profiles make it impossible to connect plugs with different pole counts together.



Plugging errors are not possible
With inserted coding elements, the male plug can only be connected with its corresponding female header.

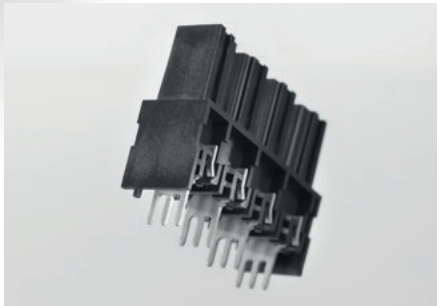


Non-rotating assembly
Improved reliability while assembling the circuit board: An integrated coding pin serves as an assembly guide so that the plug cannot be accidentally turned 180°.

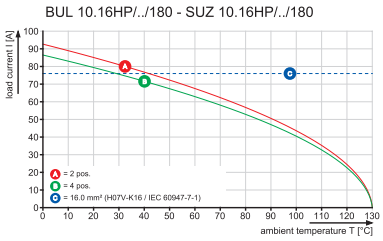




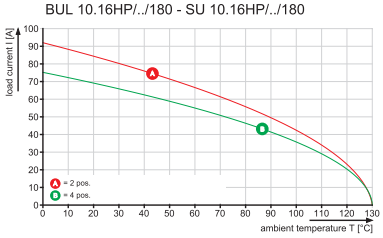
High performance
Three solder pins per pole provide the necessary mechanical strength while ensuring maximum current specifications.



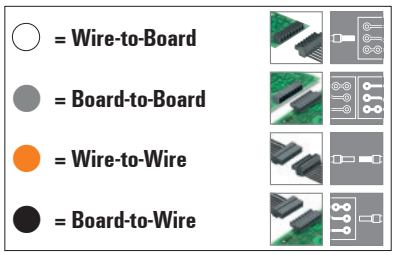
Derating curve for the BUL 10.16 HP female header together with the SUZ 10.16 HP male plug

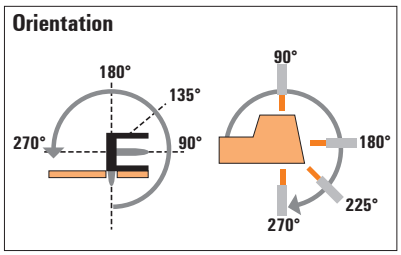


Derating curve for the BUL 10.16 HP female header together with the SU 10.16 HP male header



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BU/SU 10.16 series

			Type	Orientation	Flange options	Product code numbers
Female plug	Screw Clamping yoke		**BUZ**	180°	(G)/F/SF	IEC: 1.000 V/78 A/0.2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4
	Spring PUSH IN		**BUF IT SH**	180°	(G)/F/SF	IEC: 1.000 V/78 A/0,2 - 16 mm² UL: 600 V/55 A/AWG 22 - 4

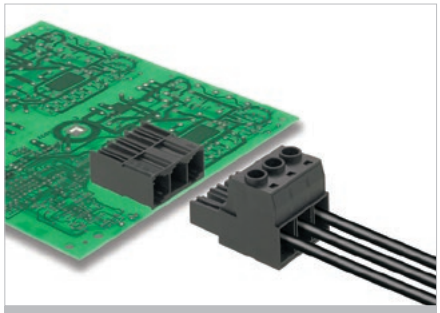
Female:
(G) = without flange
F = Interlock flange
SF = Interlock flange with screw

Pin:
G = Closed (without flange)
F = Interlock flange
SF = Interlock flange with nut

	Male header			Male plug
	Solder connection			Screw Clamping yoke
				
	SU	**SU**	**SU**	**SUZ**
	90°	180°	270°	180°
	G/F	G/F/SF	G/F/SF	G
	IEC: 1.000 V/76 A UL: 300 V/54 A"	IEC: 1.000 V/76 A UL: 300 V/54 A"	EC: 1.000 V/76 A UL: 300 V/54 A"	IEC: 1.000 V/78 A/0.2 - 16 mm² UL: 600 V/57 A/AWG 24 - 4
	○	○	○	●
	○	○	○	●

Connectors pitch 10.16 mm
BU/SU 10.16 series - connection up to 16 mm²

SU 10.16HP/../90



Male header with 90° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

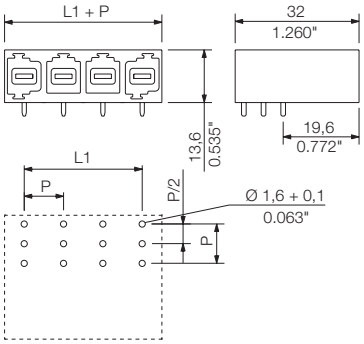
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../90G

without flanges



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm	1.2 x 1.1		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

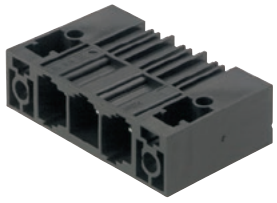
Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

Ordering data

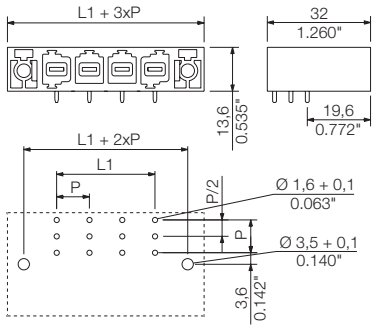
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.16	0.400	90	1813330000
3	20.32	0.800	60	1813340000
4	30.48	1.200	42	1813350000
5	40.64	1.600	36	1813360000
6	50.80	2.000	30	1813370000

SU 10.16HP/../90F

Interlock flanges



Dimensioned drawing



Ordering data

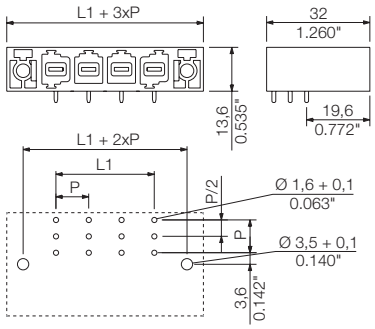
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1813570000**
3	20.32	0.800	36	**1813580000**
4	30.48	1.200	30	**1813590000**
5	40.64	1.600	24	**1813600000**
6	50.80	2.000	18	**1813610000**

SU 10.16HP/../90SF

Interlock flanges with nuts



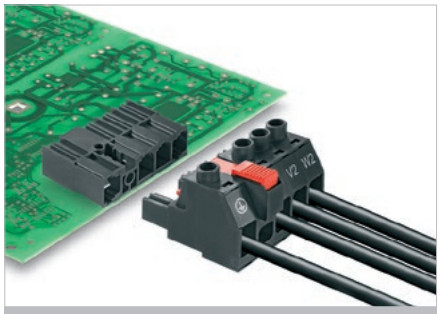
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1851040000**
3	20.32	0.800	36	**1851050000**
4	30.48	1.200	30	**1851060000**
5	40.64	1.600	24	**1851070000**
6	50.80	2.000	18	**1851080000**

SU 10.16HP/../90MF



Male header in 90° outlet direction for TNC (S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The mating profile ensures touch-safety of more than 3 mm according to IEC 61800-5-1. Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

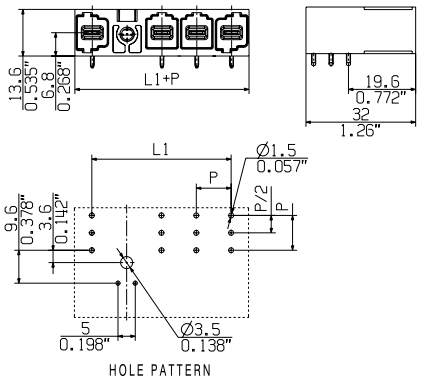
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../90MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm	1.2 x 1.1		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

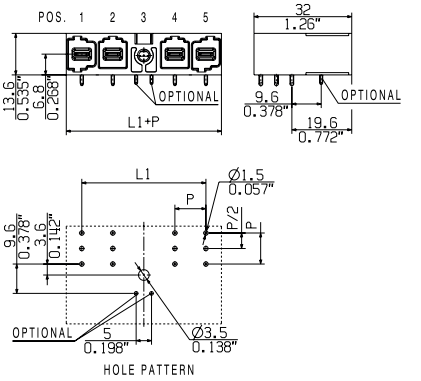
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	20.32	0.800	60	2580340000
3	30.48	1.200	42	2580390000
4	40.64	1.600	36	2580410000
5	50.80	2.000	30	2597200000
6	60.96	2.400	24	2597210000

SU 10.16HP/../90MF3



Dimensioned drawing



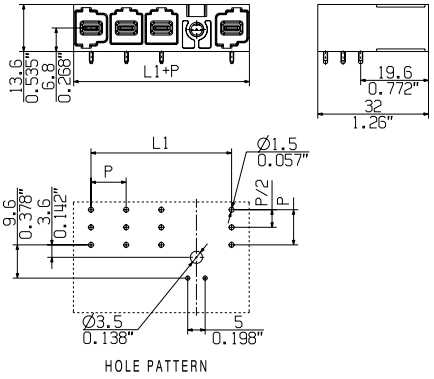
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	42	2580400000
4	40.64	1.600	36	2580420000
5	50.80	2.000	30	2597220000
6	60.96	2.400	24	2597230000

SU 10.16HP/../90MF4



Dimensioned drawing

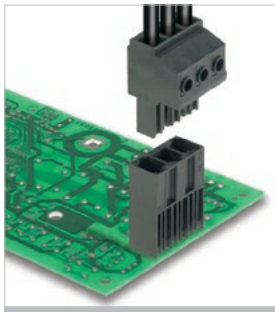


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	36	2580430000
5	50.80	2.000	30	2597240000
6	60.96	2.400	24	2597250000

Connectors pitch 10.16 mm
BU/SU 10.16 series - connection up to 16 mm²

SU 10.16HP/../180



Male header with 180° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity and integral positioning aid.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

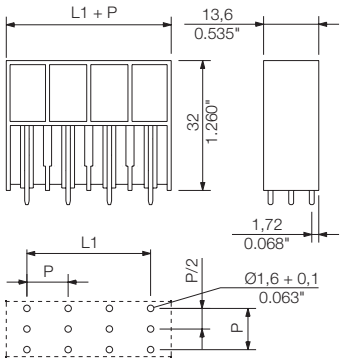
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../180G

without flanges



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm		1.2 x 1.1	
Solder eyelet Ø = D	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Protection against twisting		Order No.
	VDS180 SV7.62	**1853940000**
Coding		
	KO BU/SU10.16HP BK	**1824410000**
	KO BU/SU10.16HP WT	**2592600000**
Mounting screw		
	SU 10.16 BFSC P 35X 14	**2812340000**
	SU 10.16 BFSC S 35X12	**2812290000**

Ordering data

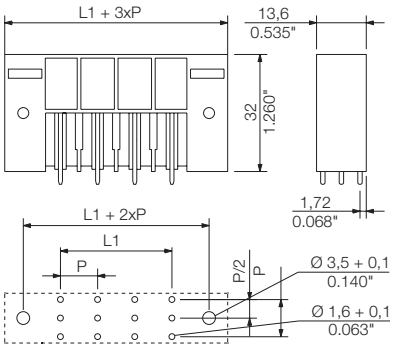
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	10.16	0.400	90	**1813410000**
3	20.32	0.800	60	**1813420000**
4	30.48	1.200	42	**1813430000**
5	40.64	1.600	36	**1813440000**
6	50.80	2.000	30	**1813450000**

SU 10.16HP/../180F

Interlock flanges



Dimensioned drawing



Ordering data

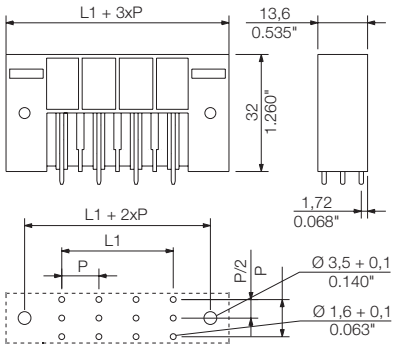
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1813650000**
3	20.32	0.800	36	**1813660000**
4	30.48	1.200	30	**1813670000**
5	40.64	1.600	24	**1813680000**
6	50.80	2.000	18	**1813690000**

SU 10.16HP/../180SF

Interlock flanges with nuts



Dimensioned drawing

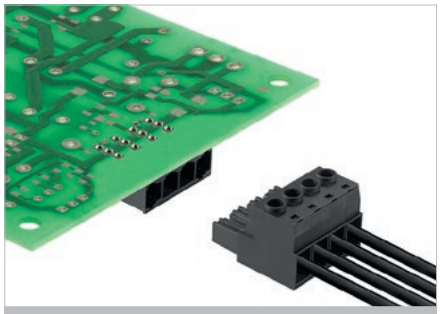


Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1850880000**
3	20.32	0.800	36	**1850890000**
4	30.48	1.200	30	**1850900000**
5	40.64	1.600	24	**1850910000**
6	50.80	2.000	18	**1850920000**

Connectors pitch 10.16 mm
BU/SU 10.16 series - connection up to 16 mm²

SU 10.16HP/../270



Male header with 270° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

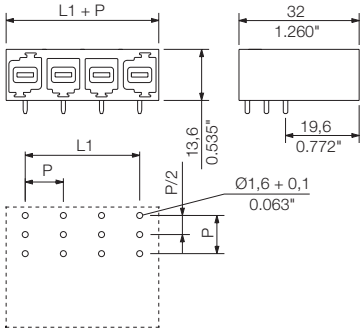
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../270G

without flanges



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT GF	
UL 94 flammability rating			V-0	
Contact base material			Copper alloy	
Material of contact surface			silver-plated	
Pin dimensions = d	mm		1.2 x 1.1	
Solder eyelet Ø = D	mm		1.6	
Solder eyelet Ø tolerance	mm		+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

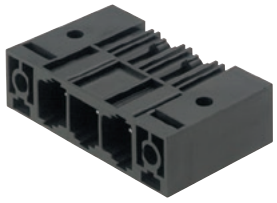
Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

Ordering data

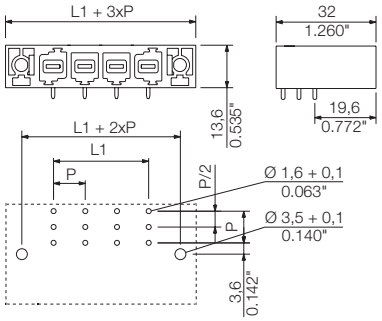
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**
2	10.16	0.400	90	1813490000
3	20.32	0.800	60	1813500000
4	30.48	1.200	42	1813510000
5	40.64	1.600	36	1813520000
6	50.80	2.000	30	1813530000

SU 10.16HP/../270F

Interlock flanges



Dimensioned drawing

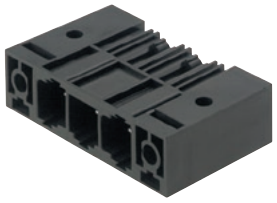


Ordering data

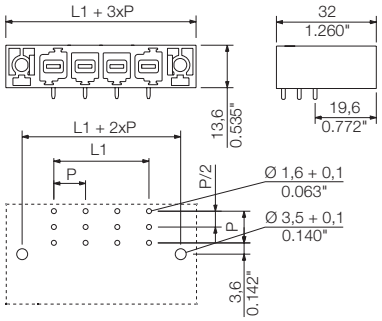
Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1813730000**
3	20.32	0.800	36	**1813740000**
4	30.48	1.200	30	**1813750000**
5	40.64	1.600	24	**1813760000**
6	50.80	2.000	18	**1813770000**

SU 10.16HP/../270SF

Interlock flanges with nuts



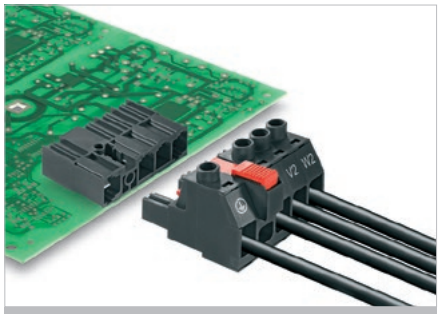
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	42	**1851120000**
3	20.32	0.800	36	**1851130000**
4	30.48	1.200	30	**1851140000**
5	40.64	1.600	24	**1851150000**
6	50.80	2.000	18	**1851160000**

SU 10.16HP/../270MF



Male header with 270° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A
UL: 300 V / 60 A

72h

For additional articles and information, refer to eshop.weidmueller.com

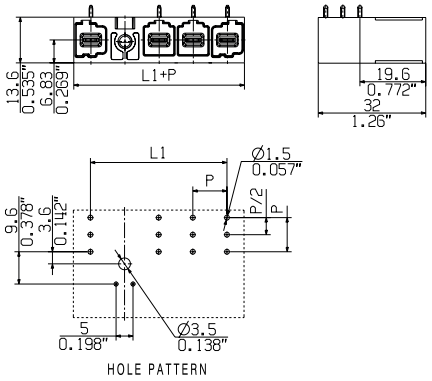
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../270MF2



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**690**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	600
Rated current	A	60	60	5
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm	1.2 x 1.1		
Solder eyelet Ø = D	mm	1.6		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Mounting screw		
	SU 10.16 BFSC P 35X 14	2812340000
	SU 10.16 BFSC S 35X12	2812290000

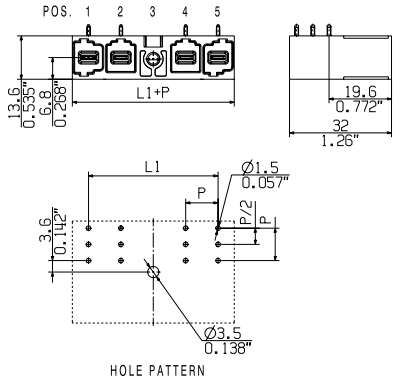
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	**Qty.**	**Order No.**
2	20.32	0.800	60	2580350000
3	30.48	1.200	42	2580830000
4	40.64	1.600	36	2580860000
5	50.80	2.000	30	2597290000
6	60.96	2.400	24	2597300000

SU 10.16HP/../270MF3



Dimensioned drawing



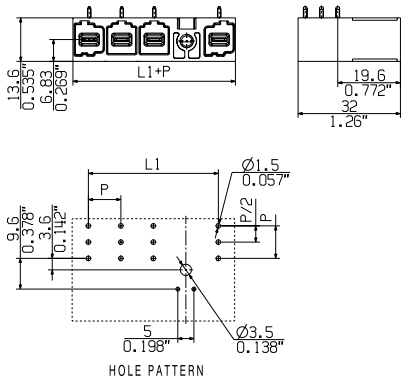
Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
3	30.48	1.200	42	2580850000
4	40.64	1.600	36	2580870000
5	50.80	2.000	30	2597310000
6	60.96	2.400	24	2597320000

SU 10.16HP/../270MF4



Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				black
Pitch	**10.16 mm**			
Pol.	L1	(inch)	Qty.	Order No.
4	40.64	1.600	36	2580880000
5	50.80	2.000	30	2597330000
6	60.96	2.400	24	2597340000

Connectors pitch 10.16 mm
BU/SU 10.16 series - connection up to 16 mm²

SUZ 10.16HP/../180



Male plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems.
Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch safety of more than 3 mm according to IEC 61800-5-1 when connected.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capbility.

- Available with a flange (F) and screw flange on request.

Product data

IEC: 1000 V / 78 A / 0.2 - 16 mm²
UL: 600 V / 57 A / AWG 24 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

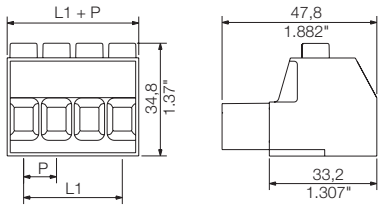
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SUZ 10.16HP/../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...10		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5		
According to norm		DIN 5264		
Tightening torque range	Nm	1.2...1.5		
Rated current, max.	**A**	**78**		**72**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**57**	**57**	**5**
AWG conductor	**AWG**		**24-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	57	57	5
AWG conductor	AWG		24-6	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

Ordering data

Solder pin length

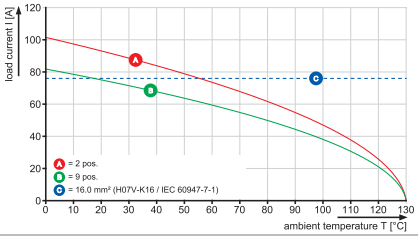
Colour **black**

Pitch **10.16 mm**

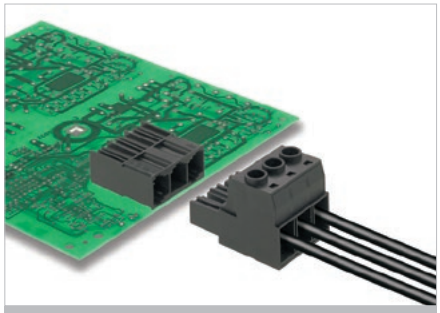
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	64	1947480000
3	20.32	0.800	44	1947490000
4	30.48	1.200	32	1947500000
5	40.64	1.600	26	1947510000
6	50.80	2.000	22	1966920000

Representative deratings curve

BUZ 10.16HP/../180 - SUZ 10.16HP/../180



BUZ 10.16HP/../180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. Ensures touch-safety of
> 3 mm in accordance with IEC 61800-5-1.
Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm²
UL: 600 V / 60 A / AWG 22 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

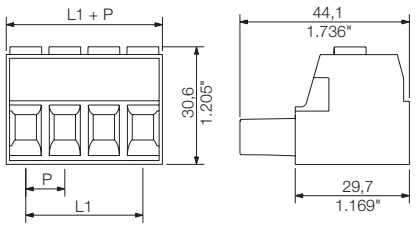
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16HP/../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.2...16		
Solid core H05(07) V-U	**mm²**	**0.2...16**		
Stranded H07 V-R		...16		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.25...16		
Ferrule with plastic collar	mm²	0.25...16		
Stripping length	mm	12		
Screwdriver blade	mm	1.0 x 5.5, PZ 2		
According to norm				
Tightening torque range	Nm	1.2...2		
Rated current, max.	**A**	**78.3**		**70.6**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**1000**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**600**
Rated current	**A**	**60**	**60**	**5**
AWG conductor	**AWG**		**22-4**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	600
Rated current	A	60	60	5
AWG conductor	AWG		22-4	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	KO BU/SU10.16HP BK	1824410000
	KO BU/SU10.16HP WT	2592600000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Crosshead screwdriver		
	SDIK PZ2 X 100	2749930000
	SDK PZ2 X 100	2749450000

Ordering data

Solder pin length

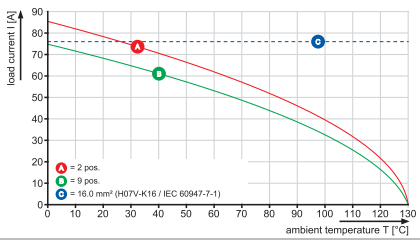
Colour **black**

Pitch **10.16 mm**

Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	60	1924540000
3	20.32	0.800	40	1924550000
4	30.48	1.200	28	1924560000
5	40.64	1.600	24	1924570000
6	50.80	2.000	20	1924580000

Representative deratings curve

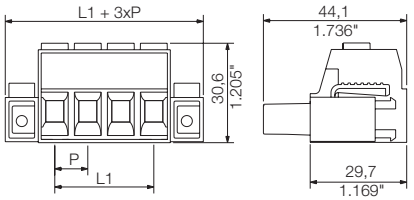
BUZ 10.16HP/../180 - SU 10.16HP/../90



BUZ 10.16HP/../180F



Dimensioned drawing



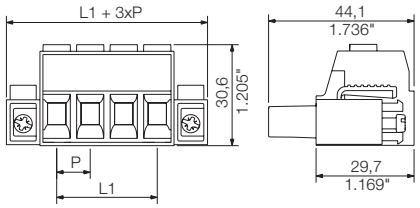
Ordering data

Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	28	1924620000
3	20.32	0.800	24	1924630000
4	30.48	1.200	20	1924640000
5	40.64	1.600	16	1924650000
6	50.80	2.000	12	1924660000

BUZ 10.16HP/../180SF



Dimensioned drawing

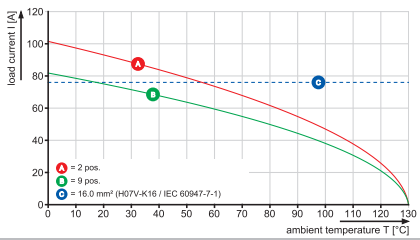


Ordering data

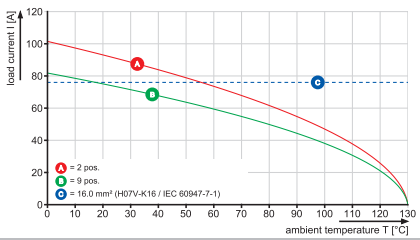
Solder pin length				
Colour				black
Pitch	10.16 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	10.16	0.400	28	1924700000
3	20.32	0.800	24	1924710000
4	30.48	1.200	20	1924720000
5	40.64	1.600	16	1924740000
6	50.80	2.000	12	1924750000

Additional deratings curves

BUZ 10.16HP/../180 - SU 10.16HP/../180



BUZ 10.16HP/../180 - SUZ 10.16HP/../180



OMNIMATE® Power
BUS connection system

OMNIMATE® Power
BUS connection system

Explanation P.2

OMNIMATE® Power BUS connection system 160 A P.4

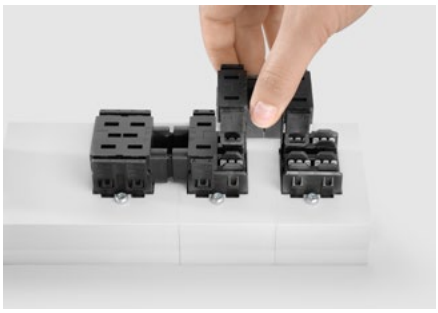
Quick and simple installation of energy recovery by DC-Link for drives
OMNIMATE® Power BUS connection system

In the field of power electronics, straightforward and economical installation is becoming increasingly important. The new OMNIMATE® Power BUS connection system is the optimal busbar solution for use in IP20 multi-axis servo drives for intermediate circuits for energy recovery and 24V control voltage supplies.

The innovative latch-in bus system consists of two different busbar connectors with spring contacts. They enable a fast, tool-free connection of individual modules in addition to the connection of the entire module network to the power supply. A significant advantage of the modular system is the possibility of connecting intermediate circuits to the front or top of the device. Thus, the system is ideally adaptable to any particular installation conditions.

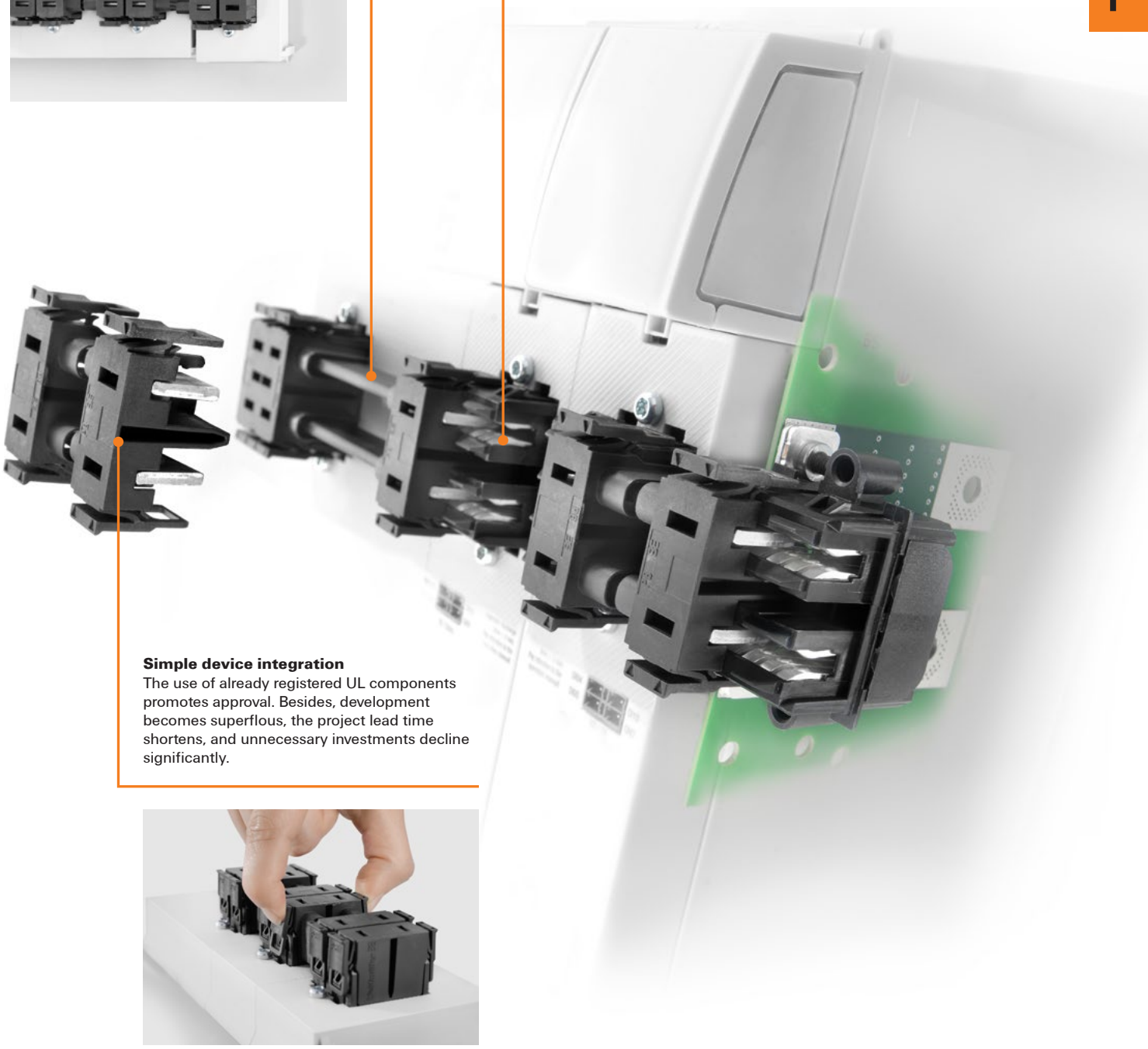
Your special advantages:
- Quick and easy installation of multi-axis servo drives without tools
- 100 % finger-safe system construction due to insulation end cap
- Safe latching of the busbar connectors
- Tolerance compensation for a module offset of up to 2 mm
- Simple device integration and uncomplicated device approval

Quick and easy installation
The simple plug-and-play solution is ideal for the fast, tool-free replacement of individual modules from a network of multi-axis servo drives.



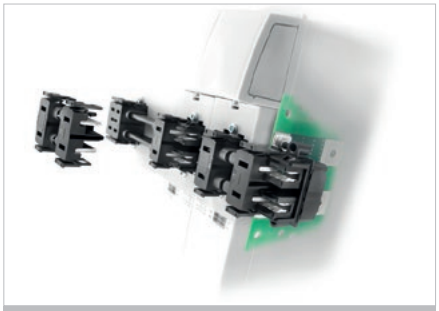
High safety
The system guarantees a secure, absolutely finger-safe latching of the busbar connectors. The tolerance compensation of the rail system facilitates the secure fastening of the entire axle system.





Simple device integration
The use of already registered UL components promotes approval. Besides, development becomes superflous, the project lead time shortens, and unnecessary investments decline significantly.

BUS connection system 160 A



Modular current bar solution from Weidmüller. Optimally designed for use in IP20 multi-axis servo amplifiers for the intermediate circuit and the 24 V control voltage supply. The busbar system is designed in such a way that each module in the same axis system is quickly and easily connected to a spring contact by snapping a current bar into place. No tools are required for the innovative snap-in bus system. This simplifies assembly and installation.

Product data

IEC: 1000 V / 160 A
UL: 750 V / 160 A

72h

For additional articles and information, refer to eshop.weidmueller.com

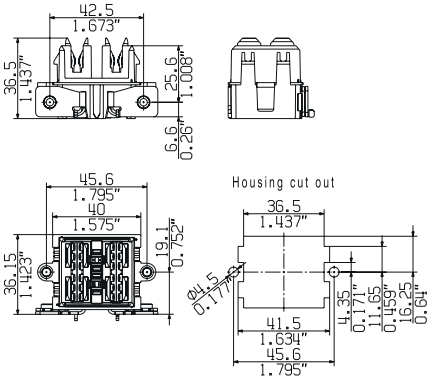
Note:

- Additional variants on request
- IEC-rated current is based on 20 °C ambiente temperature, further values see derating curve
- UL508-rated current based on 65 °C ambiente temperature and max. 20 devices
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PB-CON 160



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.				
Solid core H05(07) V-U				
Stranded H07 V-R				
Flexible H05(07) V-K				
Flexible with ferrule				
Ferrule with plastic collar				
Stripping length				
Screwdriver blade	mm			
According to norm				
Tightening torque range				
Rated current, max.	**A**	**160**		**140**
At ambient temperature		20°C		40°C
For conductor cross-section				
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**800**	**1000**	**1000**
Rated impulse voltage	kV	8	8	6
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	**AWG**		-	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage				
Rated current				
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		silver-plated		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

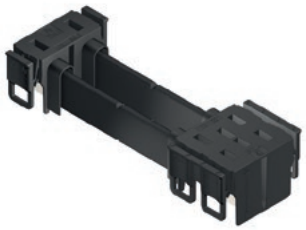
Note: Refer to the Accessories chapter for additional accessories.

Cover		Order No.
	PB-ENDCAP 160 02RF BK BX	**2594970000**
Coding		
	PB-CO RD	**2654620000**
Mounting screw		
	PB-CON IKSC M4X8 A2	**2708610000**
	PB-CON SF DELTA PT 40X12	**2708620000**

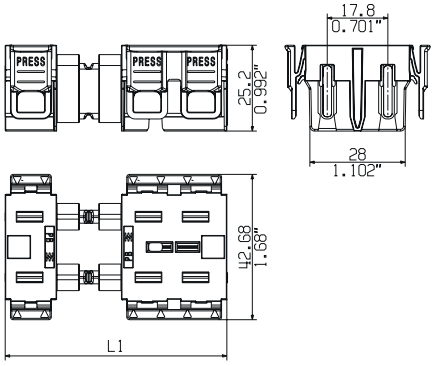
Ordering data

Solder pin length			
Colour			**black**
Pitch	**42.50 mm**		
L2	(inch)	**Qty.**	**Order No.**
		20	**2594720000**

PB- FEED 160



Dimensioned drawing



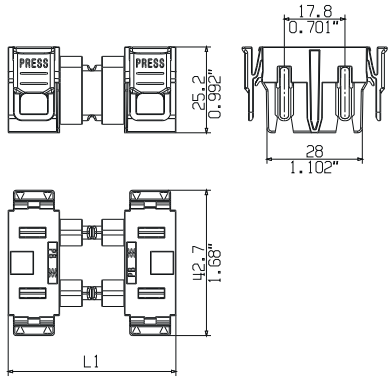
Ordering data

Solder pin length			
Colour			black
Pitch	42.50 mm		
L2	(inch)	Qty.	Order No.
		20	2594950000
		10	2595180000

PB-LINK 160



Dimensioned drawing



Ordering data

Solder pin length			
Colour			black
Pitch	42.50 mm		
L2	(inch)	Qty.	Order No.
		20	2595540000
		10	2594960000

OMNIMATE® Power Through-Panel Terminals

OMNIMATE® Power Through-Panel Terminals	Through-Panel Terminals for devices Series PGK 4 and WGK	
	Explanation	Q.2
	System overview	Q.6
	Quick selection	Q.8
	Through-Panel Terminals for devices Series PGK 4 – PUSH IN connection	
	Product selection	
	– Max. clamping range 4 mm²	Q.10
	Through-Panel Terminals for devices Series WGK – connects up to 95 mm²	
	Product selection	
	– Max. clamping range 6 mm²	Q.12
	– Max. clamping range 10 mm²	Q.14
	– Max. clamping range 16 mm²	Q.16
	– Max. clamping range 25 mm²	Q.18
	– Max. clamping range 35 mm²	Q.20
	– Max. clamping range 50 mm²	Q.22
	– Max. clamping range 95 mm²	Q.24

OMNIMATE® – PUSH IN PGK 4 through-panel terminal

Comfortable, cost-saving installation and connection of conductors up to 4 mm²

In your applications space is limited. Save space and time for your housing feedthrough with our flexible connection system.

You are looking for a space-saving solution to quickly install wire connections for your device with panel or housing feed-throughs.

You'll find what you are looking for with our innovative PUSH IN connectivity technology solutions. Our PGK 4 feed-through terminal is worthy of note for its tool-free wire connection on the interior and exterior of your device. Thanks to its flexible, sliced construction and the intuitive fastening mechanism, it's easy for you to build blocks with plenty of poles.

With such features, our PGK 4 is currently the most compact and fastest solution for housing feedthroughs.

Flexible application options
Due to its construction with only 5.1 mm wide slices, you can build simple, space-saving terminal blocks with plenty of poles.

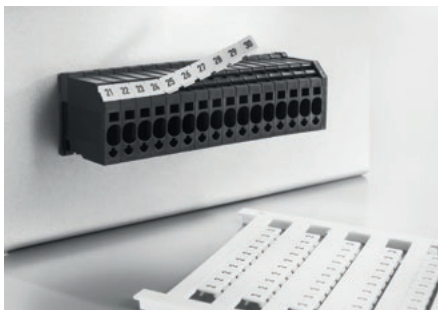






Clear marking
The terminals can be clearly labelled on the top and bottom, so that the terminal block can always be marked regardless of mounting position.

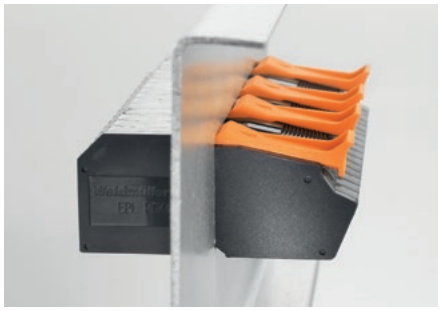
Simple handling and reduced assembly costs
Enjoy the benefits of the intuitive fastening mechanism and the ability to fasten the terminal block in the housing cut-out in seconds.



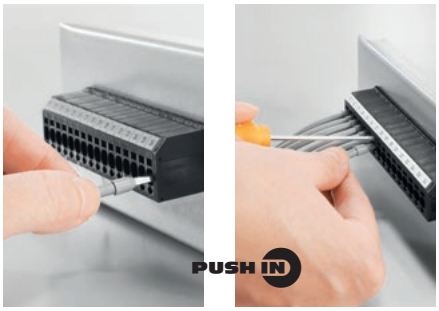




Secure attachment through thick and thin
The innovative terminal block fixing mechanism ensures a safe and reliable hold for the device feedthrough and is suited to panel thicknesses between 1.50 mm and 3.00 mm.



Solid contact with a large connection cross-section
Our innovative PUSH IN connection technology allows users to quickly and conveniently connect conductors. It also meets the need for permanent and vibration-resistant contacts. Conductor connections with a cross-section of up to 4.0 mm² with ferrules are possible.



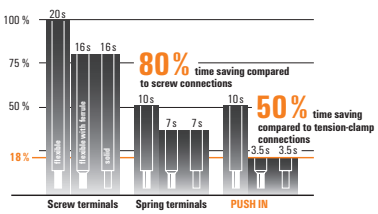
Available for testing at any time
You can perform a simple function check at any time using the easily accessible diagnostic test points.





Future-proofed materials and approvals
Halogen-free materials and additional international approvals increase the application options for new device designs.

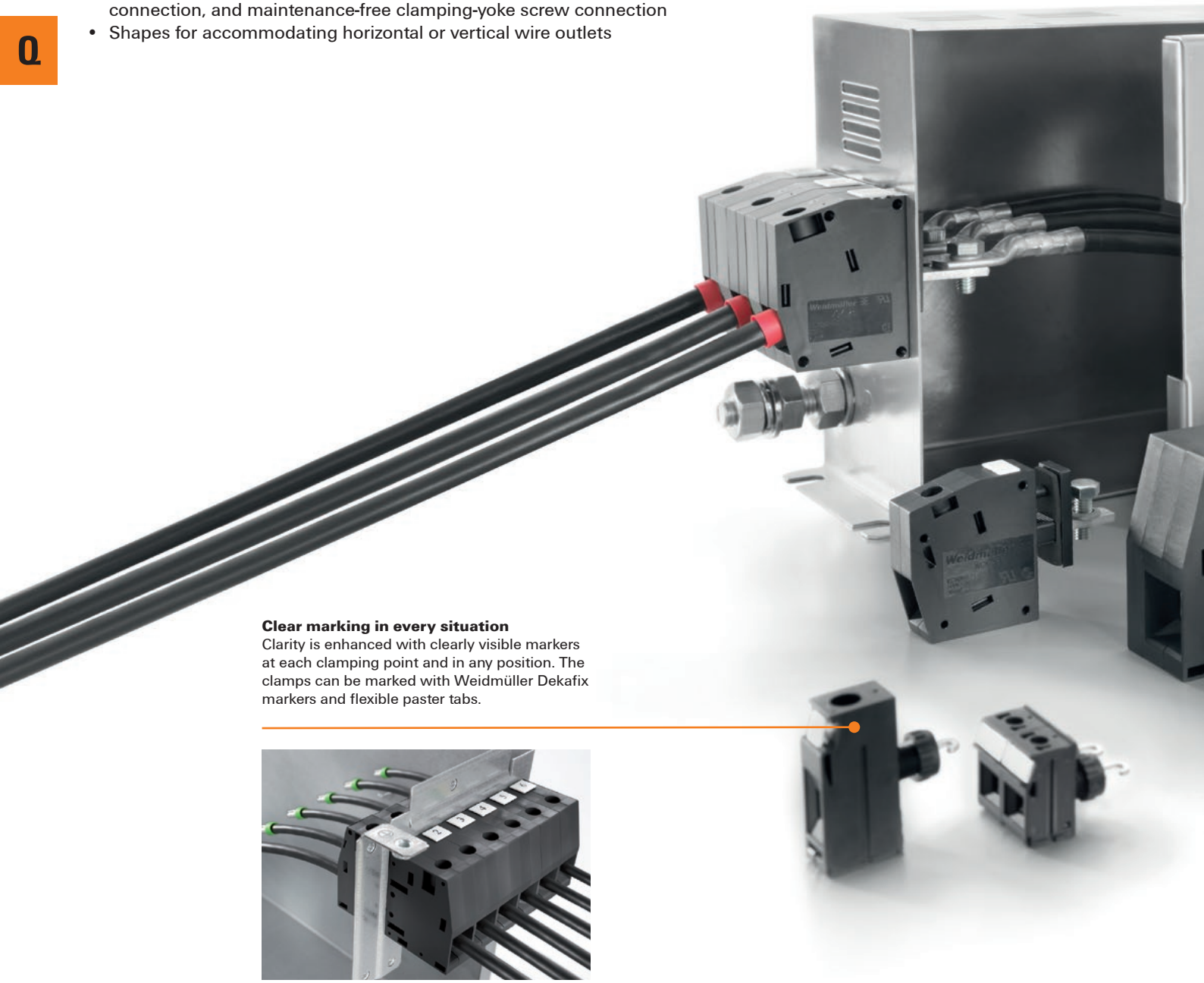
Direct connected
PUSH IN the quick, tool-free, intuitive connection mechanism for prepared wires.
www.weidmueller.com/push-in



Through-Panel Terminals
WGK – OMNIMATE® Power

The universal solution to feed power through housing walls. Suitable for applications such as EMC filters, discretely structured converters for drive engineering, encapsulated equipment or inverters in the production of renewable energy.
Choose from the flexible range:

- Wide performance spectrum for currents up to 232 A and wire cross sections from 4 to 95 mm² (AWG 4/0)
- Various types of connections: castable solder connection, cable-lug-stud connection, and maintenance-free clamping-yoke screw connection
- Shapes for accommodating horizontal or vertical wire outlets



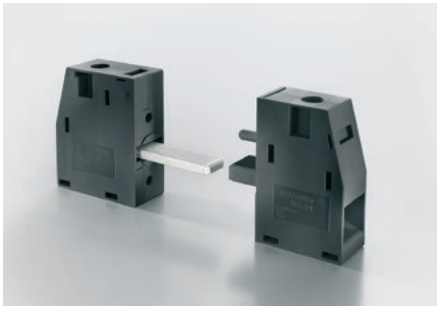
Clear marking in every situation
Clarity is enhanced with clearly visible markers at each clamping point and in any position. The clamps can be marked with Weidmüller Dekafix markers and flexible paster tabs.

Safety with extra power
The high-performance insulating material WEMID meets maximum system availability requirements: With an RTI (relative temperature index) of 120 °C, the OMNIMATE® power Through-Panel Terminals exceed the highest continued use temperature of standard PA (100 °C) at +20° K, thus creating more power reserves and maximum safety with temperature fluctuations and overloads

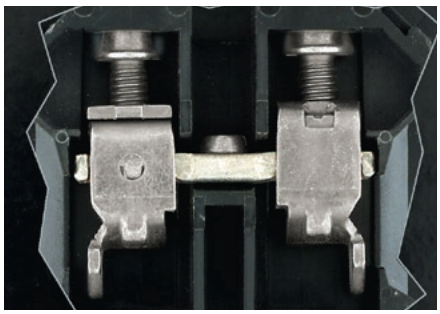




Easy handling
WGK series lead-through terminals consist of an inside and outside component that are easily locked with one another through the housing wall without any tools.

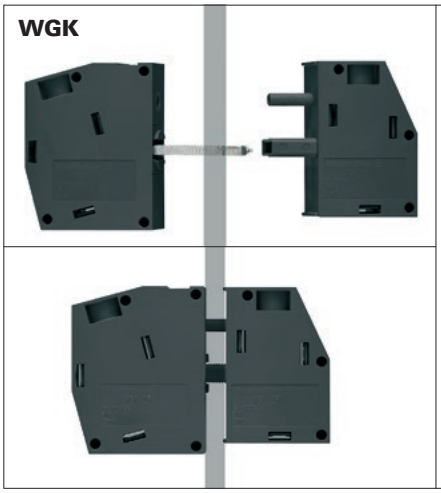


Solid and proven connection
Connections proven a million times. The terminal unit consists of hardened steel, for very high contact force. The current bar is made of copper, which gives a low voltage drop. The tin-plated surface ensures minimum contact resistances.



WGK series – System overview

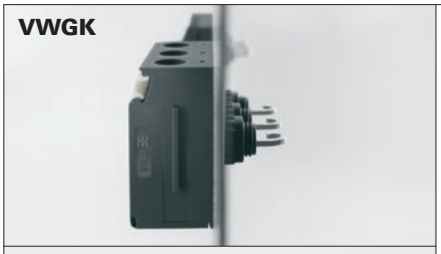
WGK



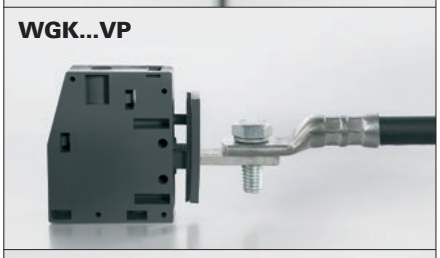
Easy installation

WGK series feedthrough terminals consist of an inside and outside component that are easily locked with one another through the housing wall without any tools.

VWGK



WGK...VP



WGK...WGKV



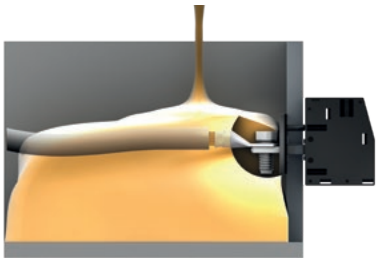
Maximum freedom of design

Different types of connection on the inside such as a castable soldering connection (VWGK...), cable lug bolt connection (WGK ...VP) and a no-service clamping yoke-screw connection (WGK...) provide the optimum connection in any installation situation.

Weidmüller offers two models with a horizontal (WGK) and vertical (WGKV) outgoing direction to adapt the conductor guide to the given installation conditions.

The VP and VWGK models of the WGK lead-through terminals with an insulating housing and clamping yoke connection on the outside are enhanced for use in encapsulated and cast equipment (such as EMV filters).

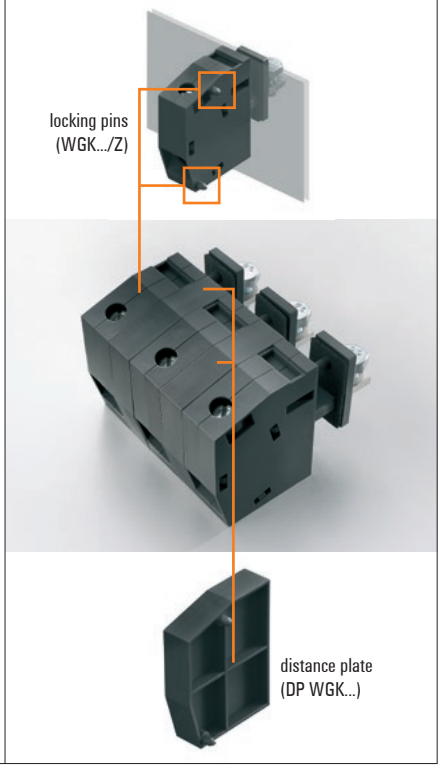
These products are developed for 100 % sealing in completely cast units.



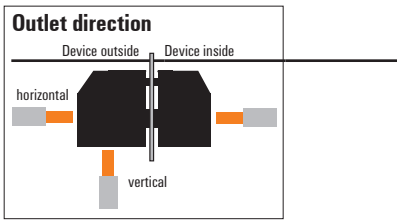
All Through-Panel Terminals terminals are available with pins (WGK.../Z) for easy locking. Multi-pole blocks can be built up quickly and easily.

Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.

Distance plates (DP WGK...) can be easily mounted with locking pins.



www.weidmueller.com/omnimate



Through-Panel terminals - WGK

Device Outside Type of connection	Device Inside Type of connection	Clamping range IEC Clamping range UL	Max. rated voltage IEC Nominal current UL		Type	Outlet direction
PUSH IN	PUSH IN	0.5 - 4 mm² 24 - 10 AWG	32 A 30 A		PGK 4	horizontal
Screw Clamping yoke	Solder connection	0.5 - 6 mm² 30 - 10 AWG	32 A 30 A		VWGK 4	horizontal
		0.5 - 10 mm² 22 - 8 AWG	41 A 50 A		VWGK 6	horizontal
	Screw Clamping yoke	0.5 - 6 mm² 30 - 10 AWG	32 A 30 A		WGK 4 WGKV 4	horizontal vertical
		0.5 - 16 mm² 24 - 6 AWG	57 A 65 A		WGK 10 WGKV 10	horizontal vertical
	Screw Clamping yoke	0.5 - 25 mm² 20 - 4 AWG	76 A 85 A		WGK 16 WGKV 16	horizontal vertical
	Cable lug				WGK 16 VP	horizontal
	Screw Clamping yoke	6 - 35 mm² 10 - 3 AWG	101 A 100 A		WGK 25 WGKV 25	horizontal vertical
	Cable lug				WGK 25 VP	horizontal
	Screw Clamping yoke	16 - 50 mm² 6 - 1/0 AWG	150 A 145 A		WGK 50	horizontal
	Cable lug				WGK 50 VP	horizontal
	Screw Clamping yoke	35 - 95 mm² 4 - 4/0 AWG	232 A 230 A		WGK 95	horizontal
	Cable lug				WGK 95 F VP	horizontal

Max. rated voltage IEC	400 V	500 V		690 V	1,000 V
Nominal voltage UL	300 V		600 V		
		○			
		○			
		○			
	○				
		○			
			○		
			○		
				○	
				○	
				○	
				○	
					○
					○

max. clamping range: 4 mm²



The PGK 4 device feed-through terminal is the fastest and most compact solution for feed-throughs in housings.

The innovative PUSH IN connection system from Weidmüller makes for a simple, tool-free wire connection on the inside and outside of devices. The sliced design and an intuitive fastening mechanism enable high-density blocks to be constructed quickly and easily.

Product data

IEC: 500 V / 32 A / 0.5 - 4 mm²
UL: 300 V / 30 A / AWG 24 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

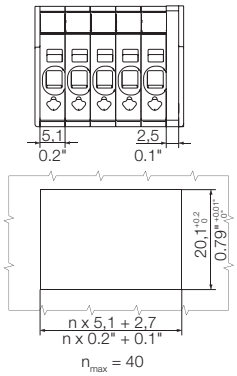
- End plate required
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PGK 4

PUSH IN connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...4		
Solid core H05(07) V-U	**mm²**	**0.5...4**		
Stranded H07 V-R		...4		
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...4		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	12		
Screwdriver blade	mm	0.4 x 2.5		
According to norm				
Tightening torque range				
Rated current, max.	**A**	**32**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**500**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**150**	**300**
Rated current	**A**	**30**	**30**	**10**
AWG conductor	**AWG**	**24-10**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	150	300
Rated current	A	30	30	10
AWG conductor	AWG	24-10		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

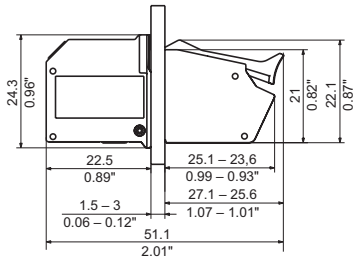
Note: Refer to the Accessories chapter for additional accessories.

Additional locking		Order No.
	VREL PGK4 OR VPE 30	1288610000
Test plug		
	PS 2.3 RT	0180400000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDS 0.5X3.0X80	2749330000
Pressing tool		
	PZ 6/5	9011460000

Ordering data

		With lock pins
Type	**Qty.**	**Order No.**
PGK 4 BK	100	1288470000

Representative dimensional drawing

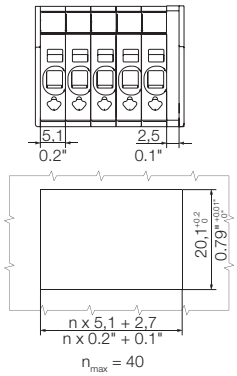


PGK 4 BT

PUSH IN connection



Dimensioned drawing



Ordering data

Type	Qty.	With lock pins Order No.
PGK 4 BT BK	100	1288590000

EPL PGK 4



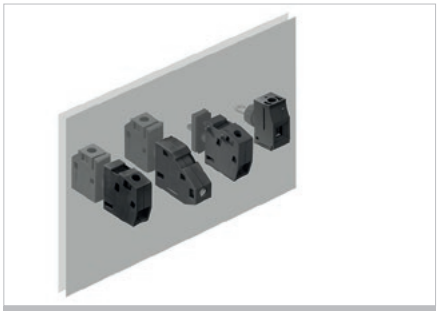
Dimensioned drawing

Ordering data

Type	Qty.	With lock pins Order No.
EPL PGK4 BK	50	1288600000

Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 6 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside such as solder connections which can be encapsulated (VWGK...), cable lug connections (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 30 A / AWG 30 - 10

72h

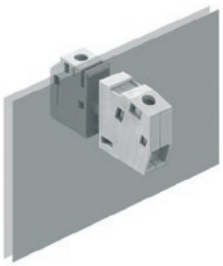
For additional articles and information, refer to eshop.weidmueller.com

Note:

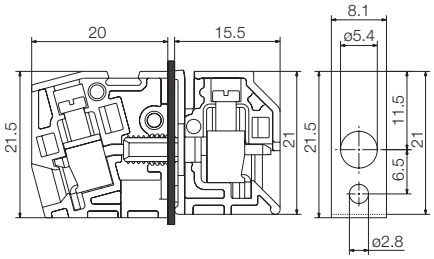
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- WGKV: Rated voltage plastic walls: 1 - 4 mm = 400 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- VWGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 4 mm = 500 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 4

Screw connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...6		
Solid core H05(07) V-U	**mm²**	**0.5...6**		
Stranded H07 V-R	mm²	0.5...4		
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...4		
Ferrule with plastic collar	mm²	0.5...4		
Stripping length	mm	8		
Screwdriver blade	mm	0.6 x 3.5		
According to norm				
Tightening torque range	Nm	0.6...0.8		
Rated current, max.	**A**	**32**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**500**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**30**	**30**	**10**
AWG conductor	**AWG**		**30-10**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	300
Rated current	A	30	30	10
AWG conductor	AWG		30-10	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

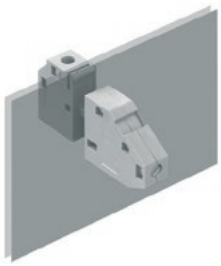
Distance plate		Order No.
	DP WGK 4 BK BX	1297840000
	DP WGK 4 GY BX	1936450000
	DP VWGK 4 BK BX	1251030000
	DP VWGK 4 GY BX	1936430000
Screwdriver		
	SDIS 0.6X3.5X100	2749810000
Marking tags		
	DEK 5/8 MC NE WS	1856740000
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000

Ordering data

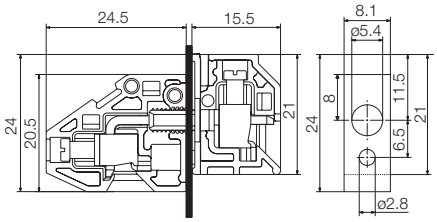
		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 4/Z GN/YE BX	50	1936560000	
WGK 4/Z GY BX	50	1936570000	
WGK 4 GN/YE BX	50		1936540000
WGK 4 GY BX	50		1936550000

WGKV 4

Screw connection



Dimensioned drawing



Ordering data

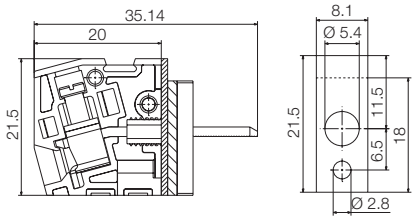
		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGKV 4/Z GN/YE BX	50	**1936620000**	
WGKV 4/Z GY BX	50	**1936630000**	
WGKV 4 GN/YE BX	50		**1936610000**
WGKV 4 GY BX	50		**1934050000**

WGK 4 VP

Solder connection



Dimensioned drawing



Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 4 VP/Z GN/YE BX	50	**1003900000**	
WGK 4 VP/Z GY BX	50	**1003910000**	
WGK 4 VP GN/YE BX	50		**1003890000**
WGK 4 VP GY BX	50		**1981890000**

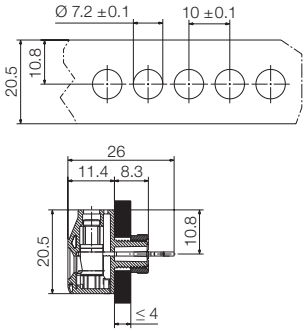
For the rated voltage of plastic and metal walls, see the "WGK" notes

VWGK 4

Solder connection



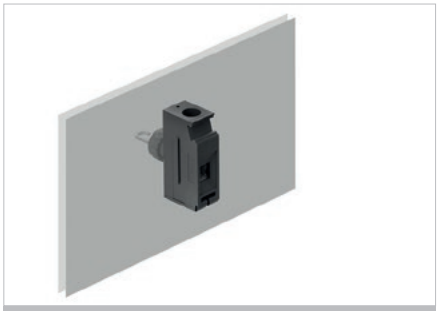
Dimensioned drawing



Ordering data

		With lock pins
Type	**Qty.**	**Order No.**
VWGK 4 GN/YE BX	50	**1936480000**
VWGK 4 GY BX	50	**1936490000**

max. clamping range: 10 mm²



The V versions of the WGK feed-through terminals with an insulated housing and clamping yoke connection on the outside, and a solder connection on the inside. Optimal connection options for use in encapsulated devices (e.g. EMC filters and/or fully insulated transformers).

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 41 A / 0.5 - 10 mm²
UL: 300 V / 50 A / AWG 22 - 10

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

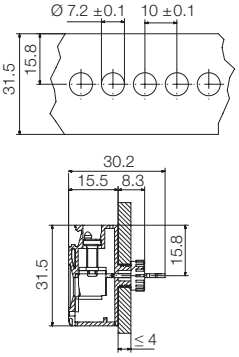
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- VWGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 4 mm = 500 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

VWGK 6





Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...10		
Solid core H05(07) V-U	**mm²**	**0.5...10**		
Stranded H07 V-R	mm²	0.5...6		
Flexible H05(07) V-K	mm²	0.5...6		
Flexible with ferrule	mm²	0.5...6		
Ferrule with plastic collar	mm²	0.5...6		
Stripping length	mm	13		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range	Nm	0.8...1.8		
Rated current, max.	**A**	**41**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	6		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**500**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**50**	**50**	**10**
AWG conductor	**AWG**	**22-10**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	300
Rated current	A	50	50	10
AWG conductor	AWG	22-10		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP VWGK 6 BK BX	1250630000
	DP VWGK 6 GY BX	1965750000
Screwdriver		
	SDIS 0.8X4.0X100	2749820000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

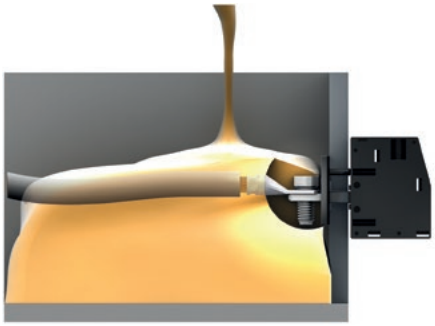
Ordering data

Type	Qty.	No lock pins Order No.
VWGK 6 GN/YE BX	50	2484680000
VWGK 6 GY BX	50	2484800000

Variants

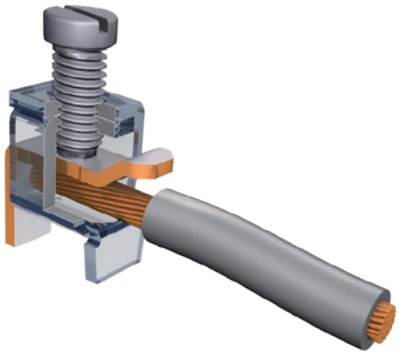
The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.
These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



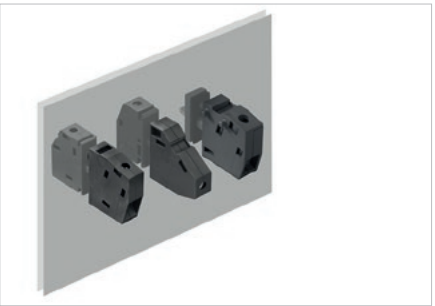
Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection.
When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.
As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved.
Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 16 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Different types of connection on the inside, such as a solder connection which can be encapsulated (WGK ...VP) or a maintenance-free clamping yoke screw connection (WGK...) with vertical and horizontal wire connections, provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 57 A / 0.5 - 16 mm²
UL: 300 V / 65 A / AWG 24 - 6

72h

For additional articles and information, refer to eshop.weidmueller.com

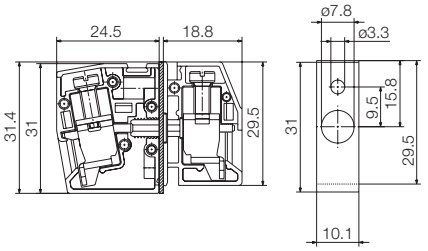
Note:

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- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 - 4 mm = 500 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 10



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...16		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...16		
Flexible H05(07) V-K	mm²	0.5...10		
Flexible with ferrule	mm²	0.5...10		
Ferrule with plastic collar	mm²	0.5...10		
Stripping length	mm	11		
Screwdriver blade	mm	0.8 x 4.0		
According to norm				
Tightening torque range	Nm	1.5...2.4		
Rated current, max.	**A**	**57**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	10		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**500**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**	**300**	**300**
Rated current	**A**	**65**	**65**	**10**
AWG conductor	**AWG**		**24-6**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	300	300
Rated current	A	65	65	10
AWG conductor	AWG		24-6	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP VWGK 6 BK BX	1250630000
	DP VWGK 6 GY BX	1965750000
	DP WGK 10 BK BX	
	DP WGK 10 GY BX	
	DP WGKV 10	
Screwdriver		
	SDIS 0.8X4.0X100	2749820000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

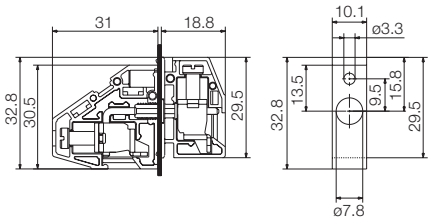
Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 10/Z GN/YE BX	50	2439400000	
WGK 10/Z GY BX	50	2439410000	
WGK 10 GN/YE BX	50		2439380000
WGK 10 GY BX	50		2439390000

WGKV 10



Dimensioned drawing



Ordering data

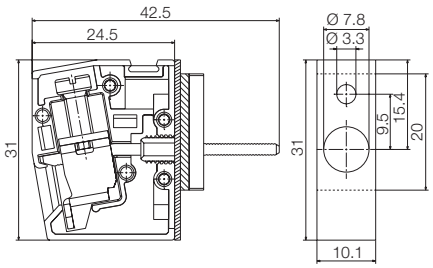
		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGKV 10/Z GN/YE BX	50	2439540000	
WGKV 10/Z GY BX	50	2439550000	
WGKV 10 GN/YE BX	50		2439530000
WGKV 10 GY BX	50		2439520000

For the rated voltage of plastic and metal walls, see the "WGK" notes

WGK 10 VP



Dimensioned drawing



Ordering data

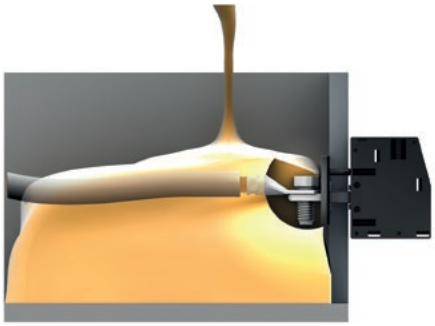
		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGK 10 VP/Z GN/YE BX	50	2439440000	
WGK 10 VP/Z GY BX	50	2439420000	
WGK 10 VP GN/YE BX	50		2439430000
WGK 10 VP GY BX	50		2439450000

For the rated voltage of plastic and metal walls, see the "WGK" notes

Variants

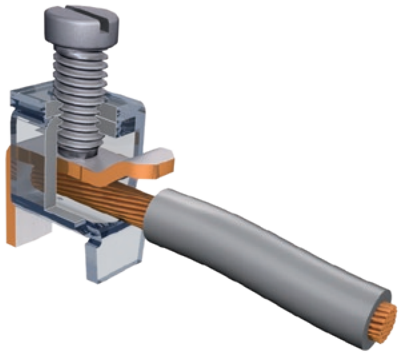
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These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



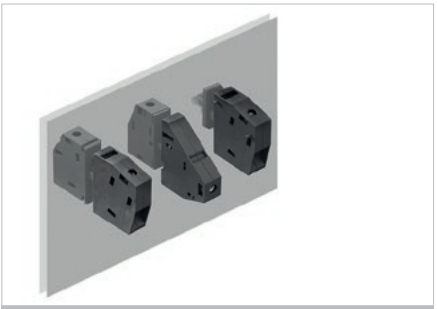
Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection.
When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.
As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved.
Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 25 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 76 A / 0.5 - 25 mm²
UL: 600 V / 85 A / AWG 20 - 4

72h

For additional articles and information, refer to eshop.weidmueller.com

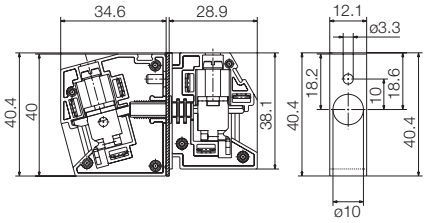
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 4 mm = 690 V; metal walls: 4 - 6 mm = 500 V
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 16



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.5...25		
Solid core H05(07) V-U	**mm²**	**0.5...16**		
Stranded H07 V-R	mm²	10...25		
Flexible H05(07) V-K	mm²	0.5...16		
Flexible with ferrule	mm²	0.5...16		
Ferrule with plastic collar	mm²	0.5...16		
Stripping length	mm	16		
Screwdriver blade	mm	1.0 x 5.5		
According to norm				
Tightening torque range	Nm	2...2.3		
Rated current, max.	**A**	**76**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	16		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**500**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**300**
Rated current	**A**	**85**	**85**	**10**
AWG conductor	**AWG**	**20-4**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	300
Rated current	A	85	85	10
AWG conductor	AWG	20-4		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP WGK 16 BK BX	1250580000
	DP WGK 16 GY BX	1936700000
Screwdriver		
	SDIS 1.0X5.5X125	2749850000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

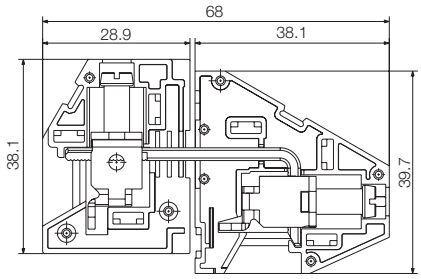
Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 16/Z GN/YE BX	50	2440570000	
WGK 16/Z GY BX	50	2440580000	
WGK 16 GN/YE BX	50		2439600000
WGK 16 GY BX	50		2440560000

WGKV 16



Dimensioned drawing



Ordering data

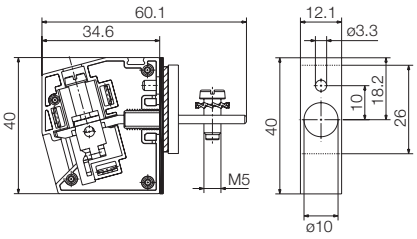
		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGKV 16/Z GN/YE BX	50	2440720000	
WGKV 16/Z GY BX	50	2440730000	
WGKV 16 GN/YE BX	50		2440740000
WGKV 16 GY BX	50		2440750000

For the rated voltage of plastic and metal walls, see the "WGK" notes

WGK 16 VP



Dimensioned drawing



Ordering data

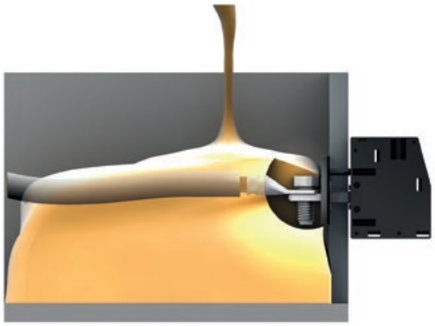
		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGK 16 VP/Z GN/YE BX	50	2440630000	
WGK 16 VP/Z GY BX	50	2440640000	
WGK 16 VP GN/YE BX	50		2440610000
WGK 16 VP GY BX	50		2440620000

For the rated voltage of plastic and metal walls, see the "WGK" notes

Variants

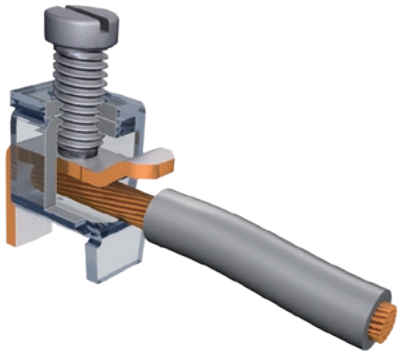
The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.
These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



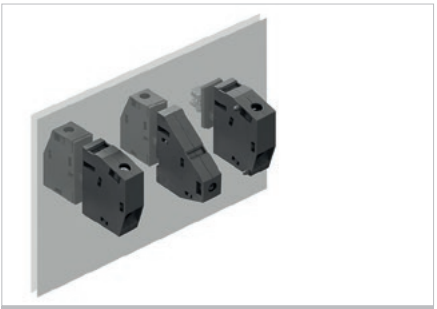
Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection.
When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.
As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved.
Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 35 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 690 V / 101 A / 6 - 35 mm²
UL: 600 V / 100 A / AWG 10 - 3

72h

For additional articles and information, refer to eshop.weidmueller.com

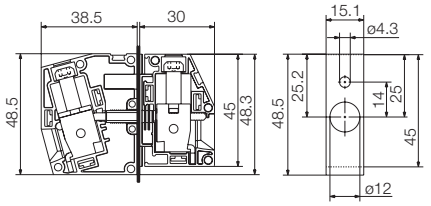
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 4 mm = 800 V; metal walls: 4 - 6 mm = 690 V
- WGKV: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 4 mm = 800 V; metal walls: 4 - 6 mm = 690 V
- WGK...VP: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 4 mm = 690 V; metal walls: 4 - 6 mm = 500 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 25



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	4...35		
Solid core H05(07) V-U	**mm²**	**6...16**		
Stranded H07 V-R	mm²	10...35		
Flexible H05(07) V-K	mm²	10...25		
Flexible with ferrule	mm²	4...25		
Ferrule with plastic collar	mm²	4...25		
Stripping length	mm	18		
Screwdriver blade	mm	1.2 x 6.5		
According to norm				
Tightening torque range	Nm	4...4.5		
Rated current, max.	**A**	**101**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	25		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**690**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**300**
Rated current	**A**	**100**	**100**	**10**
AWG conductor	**AWG**		**10-3**	
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	300
Rated current	A	100	100	10
AWG conductor	AWG		10-3	
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP WGK 25 BK BX	1250590000
	DP WGK 25 GY BX	1936710000
Screwdriver		
	SDIS 1.2X6.5X150	2749860000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

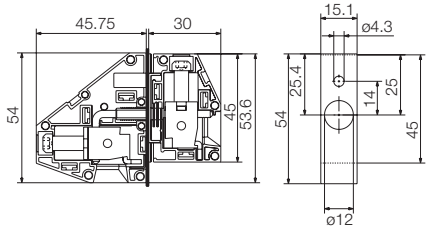
Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 25/Z GN/YE BX	50	2444640000	
WGK 25/Z GY BX	50	2444300000	
WGK 25 GN/YE BX	50		2444650000
WGK 25 GY BX	50		2444660000

WGKV 25



Dimensioned drawing



Ordering data

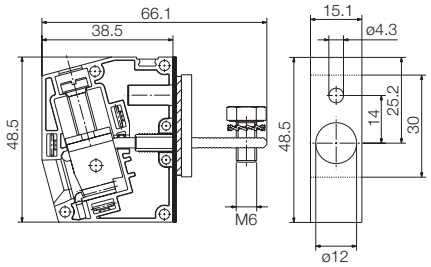
		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGKV 25/Z GN/YE BX	25	2444810000	
WGKV 25/Z GY BX	25	2444860000	
WGKV 25 GN/YE BX	25		2444830000
WGKV 25 GY BX	25		2444820000

Rated voltage for plastic and metal walls such as WGK

WGK 25 VP



Dimensioned drawing



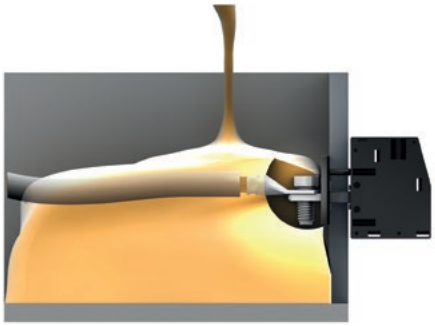
Ordering data

		With lock pins	No lock pins
Type	Qty.	Order No.	Order No.
WGK 25 VP/Z GN/YE BX	50	2444720000	
WGK 25 VP/Z GY BX	50	2444730000	
WGK 25 VP GN/YE BX	50		2444700000
WGK 25 VP GY BX	50		2444710000

Variants

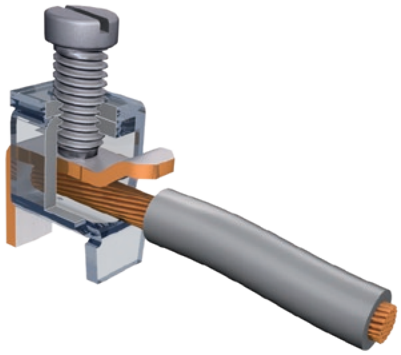
The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.
These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



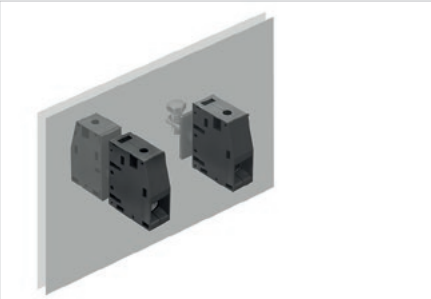
Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.
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When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.
As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved.
Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 50 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 690 V / 150 A / 16 - 50 mm²
UL: 600 V / 150 A / AWG 6 - 1/0

72h

For additional articles and information, refer to eshop.weidmueller.com

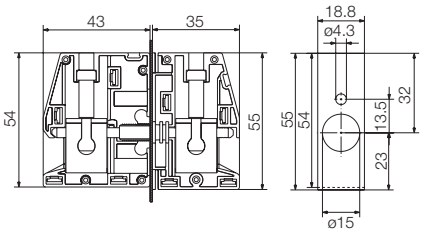
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 6 mm = 690 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 50



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	10...50		
Solid core H05(07) V-U	**mm²**	**16...16**		
Stranded H07 V-R	mm²	16...50		
Flexible H05(07) V-K	mm²	16...50		
Flexible with ferrule	mm²	10...50		
Ferrule with plastic collar	mm²	10...50		
Stripping length	mm	24		
Screwdriver blade	mm	1.2 x 6.5		
According to norm				
Tightening torque range	Nm	4...5.5		
Rated current, max.	**A**	**150**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	50		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**690**		
Rated impulse voltage		6		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**300**
Rated current	**A**	**150**	**150**	**10**
AWG conductor	**AWG**	**6-1/0**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	300
Rated current	A	150	150	10
AWG conductor	AWG	6-1/0		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP WGK 50 BK BX	1250610000
	DP WGK 50	1937030000
Screwdriver		
	SDIS 1.2X6.5X150	2749860000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

Ordering data

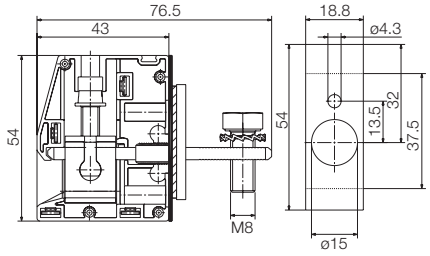
		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 50/Z GN/YE BX	10	2427810000	
WGK 50/Z GY BX	10	2427650000	
WGK 50 GN/YE BX	10		2427660000
WGK 50 GY BX	10		2427640000

WGK 50 VP





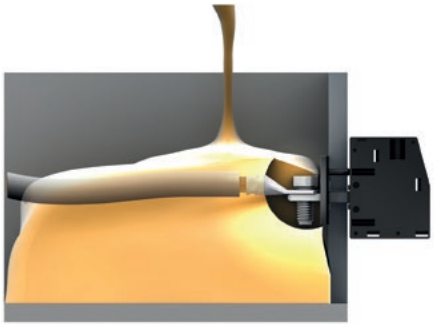
Dimensioned drawing



Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.
These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



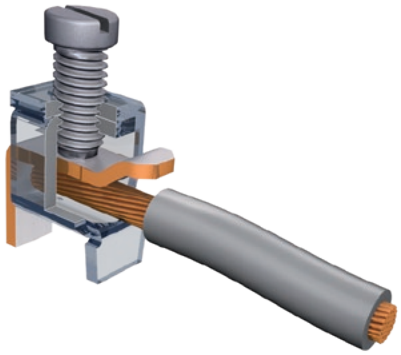
Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 50 VP/Z GY BX	10	**2428300000**	
WGK 50 VP/Z GN/YE BX	10	**2428290000**	
WGK 50 VP GN/YE BX	10		**2428270000**
WGK 50 VP GY BX	10		**2428280000**

For the rated voltage of plastic and metal walls, see the "WGK" notes

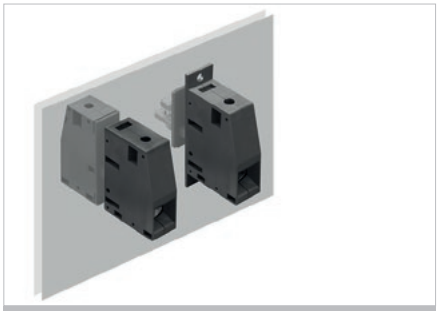
Clamping yoke screw connection

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When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.
As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved.
Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



Feed-through terminals for devices
WGK series – connection up to 95 mm²

max. clamping range: 95 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 1000 V / 232 A / 35 - 95 mm²
UL: 600 V / 255 A / AWG 4 - kcmil 250

72h

For additional articles and information, refer to eshop.weidmueller.com

Note:

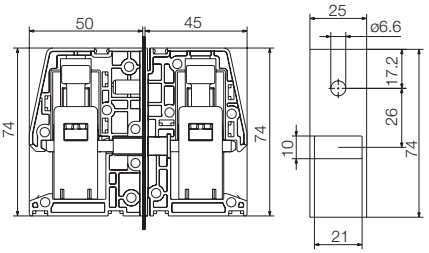
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1–6 mm = 1000 V; metal walls: < 2.5 mm = 1000 V; metal walls: 2.5–3.5 mm = 800 V; metal walls: 3.5–5.5 mm = 690 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 95

Screw connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	35...95		
Solid core H05(07) V-U	**mm²**	**35...95**		
Stranded H07 V-R	mm²	35...95		
Flexible H05(07) V-K	mm²	35...95		
Flexible with ferrule	mm²	35...95		
Ferrule with plastic collar	mm²	35...95		
Stripping length	mm	27		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	15...20		
Rated current, max.	**A**	**232**		
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	95		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage		**1000**		
Rated impulse voltage		8		
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**600**	**600**	**300**
Rated current	**A**	**255**	**255**	**10**
AWG conductor	**AWG**	**4-kcmil 250**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	600	600	300
Rated current	A	255	255	10
AWG conductor	AWG	4-kcmil 250		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D				
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Distance plate		Order No.
	DP WGK 95 BK BX	1250620000
	DP WGK 95 GY BX	1937020000
Marking tags		
	DEK 5/5 MC NE WS	1609801044
	DEK 5/6 MC NE WS	1609820000
	DEK 5/8 MC NE WS	1856740000

Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 95/Z GN/YE BX	10	1937390000	
WGK 95/Z GY BX	10	1937400000	
WGK 95 GN/YE BX	10		1937370000
WGK 95 GY BX	10		1937380000

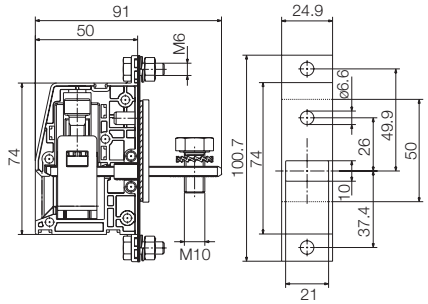
WGK 95 F VP

Cable lug connection





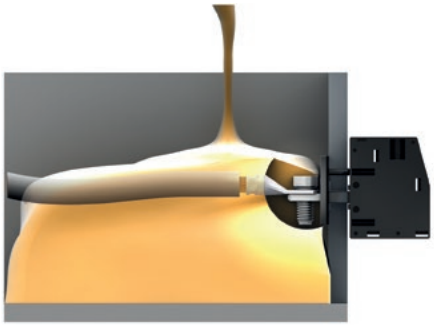
Dimensioned drawing



Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.
These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



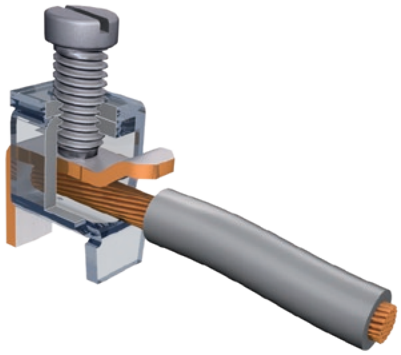
Ordering data

		With lock pins	No lock pins
Type	**Qty.**	**Order No.**	**Order No.**
WGK 95F VP/Z GN/YE BX	10	**1937360000**	
WGK 95F VP/Z GY BX	10	**1937140000**	
WGK 95F VP GN/YE BX	10		**1937120000**
WGK 95F VP GY BX	10		**1937130000**

For the rated voltage of plastic and metal walls, see the "WGK" notes

Clamping yoke screw connection

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OMNIMATE® Power Accessories

OMNIMATE® Power Accessories

Strain relief	R.2
Shielding	R.3
Coding elements / Anti-twist mechanism	R.4
Screwdrivers	R.5
Test plug	R.6

BV/SV 7.62HP/02 ZE GR

Strain relief



Ordering data

Colour		Grey
Type	Qty.	Order No.
BV/SV 7.62HP/02 ZE GR		1937550000

BV/SV 7.62HP/04 ZE GR

Strain relief

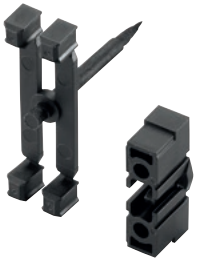


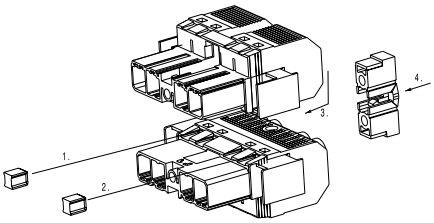
Ordering data

Colour		Grey
Type	Qty.	Order No.
BV/SV 7.62HP/04 ZE GR		1937560000

SVF/BVF 7.62HP COUPLE SET

Couple Set



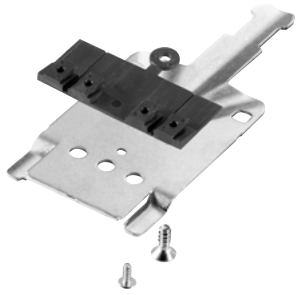


Ordering data

Colour		Grey
Type	Qty.	Order No.
SVF/BVF 7.62HP COUPLE SET		1440850000

BVF 7.62HP SH180 4-6 KIT

Shield support

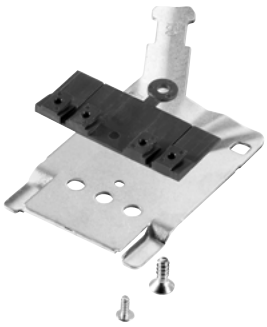


Ordering data

Colour		Grey
Type	Qty.	Order No.
BVF 7.62HP SH180 4-6 KIT		1118470000

BVF 7.62HP SH150 4-6 KIT

Shield support

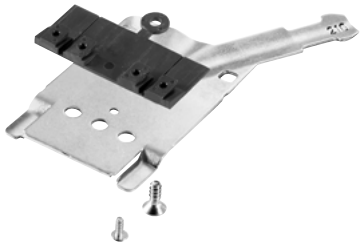


Ordering data

Colour		Grey
Type	Qty.	Order No.
BVF 7.62HP SH150 4-6 KIT		1118480000

BVF 7.62HP SH150 4-6 KIT

Shield support



Ordering data

Colour		Grey
Type	Qty.	Order No.
BVF 7.62HP SH210 4-6 KIT		1118490000

BV/SV 7.62 KO

Coding element



Ordering data

Typ	Qty.	Order No.
BV/SV 7.62HP KO	100	**1937590000**

BV/SV 7.62 KO

Anti-twist mechanism





Ordering data

Type	Qty.	Order No.
SV 7.62 VDS	1	**1853940000**

KO BU/SU 10.16HP BK

Coding element



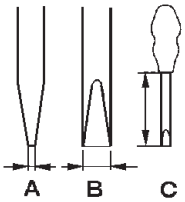
Ordering data

Type	Qty.	Order No.
KO BU/SU 10.16HP BK	1	**1824410000**

SDI

VDE-insulated slotted screwdriver





VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380

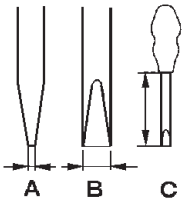
Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SDI		0,4	2,5	75	**2749790000**
SDI		0,5	3,0	100	**2749800000**
SDI		0,6	3,5	100	**2749810000**
SDI		0,8	4,0	100	**2749820000**
SDI		1,0	4,5	125	**2749830000**
SDI		1,0	5,5	125	**2749850000**
SDI		1,2	6,5	150	**2749860000**
SDI		1,6	8,0	175	**2749870000**

SD

Slotted screwdriver with round blade





Slotted screwdriver with round blade, SD

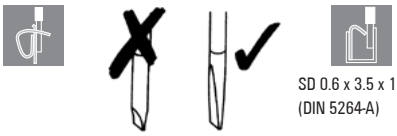
- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip

Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SD		0,4	2,5	75	**2749320000**
SD		0,5	3,0	80	**2749330000**
SD		0,6	3,5	100	**2749340000**
SD		0,8	4,0	100	**2749360000**
SD		0,8	4,5	125	**2749370000**
SD		1,0	5,5	150	**2749380000**
SD		1,2	6,5	150	**2749390000**

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection



You do not need any special tool to connect or disconnect our tension clamp connection.
The opening is designed to accommodate a standard 0.6 x 3.5 x 100 screwdriver 2749040000 to DIN 5264-A (with flat blade).

SDK PH/PZ

Crosshead screwdriver





Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip

Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- Chrome top tip

Ordering data PH

Type	Dims. (mm)	A	B	C	Order No.
SDK PH0	0			60	**2749400000**
SDK PH1	1			80	**2749410000**
SDK PH2	2			100	**2749420000**
SDK PH3	3			150	**2749430000**

Ordering data PZ

Type	Dims. (mm)	A	B	C	Order No.
SDK PZ1	1			80	**2749440000**
SDK PZ2	2			100	**2749450000**
SDK PZ3	3			150	**2749460000**

PS 2.0 MC

Test plug



- For conductors up to 0.75 mm² (AWG 18).
- Gold-plated lantern-type contact.
- Conductor must be soldered to contact in test plug.

Ordering data

Typ	Wire cross-sections	Qty.	Order No.
PS 2.0 MC	≤ 0,75 mm²	20	**0310000000**

OMNIMATE® Housings
Electronic housings

OMNIMATE® Housings
Electronic housings

OMNIMATE® Housings

	Explanation	S.2
	Orientation guide	S.4

CH20M modular housing series

	Explanation	S.6
	Orientation guide	S.15
	Connection technology selection guide	S.18
	Product selection	S.20

TERMINALBOX small housing series

	Explanation	S.42
	Product selection	S.43

RS profile housing series

	Explanation	S.44
	Orientation guide	S.46
	Product selection	S.48

Accessories

	Mounting foot	S.51
	Identification systems	S.51
	Screwdrivers	S.52

u-maker Box – the Raspberry Pi housing

	Explanation	S.54
	Product selection	S.56

OMNIMATE® Housings
Electronic housings

The perfect platform for form and function – including terminal layouts, bulk products and "tailor-made suits straight off the rack".

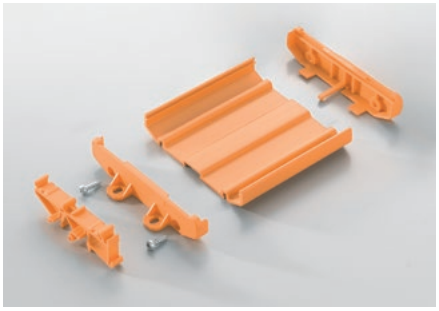
Weidmüller's electronics provide a state-of-the-art platform for electronics applications: for all design types and usage areas. The application and its requirements are the foundation for the housing design:

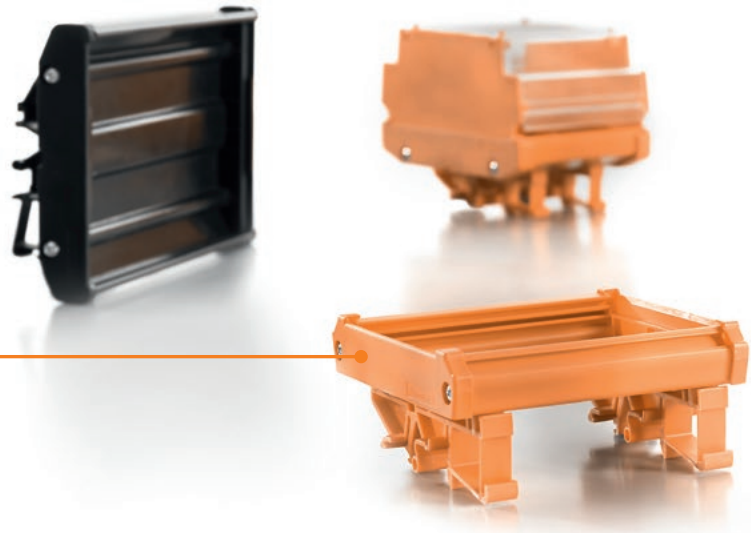
Modular housing using the standard pitch sizes are particularly well suited for standardised electrical cabinet applications.

Because of their excellent flexibility and variability, profile housings are the perfect solution for custom constructions and small-batch series.

The perfect blend of design, connection technology and functionality result in a design that is well tailored to market and application requirements.

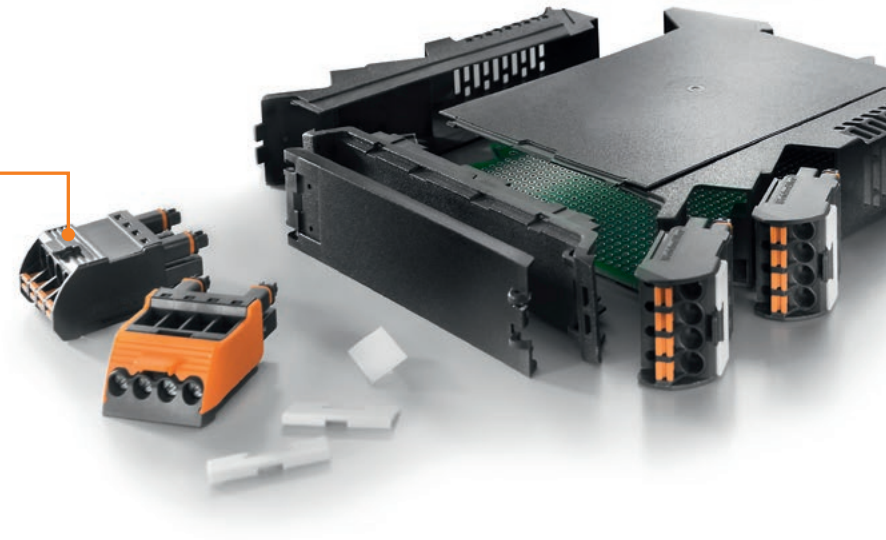
Flexibility
Profile housing – the perfect solution for custom constructions and smallbatch series.





Reliability
Weidmüller´s legendary quality and well established, proven connection technology guarantee maximum availability for your systems.





Innovation
Attention to detail: with the integrated, captive "AutoSet" coding function.







Efficiency
Reduce costs and increase productivity: SMT/SMD connectors packed suitably for fully automated production.



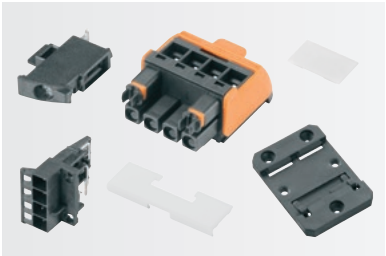
Modular housing for mounting on rail
Modular housing: function, form and processing all contribute to a single cohesive unit that offers safety, manufacturing efficiency and usability.



Profile housing in profile shape
Profile housing in profile shape - the flexible modular system of coloured and transparent plastic profiles and support modules provides the optimum balance between flexibility and efficiency.



Accessories
Comprehensive range of system accessories for integrating your assembled electronics "package" into the system environment - from attachment and connection to marking systems.



Electronic housings

With 6 housing systems, Weidmüller's electronics housing portfolio offers a platform for electronic applications in any design and for all application areas.

Detailed design information and the most important product-related data is available on the respective product pages. Data sheets and CAD models are available online for download.

CH20M – Modular Rail-mounted housing



System description (key points)	Component housing system IP 20
Scalability	• 7 housing widths from 6 to 67.5 mm:
Widths	• 6,1 / 12,5 / 17,5 / 22,5 / 35[1] / 45 / 67,5
Design	• Individually configurable
Type of assembly of the PCB	• THR and THT assemblies
Application	• Optional connection of devices via mounting rail bus
Connection system	**Connectors (touch-safe both sides)**
Number of conductors that can be connected	• 2 – 72
Number of slots for female plugs	• 1 – 18
Design options	**Individually configurable**
Housing design	• Asymmetrical port configuration • Individual processing / modification
PCB layout	• Large net layout space of up to 9000 mm² • Up to 3 flexibly positioned PCBs • Both sides can be fitted with components
Labelling & marking	• Pad & laser printing • Device markers for female connector • Device markers for hinged cover
Standard housing colours (Other colours on request)	• Black • Graphite grey • Traffic red • Black, transparent • Traffic grey • Traffic yellow • Agate grey • Light blue • Transparent • Light grey
Additional features	**Optional or standard**
optional (excerpt)	• Integrated mounting rail bus • FE mounting rail contac • Preparation for SIM card insertion
standard (excerpt)	• Integrated, captive 16-fold "AutoSet" coding • Integrated release lever • Choice of PUSH-IN or clamping yoke connection • "Wire ready" and "wire guard" (protection against mis-inserting) • Transparent hinged cover, sealable

Legend of symbols

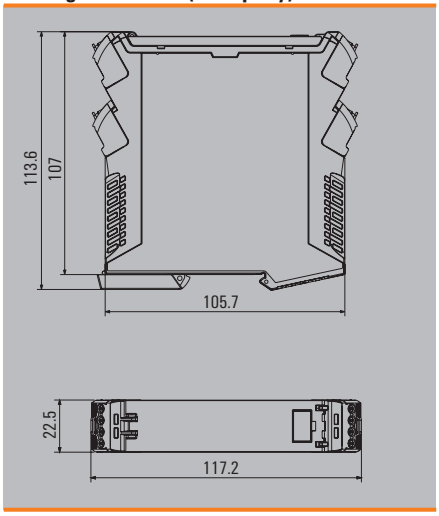
Clamping yoke screw connections

PUSH IN spring connection

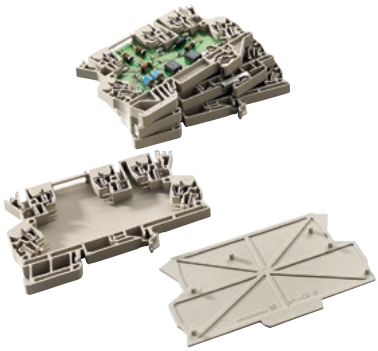
Tension clamp connection

Note: 1) On request

Housing dimensions (exemplary)



TERMINALBOX – Terminal housing



Small housing IP 20
- TERMINALBOX: 6.0 mm
- Miniature plate housing
- Compact enclosure in terminal format
- E.g. for I/O-plate applications

Connection terminals
- 4 – 6
- 2 – 3

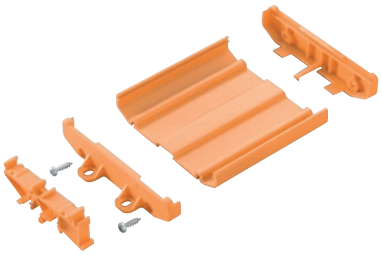
2 versions
- TERMINALBOX: optionally with cover plate

- Pad-print printing

- Black
- Pebble grey
- Grey beige
- Light blue

Optional
- Cross-connector 32 A

RS 80-122 – Profile housing variable



Variable extruded profile case IP 20
- Standard length 2 m, optionally cut to size
- Circuit boards 80 to 122 mm
- Precisely cut lengths
- Modules protected with a clear cover

Female connectors or terminals
- As needed
- 1 – 3

Combinable and a perfect fit
- See-through covers in 2 sizes
- End plates in 3 sizes

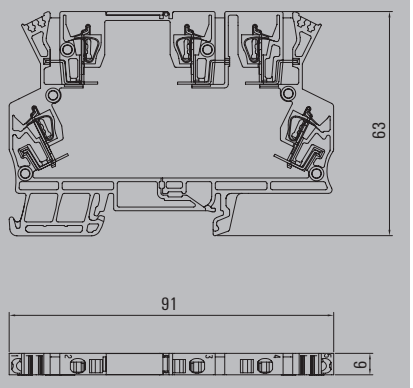
- Standard circuit cards (EURO format)
- Up to 2 PCBs stackable
- Double-sided installation

- Pad-print printing
- Standard connector markings
- Marking strips for the cover hood

- Black
- Orange
- Pebble grey
- Signal green

Optional
- Direct mounting

Housing dimensions (exemplary)



Housing dimensions (exemplary)

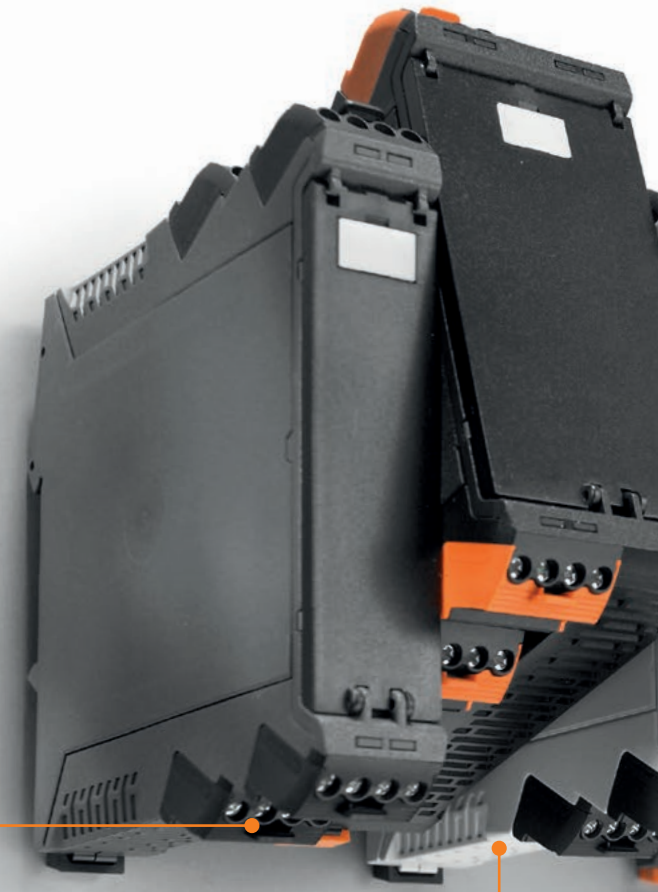
Individual design by combining form, function and appearance

CH20M (Component Housing IP 20 Modular) – Weidmüller's new housing standard – represents the ideal platform for basing customised electronic applications.

Like a "tailor-made suit straight off the rack", the ground breaking module concept combines freedom in design with the low cost and planning security of a standard system.

In addition to scalability, a high level of safety and innovative functionality in the application, the system also convinces with superior attention to detail.

The results are quicker installation, user-friendly operation, high operational reliability and resistance to interference. From development to production, the CH20M represents efficiency. It covers all of the requirements for a modern electronics platform built with the future in mind.



Designed configuration
As many connections as you require and as affordable as you need: scalable connection levels, up to 72 wire connections, individually configurable for each side with 1, 2 or 3 connection levels across all housing widths.



Designed basic colours
With a focus on the important elements: the unobtrusive housing colours (black graphite, grey graphite and light grey) make a competent impression without distracting from the key operational and display elements.



Designed printing
Detailed symbols, data, graphics or text can be printed (with either laser or pad printing) on the large surface available on the housing element.

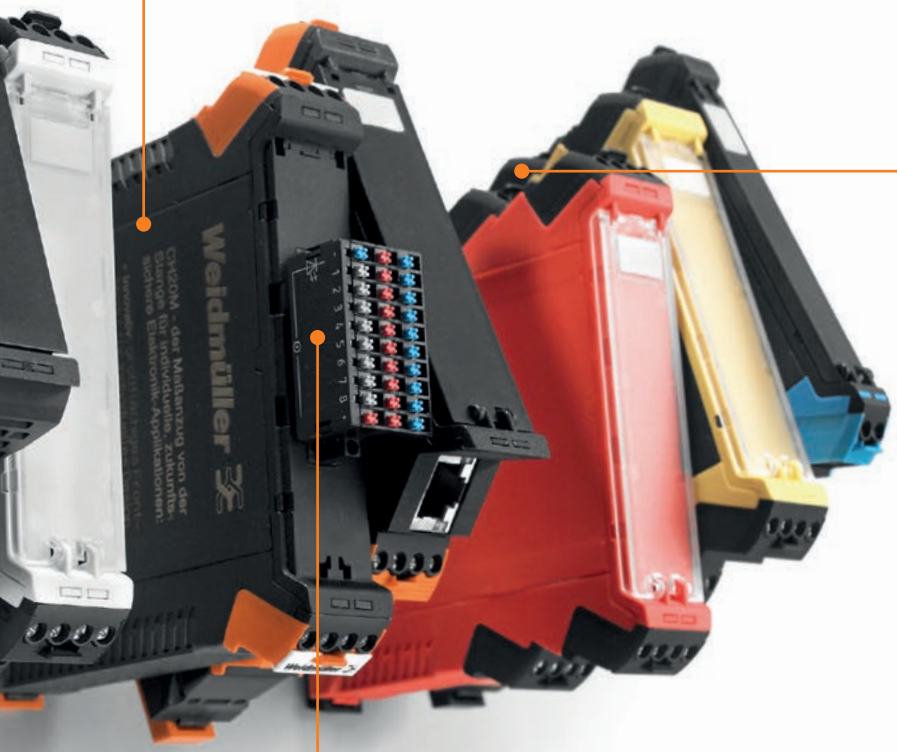


Designed optical appearance
The standard variants, with their modularity and variety, enable you to customise a wide range of designs to fit your application.



Designed functionality
Our comprehensive, standardised configuration variants can be further supplemented with modification and design changes to fit your custom needs.

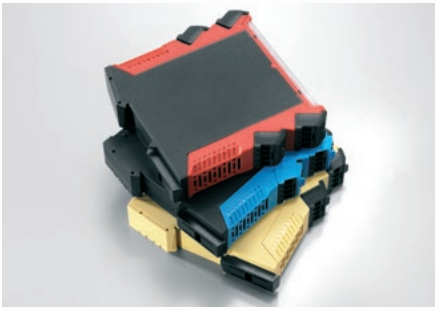




Designed modifications
Modifying after the configuration: for example by integrating the pluggable 30-pole BL-I/O LED digital I/O connection level in the front or with the RJ45 socket on the side.



Designed functional colours
More operational confidence with functionally appropriate colour coding: three functional colours (red, yellow and blue coding) can be assigned to key industrial applications.



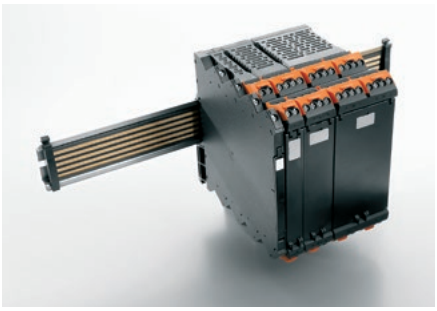
Power, signals and data are provided, connected and distributed securely and consistently

This customer-friendly bus solution brings power, signals and data to the rail in a quick and reliable manner. When supplying, connecting or distributing within modular applications, the rail bus can replace the tedious individual wiring process with a flexible and uninterrupted system solution. As a result, the wiring overhead and the error rate are both reduced. Redundant functions within complex applications can be efficiently centralised or intelligently distributed.

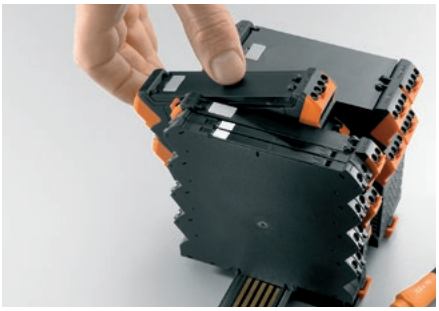
The system bus is securely integrated within the 35 mm standard mounting rail. The SMD-bus contact block can be reflow-soldered so that it can be completely automatically processed during the component assembly. The resistant, gold-plated contact surfaces ensure a permanent and reliable contact for all housing widths.



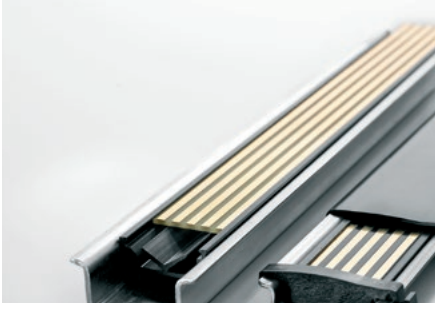
Scalability with no limits
Unique: The integrated connection solution covers all system widths: from the 6 mm slice to the 67 mm large-area housing.



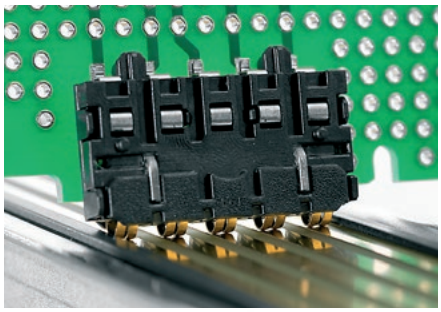
Easy to service during installation:
Quick: It's easy to replace a module, even in existing modules groups – without any influence on the neighbouring modules.

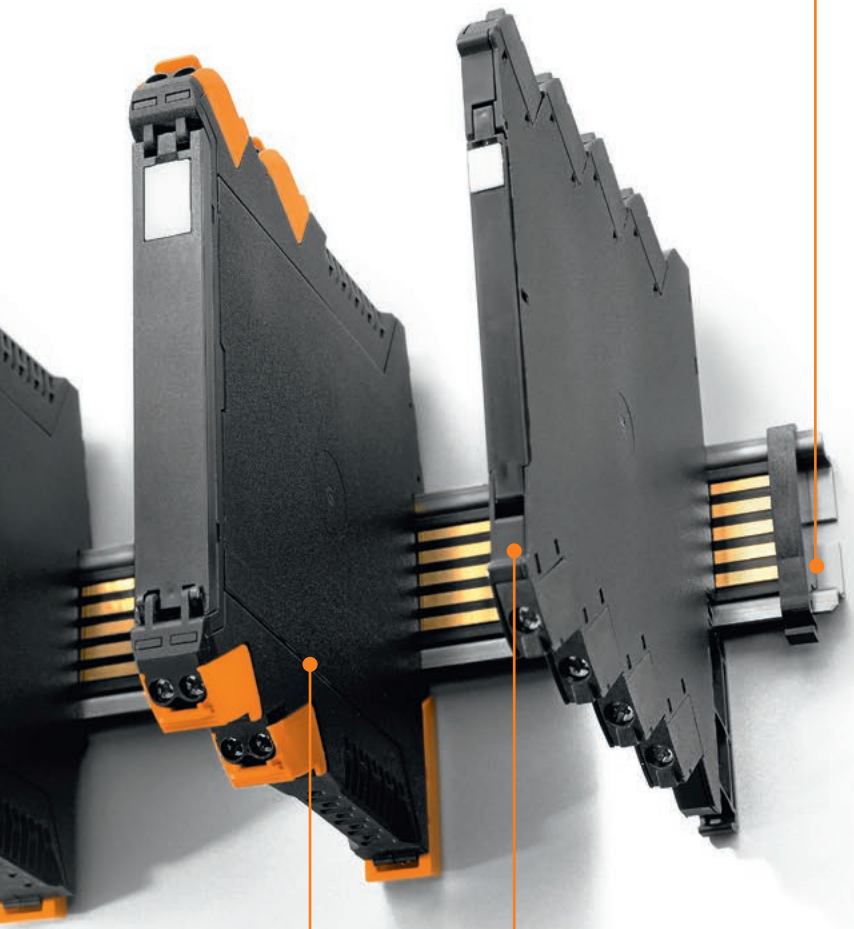


Unlimited configuration
Compatible: The individual modules can be positioned anywhere on any TS 35 standard top-hat rail. Unused areas are safely covered.

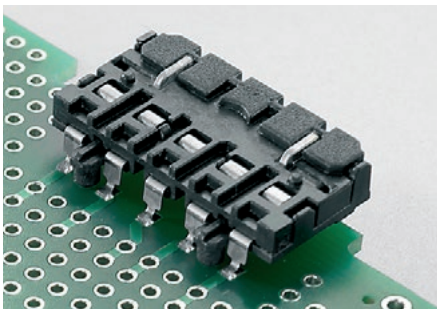


Maximum availability:
Reliable: Five fully-galvanised and partially gold-plated twin-arched contacts are used to establish a permanent contact to the rail bus. THR solder flanges ensure that the connection to the circuit board is stable.

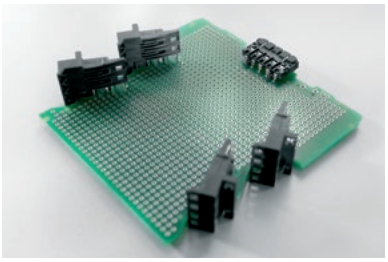




State-of-the-art processing
Efficient: The SMD-compatible bus contact block is made from high-temperature-resistant LCP. It is designed for the SMT reflow process and is delivered in machine-ready packaging.



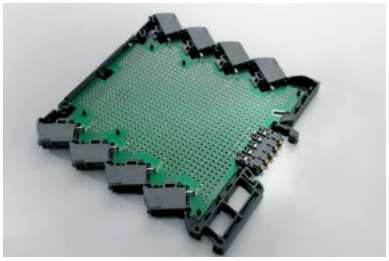
Affordable assembly
Fully automatic: No manual post processing is required for the bus contact block – it is processed with the assembly group in a single SMT assembly process.



Safe installation
Low loss: You can safely avoid undesired bus interruptions and high contact resistances. Maximum facility availability ensured by the old-plated contact surfaces on the system bus and contact block, as well as the consistent system design.



More flexibility in design
From design through production to application - CH20M6 sets the market standard with maximal board space with minimal exterior dimensions as well as allowing fully automatic reflow processing or bus connections.

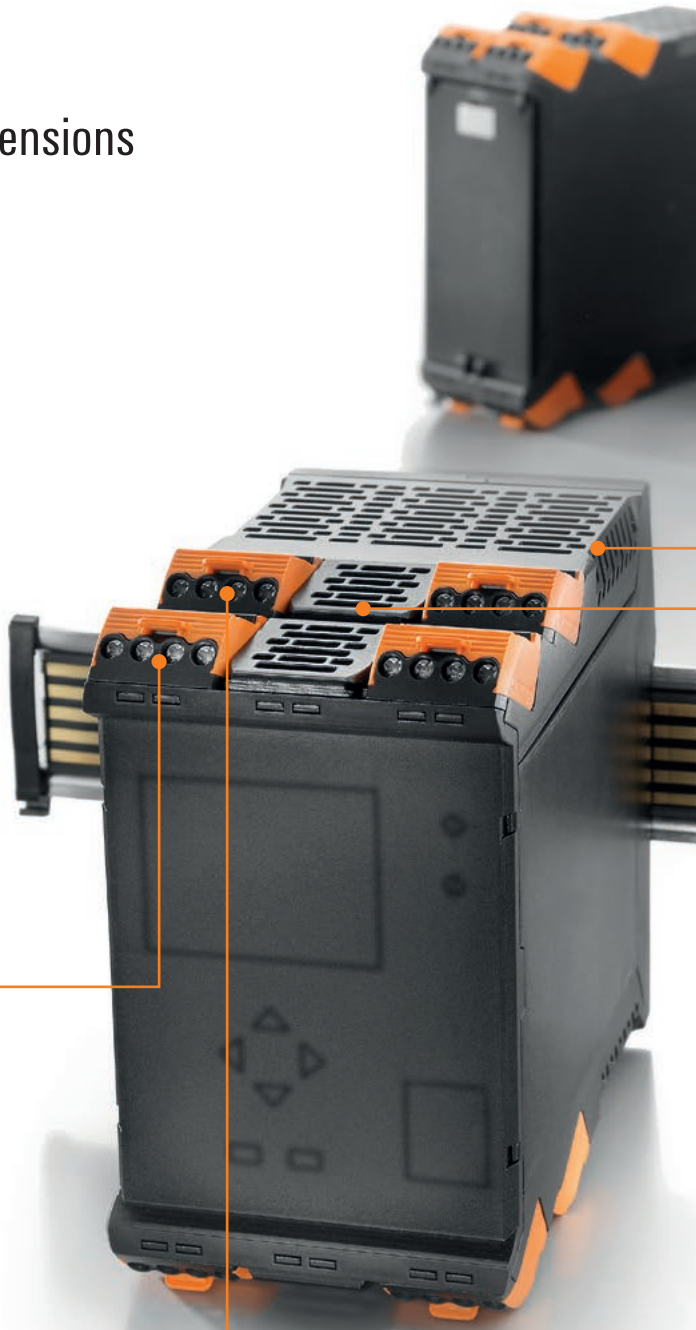


OMNIMATE® Housing – CH20M67

The new housing offers new assembly dimensions in the 67.5 mm equipment class.

The CH20M-67 sets new standards on the market as a large-scale housing in terms of flexibility for integrating intricate electronic subassemblies. You can distribute the electronic functions over as many as three printed-circuit boards. The front surface of the housings also has a unique size that can be used for freely laying out the operator interface.

Like all housings of the CH20M family from Weidmüller, the CH20M-67 also supports the connection to the mounting rail bus. The system bus is reliably integrated into the 35-mm standard mounting rail and replaces painstaking and error-prone individual wiring.



More reliability when connecting the conductors
Series equipment: The built-in conductor wire guard underinsertion protection prevents the hazardous underinsertion of the conductor and protects it from concealed contact faults. Being wire ready ensures that all connecting points are completely open at delivery.



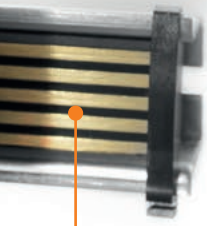
More speed at installation
Series equipment: Screwed connections with wiring, supported by plus-minus screws, with power tools just right for automatic equipment.





More layout area
The side Ventilation openings are standard equipment in the semi-cooling design and provide sufficient convection for demanding electronics with the maximised layout area on the printed-circuit board.

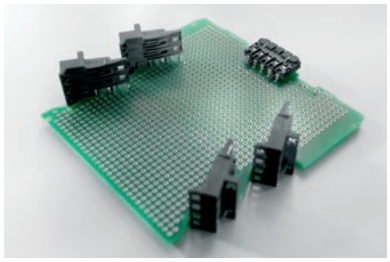




More flexibility for interfaces
Unused plug-in stations or connections that are only accessible from the factory side can be reliably and permanently sealed with the optional AD-SHL-SMT cover.



More design freedom
There is room for one to three printed-circuit boards placed on both sides CH20M-67. There is maximum design flexibility since each printed-circuit board can take four freely selectable positions in the housing.



More mounting space
The printed-circuit boards can be positioned at a distance of 2.3 mm (and also 5 mm to the housing wall). This gives you the free choice of single- or double-sided assembly.



More stability on the mounting rail
The built-in click-in base is premounted at the factory which guarantees easy, reliable and vibration-free fastening on the DIN mounting rail. A guide with four points of support provides a solid base.



OMNIMATE® Housings Design-IN made easy

From the circuit diagram to the PCB

Our electronics housings can be customised quickly and easily with the aid of the Weidmüller Configurator.

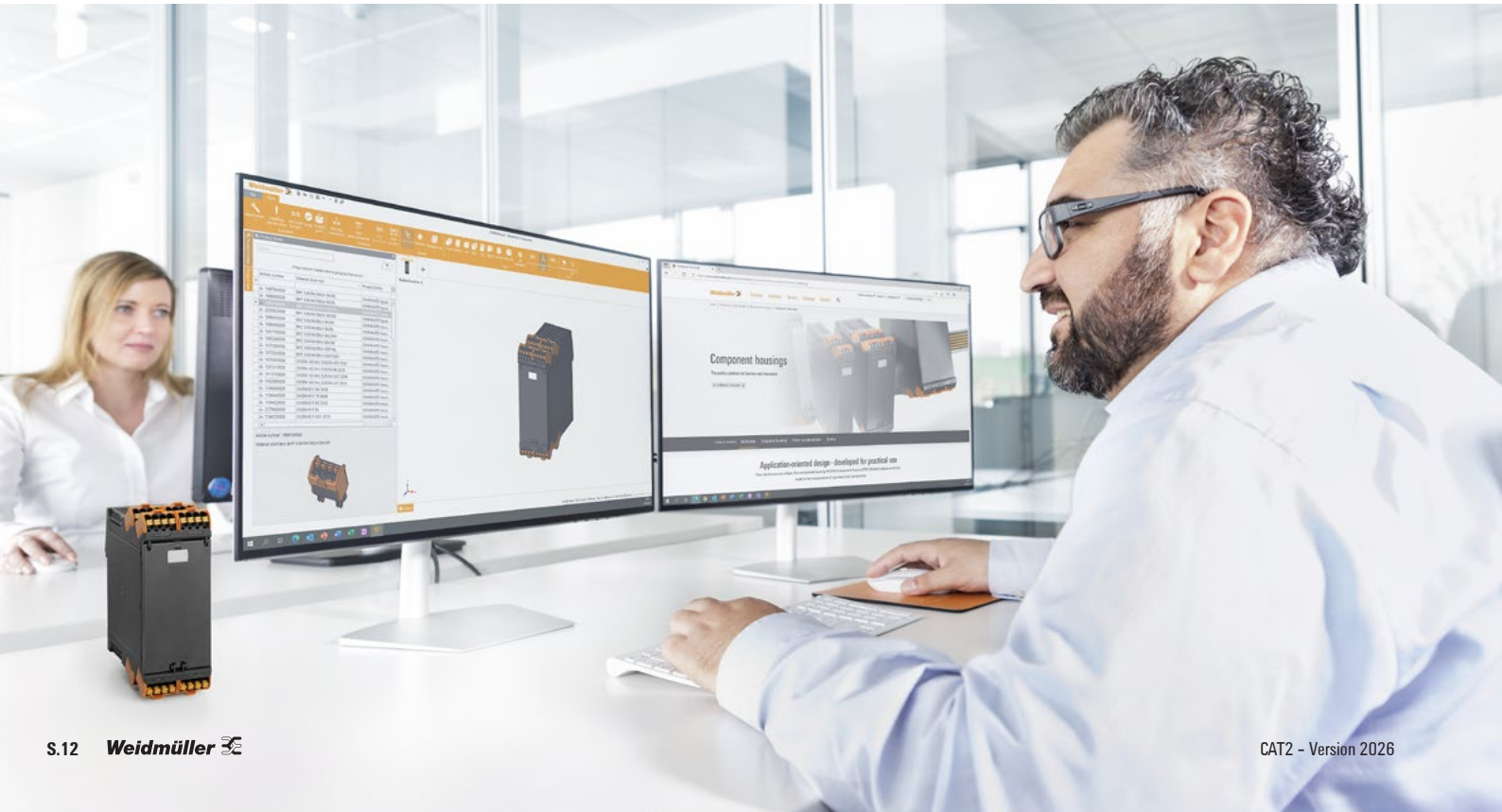
Efficient digital engineering
The Weidmüller Configurator (WMC) & EDA data

1. Tried-and-tested configuration designs in real 3D
Configure your own housing quickly and easily with the Weidmüller Configurator. The smart linking of our assembly-specific individual parts enables a simple and clear assembly of your housing. The integrated plausibility and collision check together with the complete digital documentation ensures that you can rely 100% on your configuration.

2. Seamless CAD Integration
Integrated interfaces enable the simple export of product data between the WMC and all common CAD tools.

3. Quickly and easily back on the PCB
With our EDA component library and predefined PCB layouts, you can quickly and easily integrate our products into your EDA software.

Get started online now!
www.weidmueller.com/wmc



OMNIMATE® sample service

Quick and easy from an idea to your desk.

Try out our electronics housings yourself and order up to three free samples from the OMNIMATE® sample service. These are available in the form of pre-assembled demonstration samples and unassembled development kits.

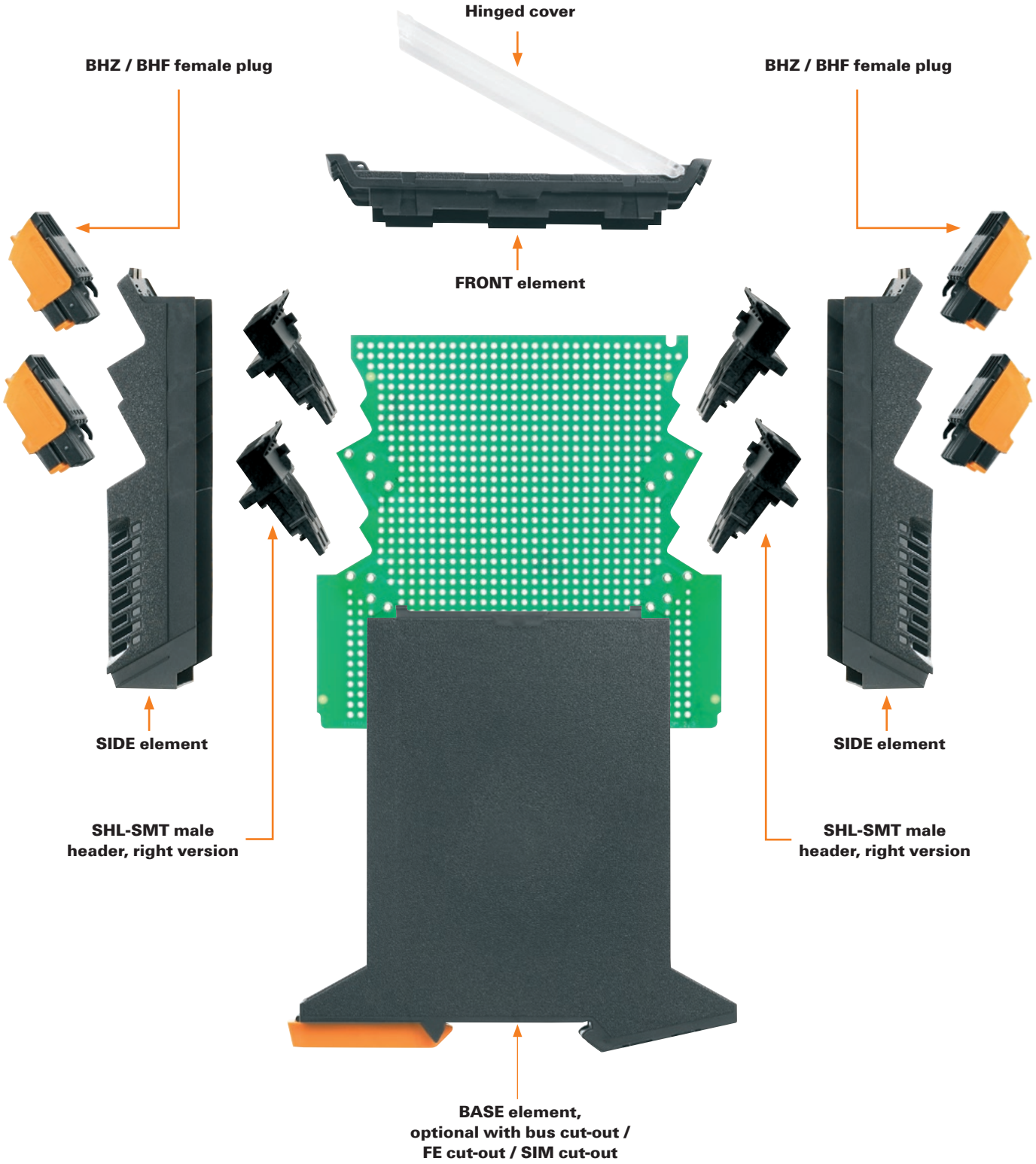
For your first circuits, stripboards are also available from this service and will be on your desk within 72 hours.

www.weidmueller.com/housingsample



Type	Qty.	Order No.
Demonstration sample		
SAMPLE CH20M6 4/4 ASSEMBLED	1	**1203310000**
SAMPLE CH20M12 2/2 ASSEMBLED	1	**1111630000**
SAMPLE CH20M17 3/3 ASSEMBLED	1	**1167200000**
SAMPLE CH20M22 2/2 ASSEMBLED	1	**1105600000**
SAMPLE CH20M45 22/22 ASSEMBLED	1	**1111640000**
SAMPLE CH20M67 222/222 ASSEMBLED	1	**1270820000**
Development kit		
SAMPLE CH20M6 4/4 PCB	1	**1203290000**
SAMPLE CH20M12 2/2 PCB	1	**1167190000**
SAMPLE CH20M17 3/3 PCB	1	**1255820000**
SAMPLE CH20M22 2/2 PCB	1	**1158390000**
SAMPLE CH20M45 22/22 PCB	1	**1203350000**
SAMPLE CH20M67 222/222 PCB	1	**1275810000**
Hole pattern boards		
SAMPLE LP CH20M6	1	**1171090000**
SAMPLE LP CH20M PPX	1	**1105580000**
SAMPLE LP CH20M PPP	1	**1317200000**
Bus system sample		
SK S-KIT IN-RAIL BUS CH20M 12-67	1	**1327040000**

OMNIMATE® Housing – System CH20M
System overview



Housing elements	Description/Type	Design options
Hinged cover	**COVER (CH20Mxx C xx)**	**Transparent**
	• Transparent (light or dark) • Holds itself in place when opened • Sealable	• Pad printing • Markable • Machinable
Housing front	**FRONT (CH20Mxx F xx)**	1)
	• Large usable surface for the operational and display elements • Can be customised	• Laser marking • With hinges for cover • Optionally without preparation for hinged cover
Connection area	**SIDE (CH20Mxx S xx)**	1)
	• 1 - 3 connection levels • Can be configured asymmetrically • For up to 3 circuit boards • Up to 72 wires can be connected • Up to 9 slots for female plugs	• Laser marking • 1 - 3 plugging levels • Up to 3 circuit boards, can be populated on both sides • With or without bus cut-out
Housing base	**BASE (CH20Mxx B xx)**	1)
	• For TS 35 DIN rails • Pre-attached snap-on foot • ESD-protected (8kV acc. to EN 61000-4-2) • All elements are permanently snapped in	• Laser marking • With or without bus / SIM cut-out • Optional FE contact • Snap-on foot in 3 standard colours (OR / SW / RD) 1)
Connection system	**BHZ female plug / SHL male header**	1)
	• Reflow compatible • Integrated "AutoSet" coding optional factory-encoding • Release lever is standard • Plug can be removed in direction of operation • Can be automatically processed	• Headers packaged in box or on tape • Clamping yoke screw connection • PUSH IN spring connection
Rail bus	**Bus**	
	• Integrated in TS 35 DIN rail • For power, signals and data • 5 conductor paths (max. 5 A / 63 V) • SMD-compatible bus contacts (2 A / 63 V)	7.5 x 35 15 x 35 • Can be shortened to length • For 7.5 and 15 mm with finger-safe hood • Pre-assembled on request

printable (pad printing / laser marking), 123 markable, machinable, variable circuit board position

1) Other colours on request weitere Farben auf Anfrage

Design examples



FRONT element, black
CH20M22 F BK



Hinged cover, black
CH20M22 C BK



FRONT element, black
CH20M22 F BK



FRONT element, black:
for use without hinged cover
CH20M22 FC BK

Connection area (SIDE) with 1 – 3 connection levels



Black SIDE element
3-row,
12 connections
CH20M22 S PPP BK



Black SIDE element
3-row,
8 connections
+ RJ45
CH20M22 S RPP BK



Black SIDE element
2-row,
8 connections
CH20M22 S PPSC BK

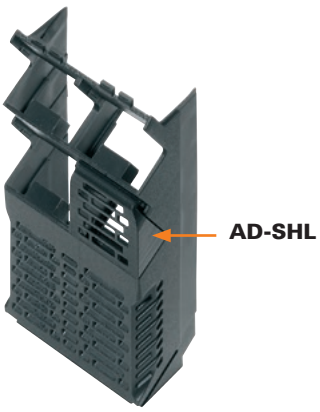


Black SIDE element
1-row,
4 connections
CH20M22 S PSCSC BK

Connection area (SIDE) with 1 – 3 connection levels and varying connection configurations



Black SIDE element
1-row 8 connections-
CH20M45 S P2SC/P2SC BK



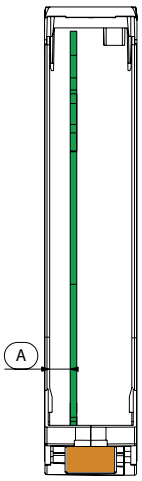
Black SIDE element
2-row 16 connections
CH20M45 S 2PSC/2PSC BK
incl. Male header
CH20M AD-SHL



Black SIDE element
2-row 8 connections
CH20M45 S 2PSC/3SC BK

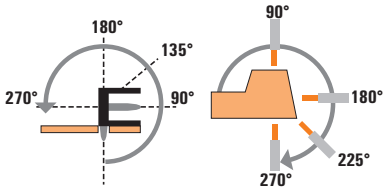


Black SIDE element
2-row 8 connections
CH20M45 S 3SC/2PSC BK



www.weidmueller.com/omnimate

Outlet direction



- = fits for CH20M6
- = fits for CH20M12
- = fits for CH20M17
- = fits for CH20M22, CH20M45, CH20M67

		Type	Orientation	Number of poles	Alignment of connection side	Pin length	Distance moulding wall to PCB (A)
PCB-terminal	Clamping yoke		**LHZ-SMT**	90°	1		
Female plug			**BHZ 5.00**	90°	2		
			**BHZ 5.00**	90°	3		
			**BHZ 5.00**	90°	4		
PCB-terminal	PUSH IN		**LHF-SMT**	180°	1		
Female plug			**BHF 5.00**	180°	2		
			**BHF 5.00**	180°	3		
			**BHF 5.00**	180°	4		

PCB-terminal	Male header							
	THR solder connection				THT solder connection			
								
LHZ/LHF-SMT	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**	**SHL-SMT**
90°/180°	**90°**	**90°**	**90°**	**90°**	**90°**	**90°**	**90°**	**90°**
1	2	3	3	4	4	2	3	4
left/right	left/right	left/right	left/right	left/right	left/right	left/right	left/right	left/right
1.5 mm	4.2 mm	1.5 mm	4.2 mm	1.5 mm	4.2 mm	5.9 mm	5.9 mm	5.9 mm
	2.3 mm	5 mm	2.3 mm	5 mm	2.3 mm	2.3 mm	2.3 mm	2.3 mm
○								
	●					●		
		●	●				●	
				●	●			●
○								
	●				●	●		
		●	●				●	
				●	●			●

CH20M6



Modular component housing for electronic components
• 6.1mm wide

Technical data

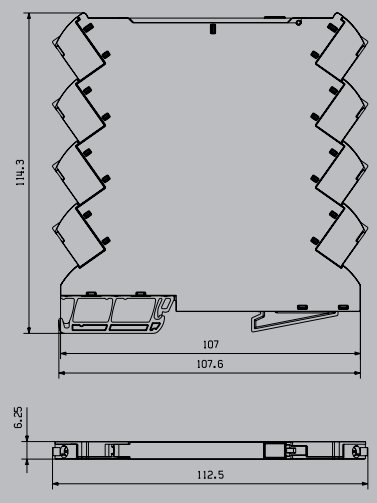
Number of PCBs, max.	1
Number of connection levels, max.	8
Number of poles, max.	8
Height of components on the PCB, max.	3.5 mm
Type of assembly of the PCB	one-sided
UL 94 flammability rating	V-0
Type of insulation material	PBT
Insulating material group	II
Comparative Tracking Index (CTI)	400 ≤ CTI <600

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M6 4/4 ASSEMBLED	1	1203310000
SAMPLE CH20M6 4/4 PCB	1	1203290000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M6 BP

Housing base



Ordering data

Version	Colour	Cut out in clip-on foot area for:	Type	Order No.
Housing base part				
	Agate grey		CH20M6 BP 4P-4P AGY LF 1 1293807	2771450000
	black		CH20M6 BP 4P-4P BK LF 1 1261494	2771470000
	red		CH20M6 BP 4P-4P RD LF 1 1261515	2771490000
Housing base part including preparation for busconnector				
	Agate grey	Bus contact not included!	CH20M6 BP 4P-4P BUS AGY LF 1 1293807	2771420000
	black	Bus contact not included!	CH20M6 BP 4P-4P BUS BK LF 1 1261494	2771430000
	red	Bus contact not included!	CH20M6 BP 4P-4P BUS RD LF 1 1261515	2771410000
Housing base part including functional earth connector				
	black	FE contact not icluded!	CH20M6 BP 4P-4P FE BK 1 1261494	2435460000
	black	FE contact not icluded!	CH20M6 BP 4P-4P FE TGY 1 1293806	3107630000
Note				

CH20M6 C



Ordering data

Version	Colour	Type	Order No.
Flip cover			
	black, Transparent	CH20M6 C BK 1819	2418620000
	Transparent	CH20M6 C TP 8089	1073410000
Note			

CH20M6 BC

Housing side panel



Ordering data

Version	Colour	Cut out in clip-on foot area for:	Type	Order No.
Cover				
	Agate grey		CH20M6 BC 4P-4P AGY 1 1293807	**2771210000**
	black		CH20M6 BC 4P-4P BK 1 1261494	**2771160000**
	red		CH20M6 BC 4P-4P RD 1 1261515	**2771190000**
Cover including preperation for busconnector				
	Agate grey	Bus contact not included!	CH20M6 BC 4P-4P BUS AGY 1 1293807	**2771220000**
	black	Bus contact not included!	CH20M6 BC 4P-4P BUS BK 1 1261494	**2771130000**
	red	Bus contact not included!	CH20M6 BC 4P-4P BUS RD 1 1261515	**2771150000**
Note				

CH20M12



Modular component housing for electronic components
- 12.5 mm wide
- Pluggable wire connection

Technical data

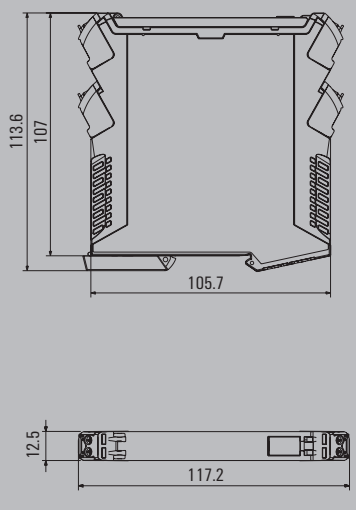
Number of PCBs, max.	1
Number of connection levels, max.	3
Number of slots for female connectors of the mounted assembly, max.	6
Number of poles, max.	12
Height of components on the PCB, max.	6.1 mm
Type of assembly of the PCB	double-sided
UL 94 flammability rating	V-0
Type of insulation material	PA 66 GF 30
Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M12 2/2 ASSEMBLED	1	1111630000
SAMPLE CH20M12 2/2 PCB	1	1167190000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M12 B

Base element



Ordering data

Version	Colour	Color of clip-on foot	Cut out in clip-on foot area for:	Type	Order No.
Housing base element					
	Agate grey	black		CH20M12 B AGY/BK 3747	2554620000
	black	black		CH20M12 B BK/BK 2010	1104170000
	black	orange		CH20M12 B BK/OR 2010	1104180000
Housing base element including functional cut-out in snap-in foot area					
	black	black	Bus contact not included!	CH20M12 B BUS BK/BK 2010	1366350000
	black	orange	Bus contact not included!	CH20M12 B BUS BK/OR 2010	1176980000
	black	orange	FE contact not icluded!	CH20M12 B FE BK/OR 2010	1176990000
Note					

CH20M12 C / CH20M12 F

Cover element / Front element





Ordering data

Version	Colour	Flip cover mountable	Type	Order No.
Front element including preperation for flip cover				
	Agate grey	Yes	CH20M12 F AGY 3747	2554760000
	black	Yes	CH20M12 F BK 2010	1104190000
Flip cover				
	black, Transparent		CH20M12 C BK 1819	1104240000
	Transparent		CH20M12 C TP 8089	1104250000
Note				

CH20M12 S

Side element



Ordering data

Version	Colour	Number of slots for female plugs	Number of ventilation openings	Type	Order No.
Side element with three plugs per side					
	black	3	0	CH20M12 S PPP BK 2010	**1174280000**
	light blue	3	0	CH20M12 S PPP BL 2013	**1294340000**
	Agate grey	3	0	CH20M12 S PPP AGY 3747	**2554690000**
Side element with two plugs per side					
	Agate grey	2	1	CH20M12 S PPSC AGY 3747	**2554860000**
	black	2	1	CH20M12 S PPSC BK 2010	**1104200000**
	light blue	2	1	CH20M12 S PPSC BL 2013	**1104220000**
Side element with one plug per side					
	Agate grey	1	2	CH20M12 S PSCSC AGY	**2638340000**
	black	1	2	CH20M12 S PSCSC BK 2010	**1104210000**
	light blue	1	2	CH20M12 S PSCSC BL 2013	**1104230000**
Note					

CH20M17



Modular component housing for electronic components
- 17.5 mm wide
- Pluggable wire connection

Technical data

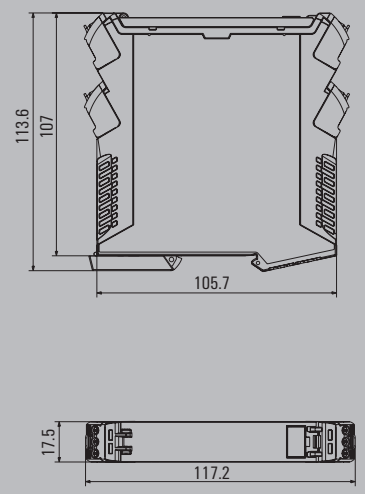
Number of PCBs, max.	1
Number of connection levels, max.	3
Number of slots for female connectors of the mounted assembly, max.	6
Number of poles, max.	18
Height of components on the PCB, max.	11.1 mm
Type of assembly of the PCB	double-sided
UL 94 flammability rating	V-0
Type of insulation material	PA 66 GF 30
Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M17 3/3 ASSEMBLED	1	1167200000
SAMPLE CH20M17 3/3 PCB	1	1255820000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M17 B

Base element



Ordering data

Version	Colour	Color of clip-on foot	Cut out in clip-on foot area for:	Type	Order No.
Housing base element					
	Agate grey	black		CH20M17 B AGY/BK 3747	2554640000
	black	black		CH20M17 B BK/BK 2010	1254120000
	black	orange		CH20M17 B BK/OR 2010	1254130000
Housing base element including functional cut-out in snap-in foot area					
	black	black	Bus contact not included!	CH20M17 B BUS BK/BK 2010	1366280000
	black	orange	Bus contact not included!	CH20M17 B BUS BK/OR 2010	1254180000
	black	black	FE contact not icluded!	CH20M17 B FE BK/BK 2010	1378000000
	black	orange	FE contact not icluded!	CH20M17 B FE BK/OR 2010	1254190000
Note					

CH20M17 C / CH20M17 F

Cover element / Front element





Ordering data

Version	Colour	Flip cover mountable	Type	Order No.
Front element				
	black	No	CH20M17 FC BK 2010	2655080000
	Traffic yellow	No	CH20M17 FC TYL 2083	2655070000
Front element including preperation for flip cover				
	Agate grey	Yes	CH20M17 F AGY 3747	2554750000
	black	Yes	CH20M17 F BK 2010	1254140000
Flip cover				
	black		CH20M17 C BK 1819	1254150000
	Transparent		CH20M17 C TP 8089	1254160000
Note				

CH20M17 S

Side element



Ordering data

Version	Colour	Number of slots for female plugs	Number of ventilation openings	Type	Order No.
Side element with three plugs per side					
	Agate grey	3	0	CH20M17 S PPP AGY 3747	**2554700000**
	black	3	0	CH20M17 S PPP BK 2010	**1254170000**
	Traffic yellow	3	0	CH20M17 S PPP TYL 2083	**1395730000**
Note					

CH20M22



Modular component housing for electronic components
- 22.5 mm wide
- Pluggable wire connection

Technical data

Number of PCBs, max.	1
Number of connection levels, max.	3
Number of slots for female connectors of the mounted assembly, max.	6
Number of poles, max.	24
Height of components on the PCB, max.	16.1 mm

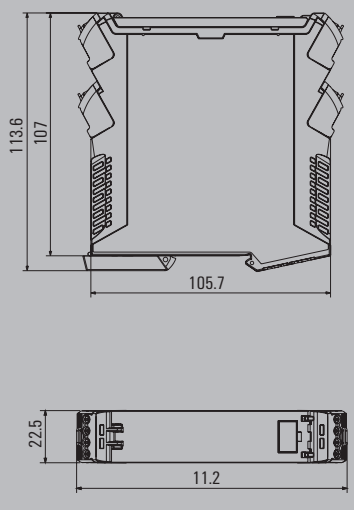
Type of assembly of the PCB	double-sided
UL 94 flammability rating	V-0
Type of insulation material	PA 66 GF 30
Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M22 2/2 ASSEMBLED	1	1105600000
SAMPLE CH20M22 2/2 PCB	1	1158390000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M22 B

Base element



Ordering data

Version	Colour	Color of clip-on foot	Cut out in clip-on foot area for:	Type	Order No.
Housing base element					
	Agate grey	black		CH20M22 B AGY/BK 3747	1545130000
	black	black		CH20M22 B BK/BK 2010	2418630000
	black	orange		CH20M22 B BK/OR 2010	1104450000
	black	red		CH20M22 B BK/RD 2010	2555100000
	red	black		CH20M22 B RD/BK 2014	1206870000
Housing base element including functional cut-out in snap-in foot area					
	black	black	Bus contact not included!	CH20M22 B BUS BK/BK 2010	1243030000
	black	orange	Bus contact not included!	CH20M22 B BUS BK/OR 2010	1177000000
	Agate grey	black	FE contact not icluded!	CH20M22 B FE AGY/BK 3747	1472800000
	black	orange	FE contact not icluded!	CH20M22 B FE BK/OR 2010	1177010000
	black	black	BUS-contact, FE contact not icluded!	CH20M22 B BUS FE BK/BK 2010	1384030000
	black	orange	BUS-contact, FE contact not icluded!	CH20M22 B BUS FE BK/OR 2010	2004700000
	black	orange	Micro SIM card (3FF)	CH20M22 B SIM BK/OR 2010	2743520000
Note					

CH20M22 C / CH20M22 F

Cover element / Front element





Ordering data

Version	Colour	Flip cover mountable	Type	Order No.
Front element				
	Agate grey	No	CH20M22 FC AGY 3747	1472810000
	black	No	CH20M22 FC BK 2010	1209350000
	red	No	CH20M22 FC RD 2014	1206880000
	Traffic yellow	No	CH20M22 FC TYL 2083	1304240000
Front element including preperation for flip cover				
	Agate grey	Yes	CH20M22 F AGY 3747	2554730000
	black	Yes	CH20M22 F BK 2010	2418640000
	red	Yes	CH20M22 F RD 2014	1209380000
	Traffic yellow	Yes	CH20M22 F TYL 2083	1350230000
Flip cover				
	black, Transparent		CH20M22 C BK 1819	2418670000
	Transparent		CH20M22 C TP 8089	1073420000
Note				

CH20M22 S

Side element



Ordering data

Version	Colour	Number of slots for female plugs	Number of ventilation openings	Cut out functional port	Type	Order No.
Side element with three plugs per side						
	Agate grey	3	0		CH20M22 S PPP AGY 3747	**2554840000**
	black	3	0		CH20M22 S PPP BK 2010	**1139790000**
	light blue	3	0		CH20M22 S PPP BL 2013	**1296430000**
Side element with two plugs per side						
	Agate grey	2	1		CH20M22 S PPSC AGY 3747	**2554710000**
	black	2	1		CH20M22 S PPSC BK 2010	**2418650000**
	light blue	2	1		CH20M22 S PPSC BL 2013	**2418660000**
	red	2	1		CH20M22 S PPSC RD 2014	**1206890000**
Side element with one plug per side						
	Agate grey	1	2		CH20M22 S PSCSC AGY 3747	**2554850000**
	black	1	2		CH20M22 S PSCSC BK 2010	**1080630000**
	light blue	1	2		CH20M22 S PSCSC BL 2013	**1070620000**
Side element with two plugs, one functional port per side						
	Agate grey	2	0	RJ45	CH20M22 S RPP AGY 3747	**1472820000**
	black	2	0	RJ45	CH20M22 S RPP BK 2010	**1276590000**
Note						

CH20M45



Modular component housing for electronic components
- 45 mm wide
- Pluggable wire connection

Technical data

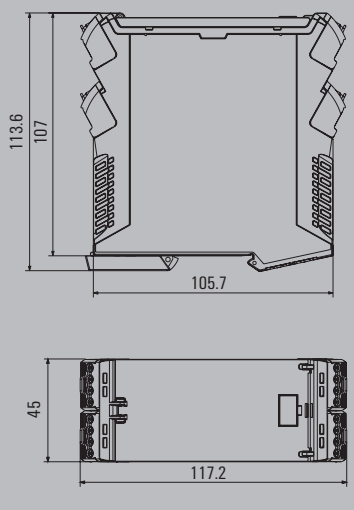
Number of PCBs, max.	2
Number of connection levels, max.	3
Number of slots for female connectors of the mounted assembly, max.	12
Number of poles, max.	48
Height of components on the PCB (usage of 1 PCB), max.	38.6 mm
Height of components on the PCB (usage of 2 PCB), max.	34.7 mm
Type of assembly of the PCB	double-sided
UL 94 flammability rating	V-0
Type of insulation material	PA 66 GF 30
Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M45 22/22 ASSEMBLED	1	1111640000
SAMPLE CH20M45 22/22 PCB	1	1203350000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M45 B

Base element



Ordering data

Version	Colour	Color of clip-on foot	Cut out in clip-on foot area for:	Type	Order No.
Housing base element					
	black	black		CH20M45 B BK/BK 2010	1104400000
	black	orange		CH20M45 B BK/OR 2010	1104410000
	black	red		CH20M45 B BK/RD 2010	2555110000
	red	black		CH20M45 B RD/BK 2014	1206910000
Housing base element including functional cut-out in snap-in foot area					
	black	black	Bus contact not included!	CH20M45 B BUS BK/BK 2010	1476000000
	black	orange	BUS-contact, contact not included!	CH20M45 B BUS BK/OR 2010	1177020000
	black	orange	FE contact not icluded!	CH20M45 B FE BK/OR 2010	1177030000
	black	black	Micro SIM card (3FF)	CH20M45 B SIM BK/BK 2010	2738670000
Note					

CH20M45 C / CH20M45 F

Cover element / Front element





Ordering data

Version	Colour	Flip cover mountable	Type	Order No.
Front element				
	black	No	CH20M45 FC BK 2010	1164800000
	red	No	CH20M45 FC RD 2014	1206920000
Front element including preperation for flip cover				
	black	Yes	CH20M45 F BK 2010	1104420000
	red	Yes	CH20M45 F RD 2014	1209390000
	Traffic yellow	Yes	CH20M45 F TYL 2083	1337640000
Flip cover				
	black, Transparent		CH20M45 C BK 1819	1104430000
	Transparent		CH20M45 C TP 8089	1104440000
Note				

CH20M45 S

Side element



Ordering data

Version	Colour	Number of slots for female plugs	Number of ventilation openings	Cut out functional port	Type	Order No.
Side element with six plugs per side						
	black	6	0		CH20M45 S 3P/3P BK 2010	**1137730000**
	light blue	6	0		CH20M45 S 3P/3P BL 2013	**2624760000**
	Traffic yellow	6	0		CH20M45 S 3P/3P TYL 2083	**1482830000**
Side element with four plugs per side						
	black	4	2		CH20M45 S 2PSC/2PSC BK 2010	**1111720000**
	light blue	4	2		CH20M45 S 2PSC/2PSC BL 2013	**1476910000**
	red	4	2		CH20M45 S 2PSC/2PSC RD 2014	**1206930000**
	Traffic yellow	4	2		CH20M45 S 2PSC/2PSC TYL 2083	**1327990000**
Side element with two plugs per side						
	black	2	4		CH20M45 S P2SC/P2SC BK 2010	**1166180000**
	light blue	2	4		CH20M45 S P2SC/P2SC BL 2013	**2579670000**
Side element with two plugs per side, vertical left						
	black	2	4		CH20M45 S 2PSC/3SC BK 2010	**1137740000**
Side element with two plugs per side, vertical right						
	black	2	4		CH20M45 S 3SC/2PSC BK 2010	**1137750000**
Side element with three plugs, one functional port preperation per side						
	black	3	2	RJ45	CH20M45 S RPSC/2PSC BK 2010	**1500040000**
Side element with two plugs, one functional port per side						
	black	2	2	Mini-USB, RJ45	CH20M45 S 2PSC/RUSC BK 2010	**1500050000**
Note						

CH20M67



Modular component housing for electronic components
- 67.5 mm wide
- Pluggable wire connection

Technical data

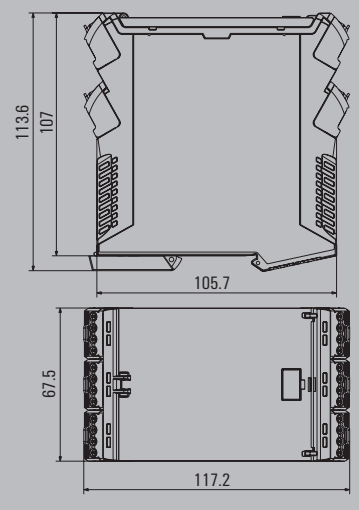
Number of PCBs, max.	3
Number of connection levels, max.	3
Number of slots for female connectors of the mounted assembly, max.	18
Number of poles, max.	72
Height of components on the PCB (usage of 1 PCB), max.	61.1 mm
Height of components on the PCB (usage of 2 PCB), max.	57.2 mm
Height of components on the PCB (usage of 3 PCB), max.	34.7 mm
Type of assembly of the PCB	double-sided
UL 94 flammability rating	V-0
Type of insulation material	PA 66 GF 30
Insulating material group	I
Comparative Tracking Index (CTI)	600 ≤ CTI

Demo/Sample Kit

Type	Qty.	Order No.
SAMPLE CH20M67 222/222 ASSEMBLED	1	1270820000
SAMPLE CH20M67 222/222 PCB	1	1275810000

Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping)

Dimensioned drawing



CH20M67 B

Base element



Ordering data

Version	Colour	Color of clip-on foot	Cut out in clip-on foot area for:	Type	Order No.
Housing base element					
	black	black		CH20M67 B BK/BK 2010	1235270000
	black	orange		CH20M67 B BK/OR 2010	1235250000
	Traffic yellow	black		CH20M67 B TYL/BK 2083	2653360000
Housing base element including functional cut-out in snap-in foot area					
	black	black	Bus contact not included!	CH20M67 B BUS BK/BK 2010	1490820000
	black	orange	Bus contact not included!	CH20M67 B BUS BK/OR 2010	1247240000
	Graphite grey	black	Bus contact not included!	CH20M67 B BUS GGY/BK 2019	1413780000
	black	orange	FE contact not icluded!	CH20M67 B FE BK/OR 2010	1247250000
	black	orange	FE contact not icluded!	CH20M67 B 2FE BK/OR	2745200000
Note					

CH20M67 F

Front element



Ordering data

Version	Colour	Flip cover mountable	Type	Order No.
Front element				
	black	No	CH20M67 FC BK 2010	1235310000
	Graphite grey	No	CH20M67 FC GGY 2019	1413810000
	Traffic yellow	No	CH20M67 FC TYL 2083	2653370000
Note				

CH20M67 S

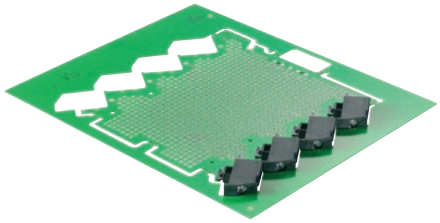
Side element



Ordering data

Version	Colour	Number of slots for female plugs	Number of ventilation openings	Type	Order No.
Side element with nine plugs per side					
	black	9	0	CH20M67 S 3P/3P/3P BK 2010	**1420370000**
	Graphite grey	9	0	CH20M67 S 3P/3P/3P GGY 2019	**1455770000**
	Traffic yellow	9	0	CH20M67 S 3P/3P/3P TYL 2083	**2653380000**
Side element with six plugs per side					
	black	6	3	CH20M67 S 2PSC/2PSC/2PSC BK 2010	**1235320000**
	Graphite grey	6	3	CH20M67 S 2PSC/2PSC/2PSC GGY 2019	**1413820000**
Note					

LHZ, LHF



THR PCB terminal for 6 mm housings,
CH20M6 reflow-compatible,
Pole count: 1
solder pin length: 1.5 mm
Orientation: 90° / 180°

LHZ-SMT 1.5SN BK

PCB terminal with screw connection



Technical data

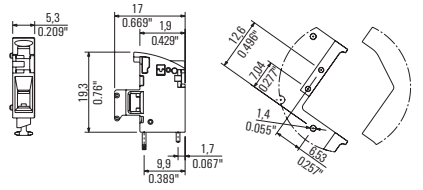
Insulating material	LCP
Flammability rating (UL 94)	V0
Rated voltage	250 V
Rated current	13 A

Conductors that can be connected	
Clamping range	0.13 mm² - 2.5 mm²
Wire cross-section, AWG, min.	AWG 26 - AWG 14
Solid, min. H05(07) V-U	0.2 mm² - 2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm² - 2.5 mm²
With wire-end ferrule with DIN 46 228/4, min.	0.2 mm² - 2.5 mm²

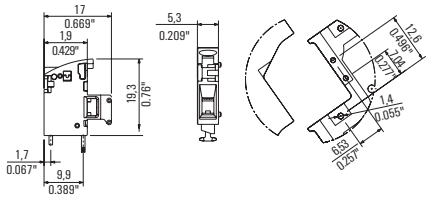
Rated data according to DIN IEC	
Rated voltage for surge voltage class / contamination degree III/3	250 V
Rated impulse voltage for surge voltage class / contamination degree III/3	4 kV
Rated voltage for surge voltage class / contamination degree III/2	320 V
Rated impulse voltage for surge voltage class / contamination degree III/2	4 kV
Rated voltage for surge voltage class / contamination degree II/2	500 V
Rated impulse voltage for surge voltage class / contamination degree II/2	4 kV

Note: Rated data according to UL – refer to the online data sheet

Dimensional drawing



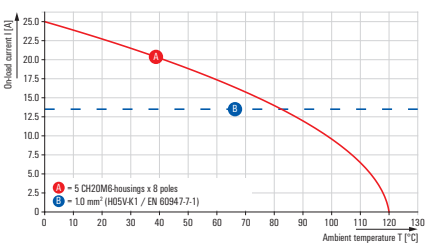
Version left



Version right

Derating curve

LHZ-SMT



Ordering data

Type / Version	Qty.	Order No.
LHZ-SMT L 1.5SN BK RL Left version, tape-on-reel	432	**2418580000**
LHZ-SMT R 1.5SN BK RL Right version, tape-on-reel	432	**2418590000**
LHZ-SMT L 1.5SN BK BX Left version, Box packaging	306	**1137870000**
LHZ-SMT R 1.5SN BK BX Right version, Box packaging	306	**1137880000**

LHF-SMT 1.5SN BK/GY

PCB terminal with PUSH IN connection



Ordering data

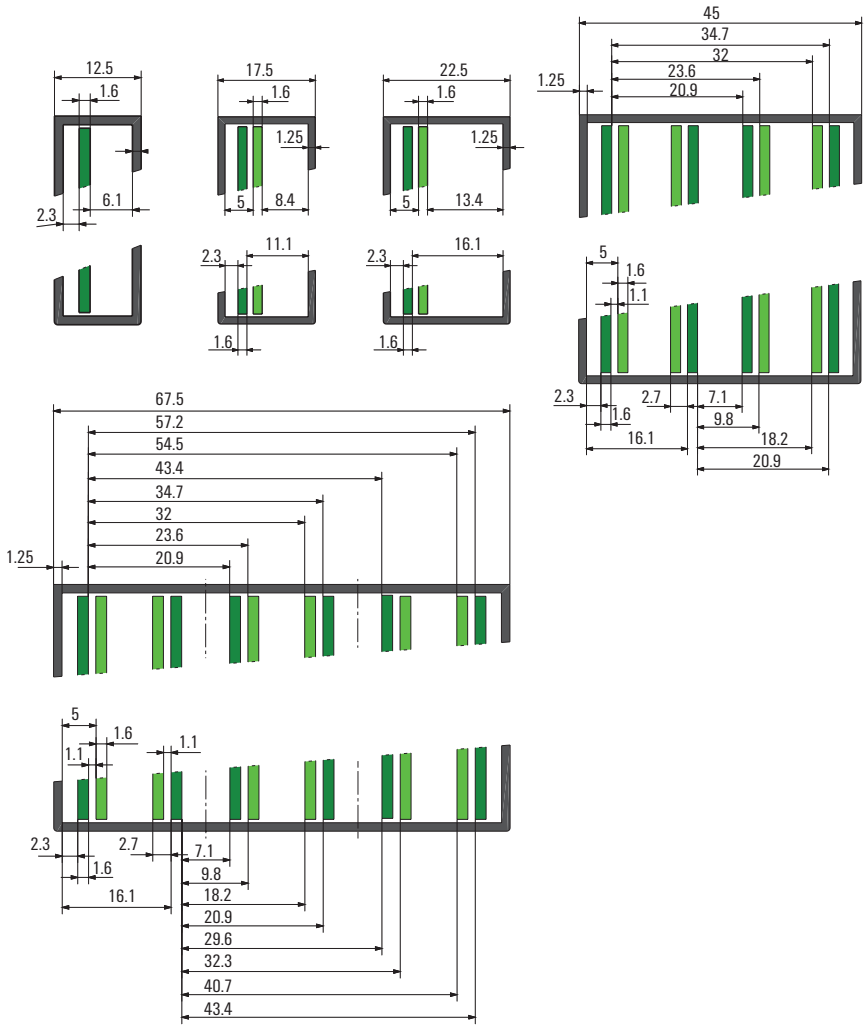
Type / Version	Qty.	Order No.
LHF-SMT L 1.5SN BK/GY RL Left version, tape-on-reel	432	**3157040000**
LHF-SMT R 1.5SN BK/GY RL Right version, tape-on-reel	432	**3157050000**
LHF-SMT L 1.5SN BK/GY BX Left version, Box packaging	306	**on request**
LHF-SMT R 1.5SN BK/GY BX Right version, Box packaging	306	**on request**

Circuit board positions in CH20M

Housing width (mm)	12.5	17.5	22.5	45.0	67.5
Number of circuit boards	1	1	1	2	3
Positions per circuit board	1	2	2	4	4



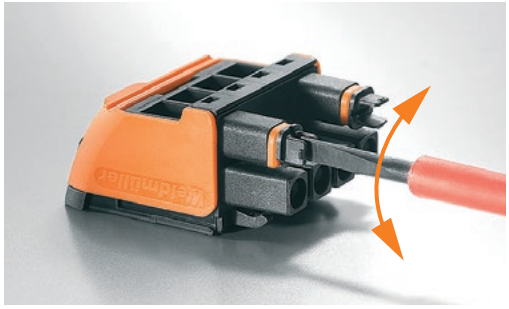
Dimensional sketch



Features of the BHZ/BHF/SHL-SMT connector system

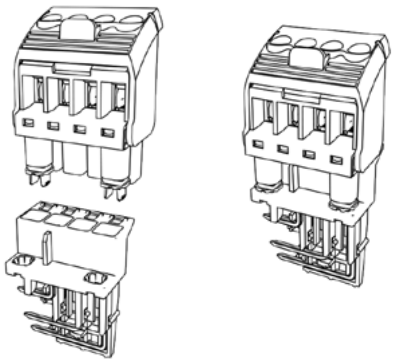
- Clamping yoke screw connection – with "WireReady", wire guard protection and plus/minus screw
- Integrated, captive coding (with "AutoSet" function) protects against accidental mismatch
- Leading contact on the male headers
- Finger-safety provided for both, male and female connector
- PUSH IN wire connection for especially fast wiring of electronics

❶



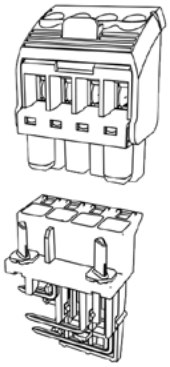
Coding can be set with one of 16 possible configurations

❷



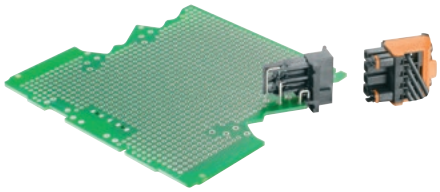
Connecting the female connector

❸



Male header coding transferred to module

SHL-SMT



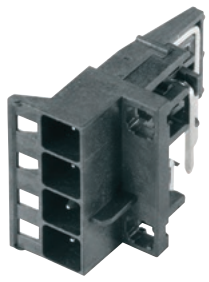
THR male header for modular housing CH20M12-67
Can be reflow soldered, resistant to high temperatures
The position of the PCB (see also dimensional sketch) is determined through the configuration of the pin headers
Suffix 1.5: PCB position 5,0 mm / pin length 1,5 mm (Reflow)
Suffix 4.2: PCB position 2,3 mm / pin length 1,5 mm (Reflow)
Suffix 5.9: PCB position 2,3 mm / pin length 3,2 mm (Wave)

Technical data

Insulating material	LCP
Flammability rating (UL 94)	V0
Rated voltage	250 V
Rated current	10 A

Rated data when used together with BHZxx female plug: refer to page N.32

SHL-SMT 5.00/GL BX



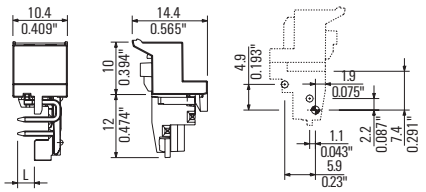
Left-sided pin header
Box packaging

Ordering data

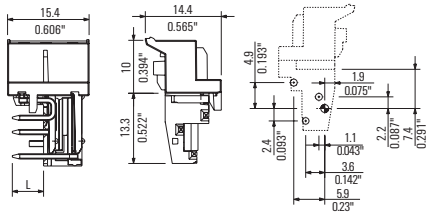
Type / Version	Poles	Qty.	Order No.
SHL-SMT 5.00/02GL 4.2BX	2	150	**1069620000**
SHL-SMT 5.00/02GL 5.9BX	2	150	**1069750000**
SHL-SMT 5.00/03GL 1.5BX	3	120	**1063210000**
SHL-SMT 5.00/03GL 4.2BX	3	120	**1069630000**
SHL-SMT 5.00/03GL 5.9BX	3	120	**1069760000**
SHL-SMT 5.00/04GL 1.5BX	4	108	**1063220000**
SHL-SMT 5.00/04GL 4.2BX	4	108	**1069640000**
SHL-SMT 5.00/04GL 5.9BX	4	108	**1069770000**

Dimensional drawing

Version left
2-pole



3-pole



SHL-SMT 5.00/GL RL



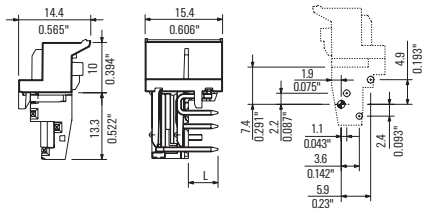
Left-sided pin header
Tape-on-reel

Ordering data

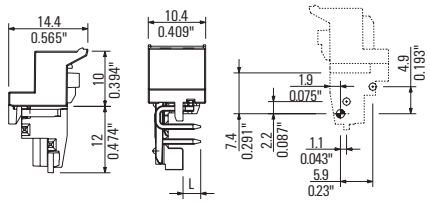
Type / Version	Poles	Qty.	Order No.
SHL-SMT 5.00/02GL 4.2RL	2	260	**1069650000**
SHL-SMT 5.00/02GL 5.9RL	2	260	**1069780000**
SHL-SMT 5.00/03GL 1.5RL	3	175	**1063240000**
SHL-SMT 5.00/03GL 4.2RL	3	175	**1069660000**
SHL-SMT 5.00/03GL 5.9RL	3	175	**1069790000**
SHL-SMT 5.00/04GL 1.5RL	4	130	**1063250000**
SHL-SMT 5.00/04GL 4.2RL	4	130	**1069670000**
SHL-SMT 5.00/04GL 5.9RL	4	130	**1069810000**

Dimensional drawing

Version right
2-pole



3-pole



SHL-SMT 5.00/GR BX



Version right
Box packaging

SHL-SMT 5.00/GR RL



Version right
Tape-on-reel

Ordering data

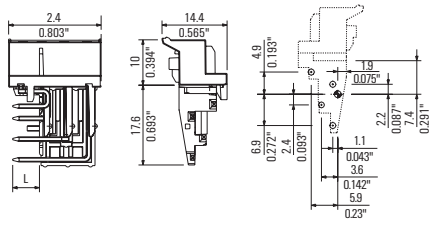
Type / Version	Poles	Qty.	Order No.
SHL-SMT 5.00/02GR 4.2BX	2	150	**1069550000**
SHL-SMT 5.00/02GR 5.9BX	2	150	**1069680000**
SHL-SMT 5.00/03GR 1.5BX	3	120	**1063140000**
SHL-SMT 5.00/03GR 4.2BX	3	120	**1069560000**
SHL-SMT 5.00/03GR 5.9BX	3	120	**1069690000**
SHL-SMT 5.00/04GR 1.5BX	4	108	**1063150000**
SHL-SMT 5.00/04GR 4.2BX	4	108	**1069570000**
SHL-SMT 5.00/04GR 5.9BX	4	108	**1069710000**

Ordering data

Type / Version	Poles	Qty.	Order No.
SHL-SMT 5.00/02GR 4.2RL	2	260	**1069580000**
SHL-SMT 5.00/02GR 5.9RL	2	260	**1069720000**
SHL-SMT 5.00/03GR 1.5RL	3	175	**1063170000**
SHL-SMT 5.00/03GR 4.2RL	3	175	**1069590000**
SHL-SMT 5.00/03GR 5.9RL	3	175	**1069730000**
SHL-SMT 5.00/04GR 1.5RL	4	130	**1063180000**
SHL-SMT 5.00/04GR 4.2RL	4	130	**1069610000**
SHL-SMT 5.00/04GR 5.9RL	4	130	**1069740000**

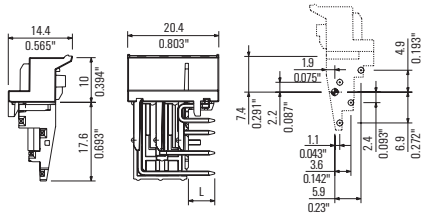
Dimensional drawing

Version left
4-pole

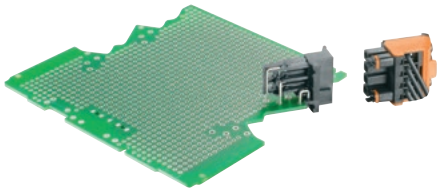


Dimensional drawing

Version right
4-pole



BHZ, BHF



Female plug for modular housing CH20M12-67
5.00 mm, PUSH IN or Screw connection, integrated coding, release lever can be colour coded

Available in other colours on request

BHZ 5.00/90 BK/OR

Female header with screw connection



Technical data

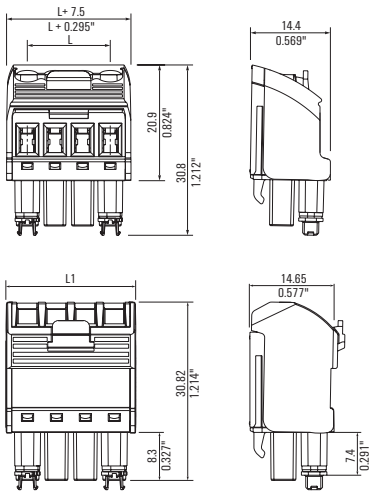
Insulating material	PA
Flammability rating (UL 94)	V0
Rated voltage	250 V
Rated current	10 A

Conductors that can be connected	
Clamping range	0.13 mm² - 3.31 mm²
Wire cross-section, AWG, min	AWG 26 - AWG 12
Solid, min. H05(07) V-U	0.2 mm² - 2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm² - 2.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	0.2 mm² - 2.5 mm²
With wire-end ferrule with DIN 46 228/4, min.	0.2 mm² - 2.5 mm²

Rated data according to DIN IEC	
Rated current, Max. pole count (Tu=20 °C)	10 A
Rated current, Max. pole count (Tu=40 °C)	9 A
Rated voltage for surge voltage class / contamination degree III/3	250 V
Rated impulse voltage for surge voltage class / contamination degree III/3	4 kV
Rated impulse voltage for surge voltage class / contamination degree III/2	4 kV
Rated voltage for surge voltage class / contamination degree III/2	320 V
Rated voltage for surge voltage class / contamination degree II/2	400 V
Rated impulse voltage for surge voltage class / contamination degree II/2	4 kV

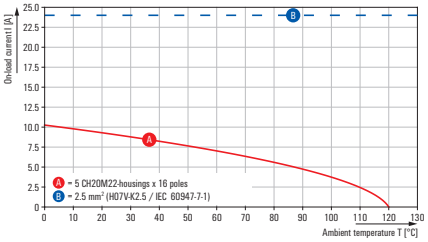
Note: Rated data according to UL – refer to the online data sheet

Dimensional drawing

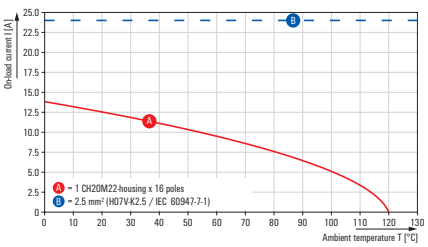


Derating curve

BHZ 5.00/../90 - SHL-SMT 5.00/..G



BHZ 5.00/../90 - SHL-SMT 5.00/..G



Ordering data

Type / Version	Poles	Qty.	Order No.
BHZ 5.00/02/90LH BK/OR	2	150	**1063260000**
BHZ 5.00/03/90LH BK/OR	3	108	**1063270000**
BHZ 5.00/04/90LH BK/OR	4	78	**1063280000**

BHF 5.00/180LH BK/OR

Female header with PUSH IN connection



Ordering data

Type / Version	Poles	Qty.	Order No.
BHF 5.00/02/180LH BK/OR	2	150	**1988380000**
BHF 5.00/03/180LH BK/OR	3	108	**1989210000**
BHF 5.00/04/180LH BK/OR	4	78	**1989190000**

BHZ 5.00/90 BK/BK

Female header with PUSH IN connection



Ordering data

Type / Version	Poles	Qty.	Order No.
BHZ 5.00/02/90LH BK/BK	2	150	**1069330000**
BHZ 5.00/03/90LH BK/BK	3	108	**1069340000**
BHZ 5.00/04/90LH BK/BK	4	78	**1069350000**

BHZ 5.00/90 BK/BL

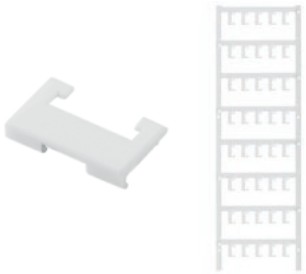
Female header with PUSH IN connection



Ordering data

Type / Version	Poles	Qty.	Order No.
BHZ 5.00/02/90LH BK/BL	2	150	**1069360000**
BHZ 5.00/03/90LH BK/BL	3	108	**1069370000**
BHZ 5.00/04/90LH BK/BL	4	78	**1069380000**

Accessories



Marker for release lever

Ordering data

Type / Version	Poles	Qty.	Order No.
ESG 6.6/11 BHZ 5.00/02	2	200	**1082490000**
ESG 6.6/15 BHZ 5.00/03	3	200	**1082520000**
ESG 6.6/20 BHZ 5.00/04	4	200	**1082540000**
ESG 6.6/11 BHZ 5.00 SDR	2	200	**1346330000**
ESG 6.6/15 BHZ 5.00 SDR	3	200	**1346320000**
ESG 6.6/20 BHZ 5.00 SDR	4	40	**1221520000**

BHF 5.00/180LH BK/BK

Female header with PUSH IN connection



Ordering data

Type / Version	Poles	Qty.	Order No.
BHF 5.00/02/180LH BK/BK	2	150	**1497740000**
BHF 5.00/03/180LH BK/BK	3	108	**1497670000**
BHF 5.00/04/180LH BK/BK	4	78	**1497500000**

BHF 5.00/180LH BK/BL

Female header with PUSH IN connection

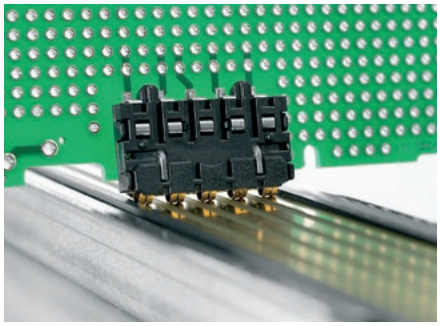


Ordering data

Type / Version	Poles	Qty.	Order No.
BHF 5.00/02/180LH BK/BL	2	150	**1989220000**
BHF 5.00/03/180LH BK/BL	3	108	**1989200000**
BHF 5.00/04/180LH BK/BL	4	78	**1989090000**

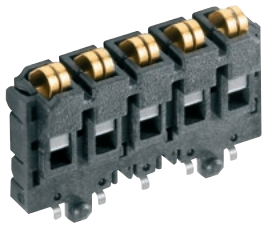
You can find more colour variations in the webshop:
eshop.weidmueller.com/c/group71481003388752

SR-SMD



Bus contact block
Reflow-compatible, resistant to high temperatures,
5-pole, for rail bus

SR-SMD



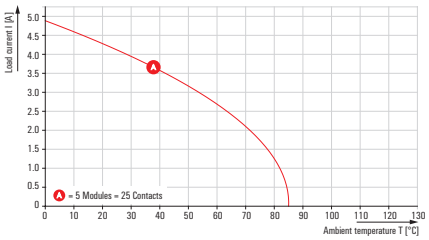
Bus contact for CH20M6

Technical data

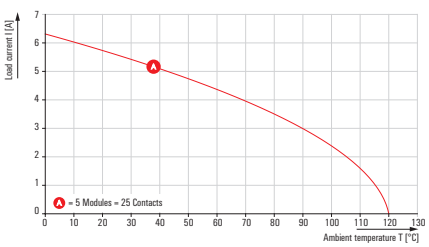
Insulating material	LCP
Flammability rating (UL 94)	V0
Rated voltage IEC	63 V AC
Rated current IEC CH20M6	2 A (at 70 °C)
Rated current IEC CH20M22	4 A (at 70 °C)
Rated voltage UL	150 V
Rated current UL	5 A

Derating curve

CH20M6-Bus

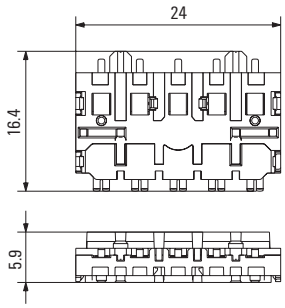


CH20M22-Bus

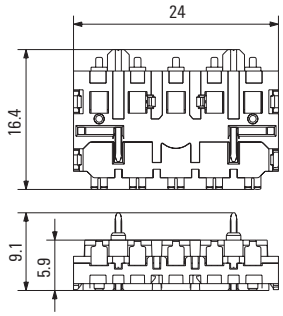


Note: Framework conditions of rating data available on request

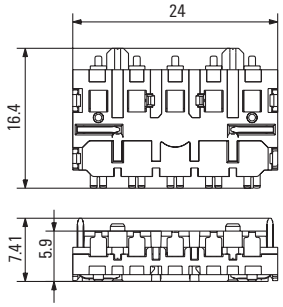
Dimensional drawing



For CH20M6



With centre solder flange for CH20M12-67



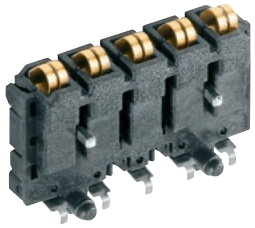
With solder flange for CH20M12-67

Ordering data

Type / Version	Qty.	Order No.
SR-SMD 4.50/05/90 AU BK BX	72	**1155840000**
SR-SMD 4.50/05/90 AU BK RL	300	**1155850000**

"BX" means box packaging, "RL" means tape-on-reel

SR-SMD



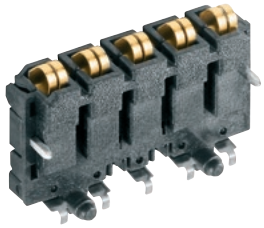
Bus contact with centre solder flange
for CH20M12-67

Ordering data

Type / Version	Qty.	Order No.
SR-SMD 4.50/05/90LFM AU BK BX	72	**1155870000**
SR-SMD 4.50/05/90LFM 3.2AU BK RL	300	**1155880000**

"BX" means box packaging, "RL" means tape-on-reel

SR-SMD



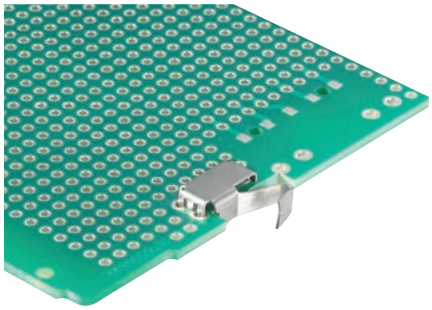
Bus contact with solder flange
for CH20M12-67

Ordering data

Type / Version	Qty.	Order No.
SR-SMD 4.50/05/90LF AU BK BX	72	**1155890000**
SR-SMD 4.50/05/90LF 1.5AU BK RL	300	**1155900000**

"BX" means box packaging, "RL" means tape-on-reel

CH20M FE 12-67



FE contact for CH20M 12-67

Ordering data

Type / Version	Qty.	Order No.
CH20M FE 12-67 1.5SN RL	750	**1189370000**
CH20M FE 12-67 3.2SN RL	750	**1264240000**

CH20M BUS-PROFIL TS35x7.5/1000

Support section for bus circuit board



- Support section for TS 35 x 7.5
- Length: 250, 500 or 750 mm

Ordering data

Type	Qty.	Order No.
CH20M BUS-PROFIL TS35x7.5/250	10	**1248150000**
CH20M BUS-PROFIL TS35x7.5/500	10	**1248160000**
CH20M BUS-PROFIL TS35x7.5/750	5	**1248170000**

Note: Length specification /XXX = 250, 500 or 750 mm.
Other lengths available on request.

CH20M BUS-PROFIL TS35x15/1000

Support section for bus circuit board



- Support section for TS 35 x 15
- Length: 250, 500 or 750 mm

Ordering data

Type	Qty.	Order No.
CH20M BUS-PROFIL TS35x15/250	5	**1248180000**
CH20M BUS-PROFIL TS35x15/500	5	**1248190000**
CH20M BUS-PROFIL TS35x15/750	5	**1248210000**

Note: Length specification /XXX = 250, 500 or 750 mm.
Other lengths available on request.

CH20M BUS 4.50/05 AU/1000

Bus PCB



- Bus circuit board for use on TS 35 x 7.5 and TS 35 x 15
- Length: 250, 500 or 750 mm
- Five conductor paths, gold-plated
- Electrical rating: 63 V AC, 5 A/conductor path

Ordering data

Type	Qty.	Order No.
CH20M BUS 4.50/05 AU/250	10	**1248220000**
CH20M BUS 4.50/05 AU/500	10	**1248230000**
CH20M BUS 4.50/05 AU/750	5	**1248240000**

Note: Length specification /XXX = 250, 500 or 750 mm.
Other lengths available on request.

CH20M BUS-ADP TS35/1000

Cover plate



- Cover plate for DIN rail bus
- Length: 250, 500 or 750 mm

Ordering data

Type	Qty.	Order No.
CH20M BUS-ADP TS35/250	10	**1248250000**
CH20M BUS-ADP TS35/500	10	**1248260000**
CH20M BUS-ADP TS35/750	5	**1248270000**

Note: Length specification /XXX = 250, 500 or 750 mm.
Other lengths available on request.

CH20M BUS-AP LI TS35x7.5 & 15

End plate



- End plate for DIN rail bus
- Fits on TS 35 x 7.5 and TS 35 x 15
- left

Ordering data

Type	Qty.	Order No.
CH20M BUS-AP LI TS35x7.5 & 15	50	**1193160000**

CH20M BUS-AP RE TS35x7.5 & 15

End plate



- End plate for DIN rail bus
- Fits on TS 35 x 7.5 and TS 35 x 15
- right

Ordering data

Type	Qty.	Order No.
CH20M BUS-AP RE TS35x7.5 & 15	50	**1193170000**

SET CH20M BUS 250MM TS 35X15

Set



- SET consists of one each of
  CH20M BUS 4.50/05 AU/250
  CH20M BUS-ADP TS 35/250
  CH20M BUS-AP LI TS 35X7.5 & 15
  CH20M BUS-AP RE TS 35X7.5 & 15
  CH20M BUS-PROFIL TS 35X15/250

Ordering data

Type	Qty.	Order No.
SET CH20M BUS 250MM TS 35X15	1	**1335150000**

SET CH20M BUS 250MM TS 35X7.5

Set



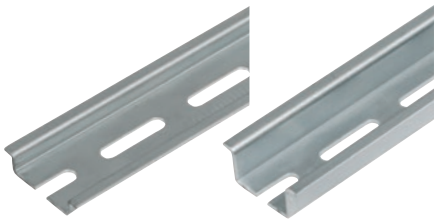
- SET consists of one each of
  CH20M BUS 4.50/05 AU/250
  CH20M BUS-ADP TS 35/250
  CH20M BUS-AP LI TS 35X7.5 & 15
  CH20M BUS-AP RE TS 35X7.5 & 15
  CH20M BUS-PROFIL TS 35X7.5/250

Ordering data

Type	Qty.	Order No.
SET CH20M BUS 250MM TS 35X7.5	1	**1335140000**

TS 35x7.5 / TS 35x15

Mounting rail



- Mounting rail with slot
- Steel, galvanised and passivated

Ordering data

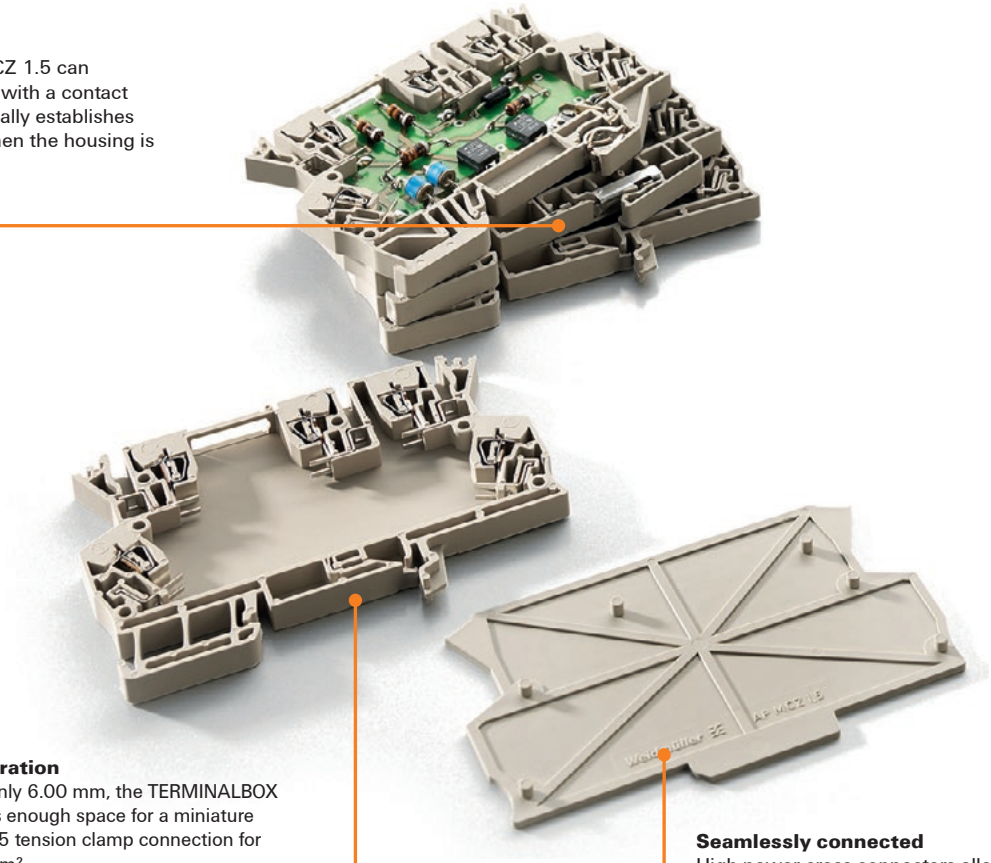
Type	Qty.	Order No.
TS 35X7.5/LL 1M/ST/ZN	10	**0514510000**
TS 35X15/LL 1M/ST/ZN	10	**0236510000**

S

OMNIMATE® Housing
TERMINALBOX

The TERMINALBOX series of small housings is the perfect solution for miniature sliced applications or for the protective circuitry used in connection with terminal blocks. Up to 6 wires can be connected using the integrated (but high-performance) clamping-yoke screw or tension-clamp wire connection mechanisms.
The TERMINALBOX can be aligned side-by-side without end or closed off using an end plate. Pluggable cross-connectors from our terminal block line allow simple, safe power distribution of up to 32 A.

Secure contacts
The TERMINALBOX MCZ 1.5 can optionally be equipped with a contact element that automatically establishes contact with the rail when the housing is snapped on.



Compact integration
With a width of only 6.00 mm, the TERMINALBOX MCZ 1.5 provides enough space for a miniature circuit board and 5 tension clamp connection for wires up to 1.5 mm².

Seamlessly connected
High-power cross-connectors allow power (up to 32 A) to be easily and quickly distributed on up to three levels.



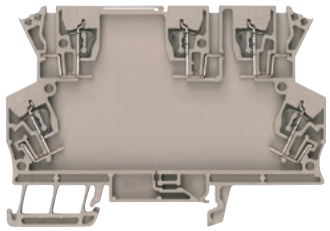
MCZ 1.5

The transparent hinged top plate is used for labelling and calibration. Maximum equipment level requires 2 short and 3 long current bars. The space available and the number of connections can be doubled using the frame. CAD Models that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.), are available on request. The MCZ housing kit consists of:

- 1 terminal holder
- 1 top plate
- 1-5 current bars with tension clamp
- 1 end plate (if required)

MCZ 1.5

Tension clamp connection



Technical data

General data		
Dimensions W x L x H (w. TS 35 x 7.5)	mm	6 / 91.3 / 63.5
No. of connections	total	5
Access for calibration		Movable top plate
Shielding		not available
Contact to the mounting rail		Earthing-contact
Number of PCB per module		1
PCB-connection		soldered connection, directly
Thickness of PCB		1.0 (+ 0.2) mm
Ingress protection class		IP 20
Tightening torque range		
Stripping length		6 mm
Pollution severity		3
Material		PA
Flammability class UL 94		V0
Colour of insulating material		beige/black
Clampable conductors (H05V/H07V)	**Screw connection**	**Tension clamp connection**
Solid	mm^2	0.2...1.5
Flexible	mm^2	0.2...1.5
Max. conductor AWG		AWG 26...AWG 16
Plug gauge to 60947-1		
Note		

Ordering data

Individual parts		Type	Qty.	Order No.
For mounting rail TS 35	with connection element	MCZ 5	10	**8857560000**
	for connection element	GH MCZ1.5	1	**2224220000**
	for mounting rail contact, for connection element	GH MCZUE1.5/UE	1	**2312290000**
For mounting rail TS 32	with connection element			
Frame for TS 35		RA MCZ1.5	25	**2224240000**
Frame for TS 35	for connection element			
Frame for TS 32				
Top part	open	KOPL MCZ1.5	18	**2224040000**
	closed			
Current bars (w. tension clamp)	short version	SMSE KU FE MCZ 1.5	1	**2224390000**
	long version	SMSE LN FE MCZ 1.5	1	**2224380000**
Current bars	horizontal			
	vertical			
Clamp. yoke unit	clamp. yoke + screw			
Screw				
Clamping yoke				
Mounting rail contact		SMSE FE MCZ 1.5/PE	100	**1003280000**
Housing cover				
Note				

Accessories

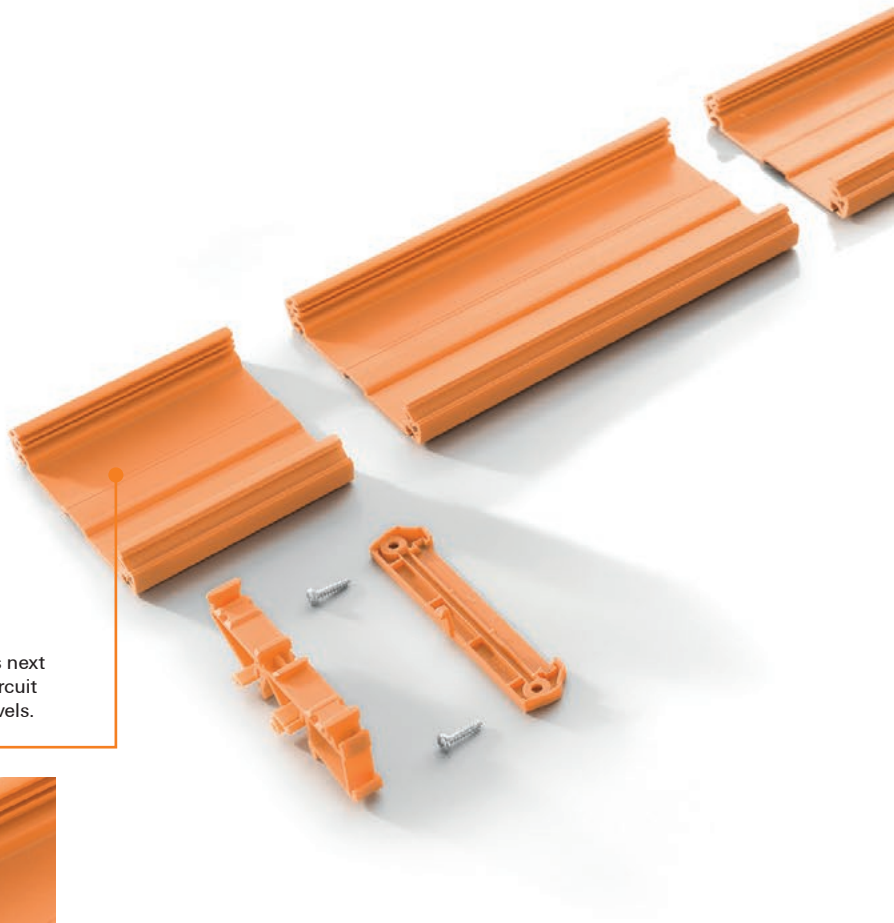
End plate	Type	Qty.	Order No.
	AP MCZ1.5	50	**8389030000**
Cross-connection	ZQV 4N/2	60	**1527930000**
	ZQV 4N/2 BL	60	**1528040000**
	ZQV 4N/2 RD	60	**2460450000**
Note	Full housing available as set on request.		

OMNIMATE® Housing RS
Profile housing

High Temp Version coming soon

Flexible – more flexible – profile form

Build housing in profile form – the flexible modular system of coloured and transparent PVC profiles and carrier modules the perfect combination of any mounting utilising standard pitches and precisely cut to length, this creates the perfect balance between flexibility and efficiency: The modular approach is ideal for assemblies with high space requirements and is particularly suited for small quantities or variable widths.



Flexible installation
Extruded profiles can take several modules next to each other. Depending on the type of circuit boards can be installed on two different levels.

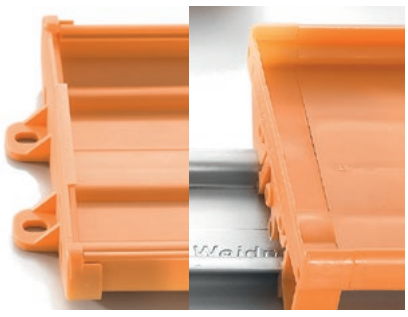


Flexible lengths
Cut, or joined together in a row: extruded profiles can be easily adjusted to the space requirements of every application.

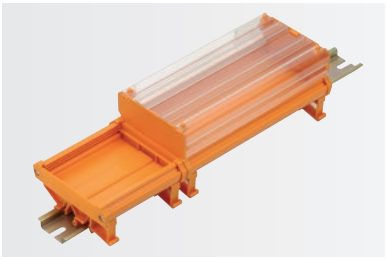




Flexible mounting
Mounting options: snapped onto the mounting rail or directly secured using screws.



Variable RS-profile housing
Variable, precision cut extruded profile with different height cover hoods allow maximum packing density even for large electronic sub-assemblies.



Modular RS-profile housing
Tool-free latching profiles with standard widths from 5 to 45 mm allow rapid assembly of tailor made solutions.

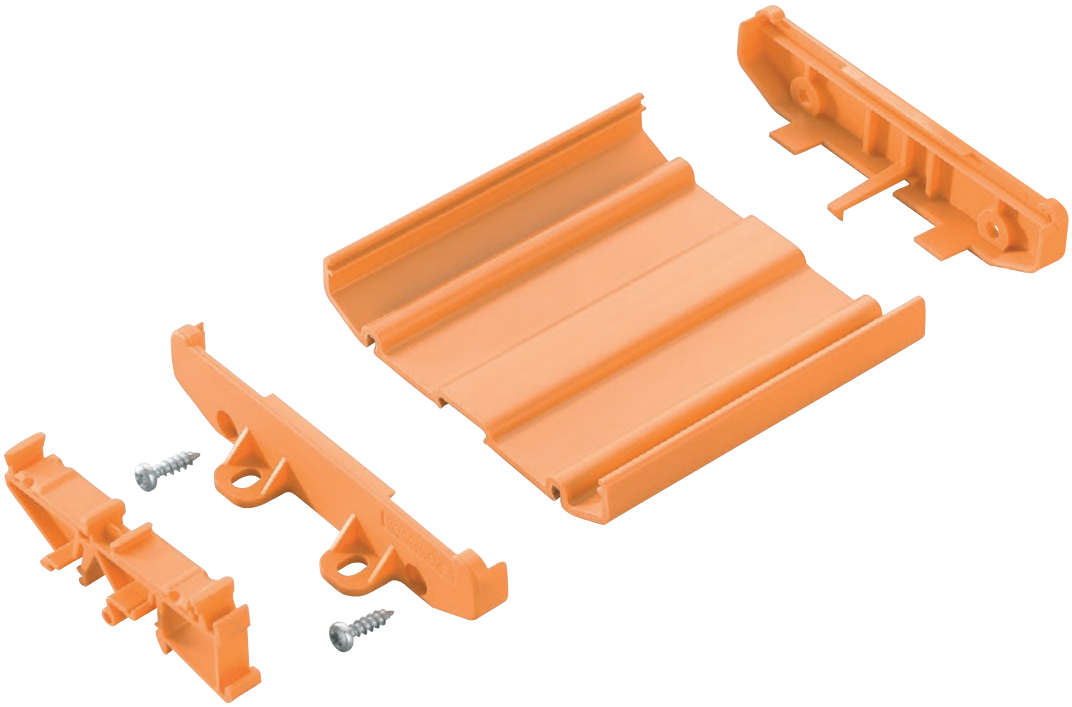


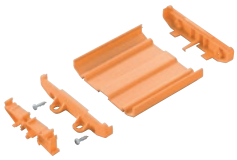
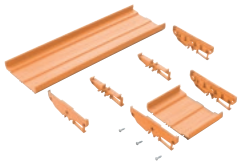
OMNIMATE® Housing RS
Profile housing

RS profile housings can be snapped on to DIN rails or mounted directly. They are available in six widths. The extruded profiles can be cut to length or joined together in modules and are ideal for low volume, special assemblies or test set-ups. Fitted transparent hoods are used to protect the components.

Width	Type	Construction/Width of circuit board	Catalogue pages
70.0 mm	RS 70	Modular / 67.8 mm	N.47
87.0 mm	RS 80	Variable / 67.8 mm	N.48
109.0 mm	RS 100	Variable / 100.0 mm	N.50
130.8 mm	RS 122	Variable / 122.0 mm	N.51

Colour scale[1)]
Similar to RAL 9011
Similar to RAL 7024
Similar to RAL 2000
Note 1) Other colours on request



Housing variants	Description/Type	Design options
RS 80	**RS extruded profile 80 mm, variable**	
	**Features:** • Width: 87 mm • Circuit board width: 67.8 mm • Number of circuit boards (max.): 1 • Protection class (max.): IP 20 • Markable	• Can be shortened to any length • Rail mounted • Direct mount[2)] • Transparent hood (opt.) • Machinable
RS 100	**RS extruded profile 100 mm, variable**	
	**Features:** • Width 109: mm • Circuit board width: 100 mm • Number of circuit boards (max.): 1 • Protection class (max.): IP 20	• Can be shortened to any length • Rail mounted • Direct mount[2)] • Transparent hood (opt.) • Machinable
RS 122	**RS extruded profile 122 mm, variable**	
	**Features:** • Width: 130.8 mm • Circuit board width: 122 mm • Number of circuit boards (max.): 2 • Protection class (max.): IP 00	• Can be shortened to any length • Rail mounted • Machinable

pad printing, 123 markable, can be machine-worked (drilling/milling), [2)] Screw mount

RS 80

Housing installation (plus 4 screws):
Rail mounted variant (rail mounted assembly)
- 2 end plates for rail mounted assembly
- 2 or more locking feet
- 1 extruded profile
- 1 cover profile (optional)

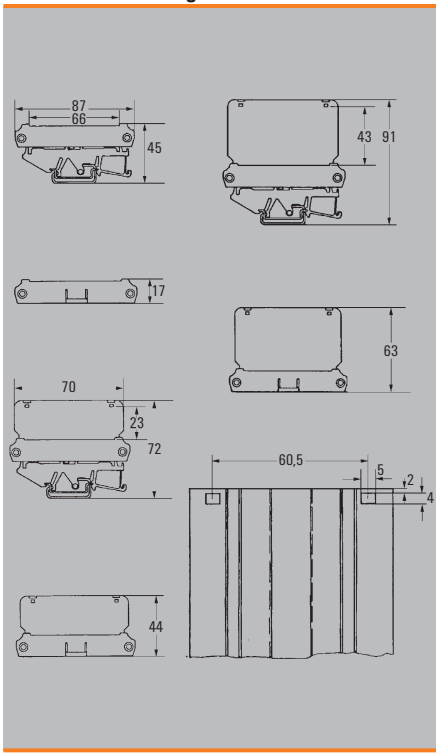
Direct mounting variant
- 2 end plates, direct mounting
- 1 extruded profile
- 1 cover profile (optional)

Description

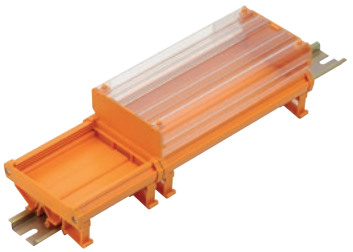
3 heights are available for cover profile and end plates:
Rail mounting without cover:
TS 32 = 45 mm, TS 35x7.5 = 40.5 mm
Rail mounting with low cover:
TS 32 = 72 mm, TS 35x7.5 = 67.5 mm
Rail mounting with high cover:
TS 32 = 91 mm, TS 35x7.5 = 86.5 mm
Direct mounting without/low/high cover:
17 / 44 / 63 mm

Dimensions of PCB
Thickness: 1.6 (±0.2) mm, width:
67.8 (+0.2) mm
Size of RS segment = PCB length - 4.5 mm
Size of ADP segment = PCB length - 2 mm
Example:
PCB length 160 mm
RS = 155.5 mm, ADP = 158 mm

Dimensioned drawing



RS 80



Technical data

General data	
Number of PCB per module	1
Thickness of PCB	1.6 (± 0.2) mm
Material	PVC/PA
Flammability class UL 94	V0
Colour of insulating material	orange
Note	

Ordering data

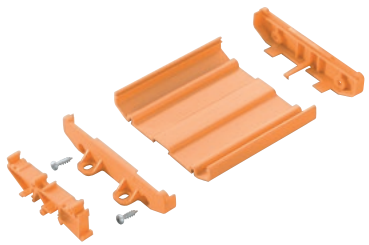
Extruded profile		Type		Qty.	Order No.
2000 mm	orange	PF RS 80 OR 2000MM	V0	1	**4157440000**
2000 mm	grey	PF RS 80 GR 2000MM	V0	1	**4183130000**
Intermediate piece					
5 mm					
15 mm					
25 mm					
30 mm					
45 mm					
End plate with locking foot					
Without cover	grey, left version	AP RF80 LI	V0	20	**8156210000**
	grey, right version	AP RF80 RE	V0	20	**8156200000**
With marking facilities	left version				
	right version				
Locking foot					
	orange	RF 180 OR 1665	V0	20	**1324460000**
	grey	RF 180 GR	V0	20	**1773400000**
	black	RF 180 BK	V0	20	**1057530000**
Central	intermediate foot				
End plate for direct mounting					
Without cover	grey, left version				
	grey, right version				
	orange	AP 80 D	V0	20	**1324360000**
	grey				
For medium-high cover profile	orange				
	grey				
For high cover profile	orange	AP 86 D	V0	20	**1411160000**
	grey				
End plate without locking foot					
Without cover	orange	AP 80	V0	20	**1324260000**
Screws		LKSC M2,9x13VZ		100	**4011200000**
Note		Other lengths on request.			

RS 100

Housing installation (plus 4 screws):
Rail mounted variant (rail mounted assembly)
- 2 end plates for rail mounted assembly
- 2 or more locking feet
- 1 extruded profile
- 1 cover profile (optional)

Direct mounting variant
- 2 end plates, direct mounting
- 1 extruded profile
- 1 cover profile (optional)

RS 100

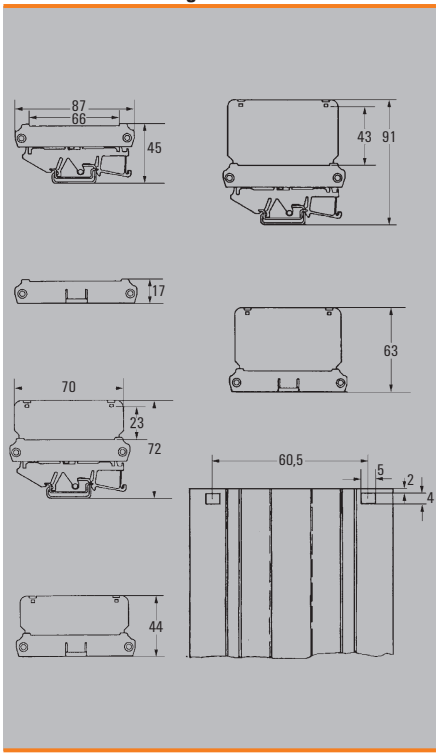


Description

3 heights are available for cover profile and end plates:
Rail mounting without cover:
TS 32 = 45 mm, TS 35x7.5 = 40.5 mm
Rail mounting with low cover:
TS 32 = 89 mm, TS 35x7.5 = 84.5 mm
Rail mounting with high cover:
TS 32 = 121 mm, TS 35x7.5 = 116.5 mm
Direct mounting without/low/high cover:
24 / 69 / 99 mm

Dimensions of PCB
Thickness: 1.6 (±0.2) mm, width:
100 (+0.5) mm
Size of RS segment = PCB length - 4.5 mm
Size of ADP segment = PCB length - 1 mm
Example:
PCB length 160 mm
RS = 155.5 mm, ADP = 159 mm

Dimensioned drawing



Technical data

General data	
Number of PCB per module	1
Thickness of PCB	1,6 (± 0.2) mm
Material	PVC/PA
Flammability class UL 94	V0
Colour of insulating material	orange / grey (Black on request)
Note	

Ordering data

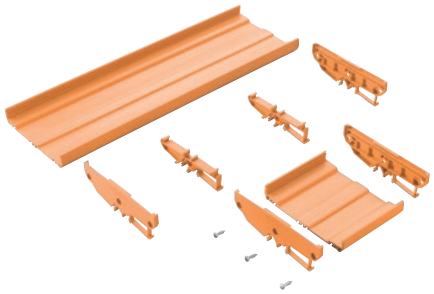
		Type		Qty.	Order No.
Extruded profile					
2000 mm	orange	PF RS 100 OR 2000MM A.1	V0	1	**4144870000**
2000 mm	grey	PF RS 100 GR 2000MM A.1	V0	1	**4010870000**
2000 mm	black	PF RS 100 BK 2000MM	V0	1	
Intermediate piece					
5 mm					
15 mm					
25 mm					
30 mm					
45 mm					
End plate with locking foot					
Without cover	grey, left version				
	grey, right version				
With marking facilities	left version				
	right version				
Locking foot					
	orange	RF 180	V0	20	**1324460000**
	grey	RF 180 GR	V0	20	**1773400000**
	black	RF 180 BK	V0	20	**1057530000**
Central	intermediate foot				
End plate for direct mounting					
Without cover	grey	AP 100 D GR	V0	20	**8817790000**
	black	AP 100 D BK	V0	20	**1189870000**
	orange	AP 100 D OR	V0	20	**1185160000**
For medium-high cover profile	orange	AP 110 D OR	V0	10	
	grey	AP 110 D GY	V0	10	
For high cover profile	orange	AP 111 D OR	V0	10	
	black	AP 111 D BK	V0	10	
End plate without locking foot					
Without cover	orange	AP 100 OR 1665	V0	20	
	black	AP 100 BK	V0	20	**1057540000**
	green	AP 100 GN	V0	20	
For medium-high cover profile	orange	AP 110 OR	V0	10	**1185260000**
	black	AP 110 BK	V0	10	**1189890000**
For high cover profile	orange	AP 111 OR	V0	10	
	black	AP 111 BK	V0	10	
Accessories					
Cover profile 2000 mm	Medium-high	ADP 10	V0	1	
2000 mm	high	ADP 11	V0	1	**4169330000**
Screws		PTSC KB40X14		100	**4019420000**
Note		Other lengths on request.			

RS 122

Housing construction (plus 4 screws):
available as a rail mounting version (TS mounting)

- 2 end plates for rail mounted assembly with locking foot
- 2 or more locking feet
- additional intermediate foot
- 1 Extruded profile

RS 122

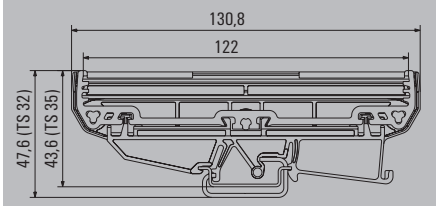


Description

Takes PCB in 2 positions

Dimensions of the PCB
Thickness: 1.6 (±0.2) mm, width: +0.5 mm
i.e. length RS section = PCB length - 5 mm
Example:
PCB length 160 mm,
RS section = 160 mm - 5 mm = 155 mm

Dimensioned drawing



Technical data

General data	
Number of PCB per module	1
Thickness of PCB	1.6 (± 0.2) mm
Material	PVC/PA
Flammability class UL 94	V0
Colour of insulating material	orange
Note	

Ordering data

Extruded profile		Type	Qty.	Order No.
2000 mm	orange	PF RS 122 OR 2000MM	1	**1155940000**
2000 mm	grey			
1000 mm	grey			
Intermediate piece				
5 mm				
15 mm				
25 mm				
30 mm				
45 mm				
End plate with locking foot				
Without cover	grey, left version			
	grey, right version			
	orange, left version	AP RF 122 LI OR	20	**1020640000**
	orange, right version	AP RF 122 RE OR	20	**1020650000**
With marking facilities	left version			
	right version			
Locking foot				
	orange	RF 108 OR	20	**1020690000**
	grey			
Central	intermediate foot			
End plate for direct mounting				
Without cover	grey, left version			
	grey, right version			
	orange			
	grey			
For medium-high cover profile	orange			
	grey			
For high cover profile	orange			
	grey			
End plate without locking foot				
Without cover	grey			
For medium-high cover profile	orange			
	grey			
For high cover profile	orange			
	grey			
Accessories				
Cover profile	Medium-high			
	high			
Screws				
Note		Other lengths on request.		

MTA

Snap-on foot for terminal rail



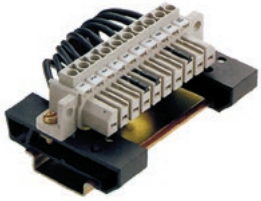
The MTA 45 mounting adapter enables many different modules to be securely attached to a terminal rail. The adapter, made of fibreglass-reinforced polyamide, ensures high stability and secure fixity to the terminal rail. It is assembled by simply clipping on, and disassembled by pushing up and tilting the module. No tools are required for this.

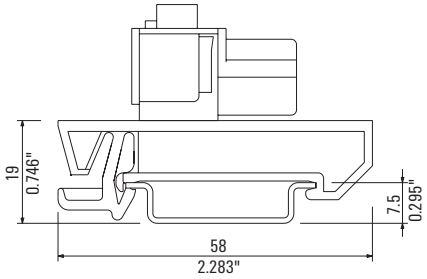
Ordering data

Snap-on foot for TS 35		Black
Type	**Qty.**	**Order No.**
MTA 30 BK	45	**1168970000**
MTA 45 BK	30	**1962250000**

MOFU

Mounting foot





Ordering data

Colour		Black
Type	**Qty.**	**Order No.**
Mounting foot Mofu	20	**0646210000**

WS 10/5
WS 12/5

MultiCard marking



- WS 10/5 = 10 mm long x 5 mm wide
- WS 12/5 = 12 mm long x 5 mm wide
- Delivered as MultiCard 5 mats with 144 markers

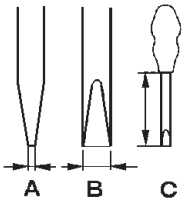
Ordering data

Type	Length mm	Order No.
WS 10/5	10	**1635000000**
WS 12/5	12	**1609860000**

SDI

VDE-insulated slotted screwdriver





VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380

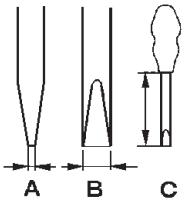
Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SDI		0,4	2,5	75	2749790000
SDI		0,5	3,0	100	2749800000
SDI		0,6	3,5	100	2749810000
SDI		0,8	4,0	100	2749820000
SDI		1,0	4,5	125	2749830000
SDI		1,0	5,5	125	2749850000
SDI		1,2	6,5	150	2749860000
SDI		1,6	8,0	175	2749870000

SD

Slotted screwdriver with round blade





Slotted screwdriver with round blade, SD

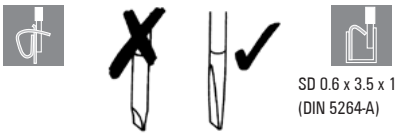
- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip

Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SD		0,4	2,5	75	2749320000
SD		0,5	3,0	80	2749330000
SD		0,6	3,5	100	2749340000
SD		0,8	4,0	100	2749360000
SD		0,8	4,5	125	2749370000
SD		1,0	5,5	150	2749380000
SD		1,2	6,5	150	2749390000

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection



SD 0.6 x 3.5 x 100
(DIN 5264-A)

You do not need any special tool to connect or disconnect our tension clamp connection.
The opening is designed to accommodate a standard 0.6 x 3.5 x 100 screwdriver 2749040000 to DIN 5264-A (with flat blade).

SDK PH/PZ

Crosshead screwdriver





Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip

Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- Chrome top tip

Ordering data PH

Type	Dims. (mm)	A	B	C	Order No.
SDK PH0	0			60	2749400000
SDK PH1	1			80	2749410000
SDK PH2	2			100	2749420000
SDK PH3	3			150	2749430000

Ordering data PZ

Type	Dims. (mm)	A	B	C	Order No.
SDK PZ1	1			80	2749440000
SDK PZ2	2			100	2749450000
SDK PZ3	3			150	2749460000

Screwdriver with cutting and stripping adapter

- Stripping: PVC-insulated flexible and solid conductors up to 2.5 mm²
- Cutting: conductors solid up to 1.5 mm² and flexible 2.5 mm²

swifty® CS



swifty® CS

- Cable cutter and stripper which fits onto uninsulated screwdrivers, with a blade diameter of 3.5 mm
- Minimal hand force required
- Tool opens automatically
- Ergonomic handle design
- Excenter wheel to assist stripping function

swifty® CS set

- Logical operation
- Can be used for screw and tension clamp terminals
- Pocket format - always ready to hand
- Suitable for right- and left-hand use
- One-handed operation

swifty® CS set







Technical data

Max. stripping performance	
Cable type	Flexible and solid conductors with PVC insulation
Line connection cross-section	2.5 mm²
Cutting performance	**Cutting performance**
Conductor cross-section (cutting capacity)	2.5 mm²
Tool data	
Depth / Width / Height	18 / 40 / 40 mm
Weight	25 g
Note	

Ordering data

Version	Type	Qty.	Order No.
	SWIFTY CS	1	9006020000
Note	Without screwdriver Available from summer 2025		

Type	Qty.	Order No.
swifty® CS set (with screwdriver)	1	9006060000
Screwdriver (SDS 0.6X3.5X100)	1	2749340000
Available from summer 2025		

u-maker Box – the Raspberry Pi housing from Weidmüller
Flexible realisation of ideas and projects

The Raspberry Pi single-board computer has long been popular in the „maker scene“. It offers flexibility, availability, and community support at low cost.

The u-maker box is the ideal basis for realising your own applications with the Raspberry Pi. The modular and expandable housing impresses with many features. The internal accessories allow electronic components, 3rd party boards, and other components to be installed. The external holder is compatible with simple action cam accessories. This allows the u-maker box to be mounted flexibly in many places or supplemented with external accessories.

Your special advantages:
- Modular housing, compatible with the Raspberry 4 & 5
- Magnetic brackets between the modules with the option of screwing the modules together
- Two-sided slide-in panels for routing out connections and cables
- Internal accessories for mounting boards, electronics, cables, and fans
- External accessories for mounting the case in various locations

Modular and expandable
The enclosure can be expanded with additional frames via magnetic technology to mount additional components. 3D printed templates for easy customisation of internal and external accessories increase flexibility.

Compatible with action cam accessories
Affordable action cam accessories can be used to attach the u-maker box to a wide variety of locations. It can also be used to attach additional components to the housing.

Usable with industrial software
Easy Connect, u-os, and many other industrial-grade software solutions from Weidmüller can be used in conjunction with the Raspberry Pi community software. This significantly expands the professional range of applications.



Raspberry Pi housing

U-MAKER BOX RASPBERRY PI 4



U-MAKER BOX RASPBERRY PI 5



Technical data

	U-MAKER BOX RASPBERRY PI 4	U-MAKER BOX RASPBERRY PI 5
Colour	black	black
Colour chart (similar)	RAL 9011	RAL 9011
Protection degree	IP20	
Operating temperature	0…55 °C	0…55 °C
Depth / Width / Height	120.4 / 120.4 / 35.5 mm	120.4 / 120.4 / 35.5 mm
Net weight	133 GRM	133 GRM

Note

Ordering data

Type	Qty.	Order-No.
U-MAKER BOX RASPBERRY PI 4	1	**2887690000**

Type	Qty.	Order-No.
U-MAKER BOX RASPBERRY PI 5	1	**3080240000**

Note

Accessories

Note

Raspberry Pi housing

U-MAKER BOX EXTENSION KIT



Technical data

Colour	black
Colour chart (similar)	RAL 9011
Protection degree	
Operating temperature	0…55 °C
Depth / Width / Height	120.4 / 120.4 / 24 mm
Net weight	86 GRM

Note

Ordering data

Type	Qty.	Order-No.
U-MAKER BOX EXTENSION KIT	1	**2887700000**

Note

Accessories

Note

Service and support

Service and support	Service connects – worldwide	V.2
	Engineering services and customised products	V.3
	Support Center	V.4
	Additional support services	V.5
	easyConnect – Your Industrial Service Platform	V.6
	Digital Engineering: Digital planning with Weidmüller product data, interfaces and software solutions	V.8
	Connectivity Consulting: A long-term increase in efficiency through partnership-based exchange	V.9
	Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering	V.10
	Your digital ordering options at Weidmüller	V.12

Our expertise for your requirements
Service connects – worldwide



Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity.

Our personal support answers all questions reliably and expertly. During planning, installation or operation our service and support offer is your best companion.

In short: Weidmüller's global service combines our expertise with your requirements.

Your way to our service
www.weidmueller.com/service

Engineering services and customised products

Automation engineering and connectivity consulting belongs to our services as well as assembly of engineered products. We also support the process from the idea to the product with our Weidmüller Configurator and the Configure-to-Order process.



Consulting and engineering
The challenge for you is reducing costs and increasing efficiency. This requires intelligent, individual solutions. Whether it is modified products, pre-fitted mounting rails or complete small cabinets – our application centres provide a highly qualified custom-made engineering and production service.



Connectivity Consulting
Increase your competitiveness - supported by our experts
Our drive is to optimise your competitiveness. That's why our team of experts supports you in significantly increasing your efficiency in electrical machine design and control cabinet construction. With proven products and services from the Weidmüller portfolio – and with the experience gained from over 300 projects worldwide.



Klippon® Assembly Service – Assembled terminal rails and enclosures supplied ready for installation
The Klippon® Assembly Service supplies fully assembled terminal rails and enclosures that can be installed directly in the cabinet or on the machine. It therefore simplifies planning, accelerates production processes, reduces work steps and ensures the reliable delivery of individually assembled products.



Fast Delivery Service - Your ideas deserve a quick realisation
Obtain offers 24/7 and within minutes, including directly orderable article numbers with our Fast Delivery Service. The Weidmüller Configurator (WMC) for planning and configuration is key for consistent processes. Dispatch your orders in 5 days. Assemble individual terminal strips and enclosures from batch size 1!

Expand the possibilities of our products

Our Support Center - the answer is just a click away

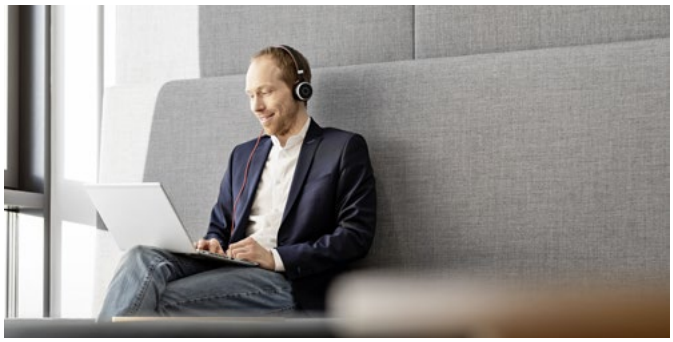


Receive fast and intuitive support to get the most out of our products in your application. In our new Support Center you can search or navigate to the many application notes, product information, video tutorials or software downloads of our products. It is also possible to create a technical Service Request in the Support Center and check the current status at any time. Use our AI chatbot for u-mation and u-software products and get immediate answers to your questions at any time.

- **Support Center –** the answer is just a click away
- **Everything at a glance –** One central support hub, where all relevant information is available
- **Powerful search –** Provides filter functions for various types of information and products
- **Navigation through product hierarchy –** Navigation to specific products through our product hierarchy
- **More than 40,000 downloads –** Application notes, video tutorials, templates and examples, user documentation, engineering data, ...
- **Personal contact –** Direct access to your personal technical contact in your country
- **Quick help via Service Request –** Create a service request to get quick technical help and check the current status and the solution provided

Explore the world of our new Support Center
support.weidmueller.com

Additional support services



Training and Webinars
Stay tuned in a world that is accelerating. In our entertaining interactive webinars, we offer you the opportunity to learn about new products and technology topics and to interact with our experts.



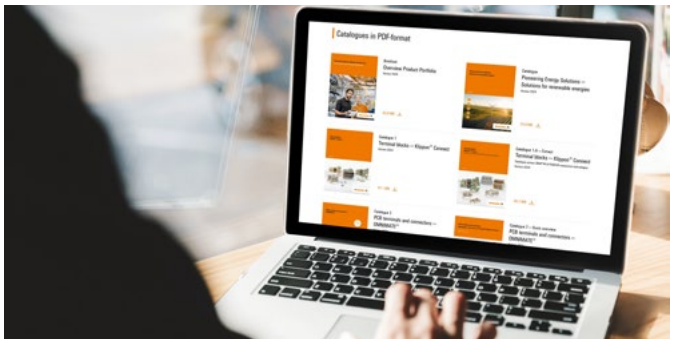
Repairs and replacement parts
We offer repair and components for our Workplace Solutions as well as assistance for other Weidmüller products. Find out how our experts can help you with your repair request.



Security advisory board
Our Product Security Incident Response Team (PSIRT) continuously informs you about possible security-related vulnerabilities of our products.

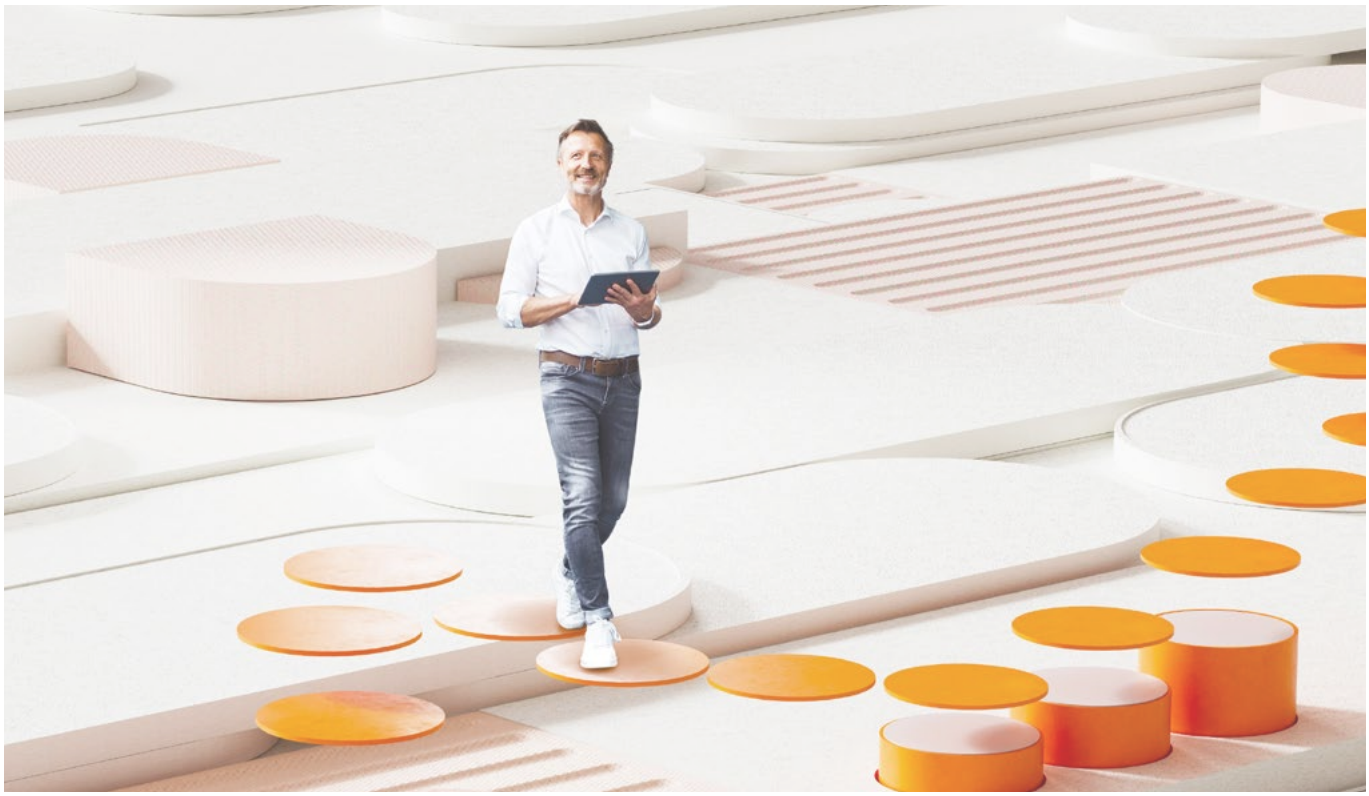


Product change notifications
Technical modifications of our products always available online.



Technical product catalogues
Technical data for our entire program in Industrial Connectivity for download in PDF-format.

Your ticket to the world of digital service
easyConnect – Your Industrial Service Platform



Our cloud-based platform is your ticket to the world of digital services from Weidmüller, and the intuitive and future-proof tool for your way to the Industrial IoT. Realise your use cases easily, consistently and without any relevant prior knowledge, thanks to the perfect interaction of platform, devices and diverse software services.

As an open, modular and perfectly integrable system, the platform is your enabler for a wide range of use cases. Increase your efficiency and unleash your full innovation potential with easyConnect.

Interested in using easyConnect?
Learn how to get started with easyConnect step-by-step.
www.weidmueller.com/easyconnect

Why should you use easyConnect?

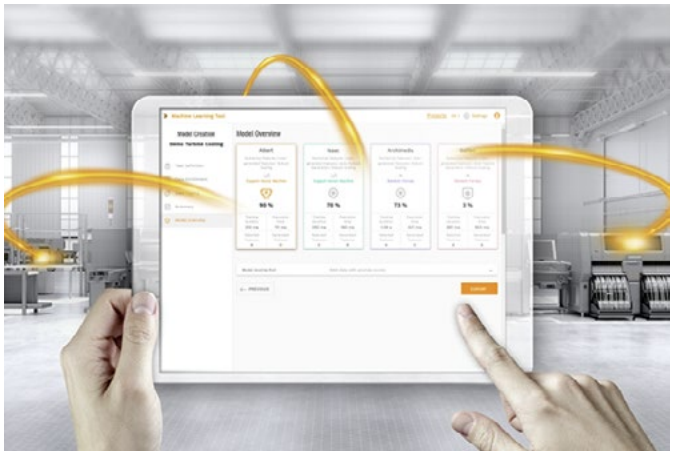
- You want to enter your digital transformation step-by-step?
- You want to make the step into Industrial IOT, but have no or little IT expertise?
- You want to use your digital data for smart & scalable services?
- You want to offer digital services (such as customised dashboard) to your customers?
- You want to improve your service offering and efficiency, e.g. through remote access?
- You feel Weidmüller's digital services are interesting, but you have „your cloud" already?



Weidmüller comes up with the solution: easyConnect, the new digitalisation platform. It bundles Weidmüller's digital services at one place in the cloud and connects them with various Weidmüller devices.

With easyConnect you start digitalising your application step-by-step without ballast in a secure way.

The following services are initially available on easyConnect:



Device management
Adding and managing cloud-connected devices is typically the first step in any Industrial IoT use case.

Asset management
The asset management service is a modelling tool that allows users to model their assets and processes and link them to relevant time series data.

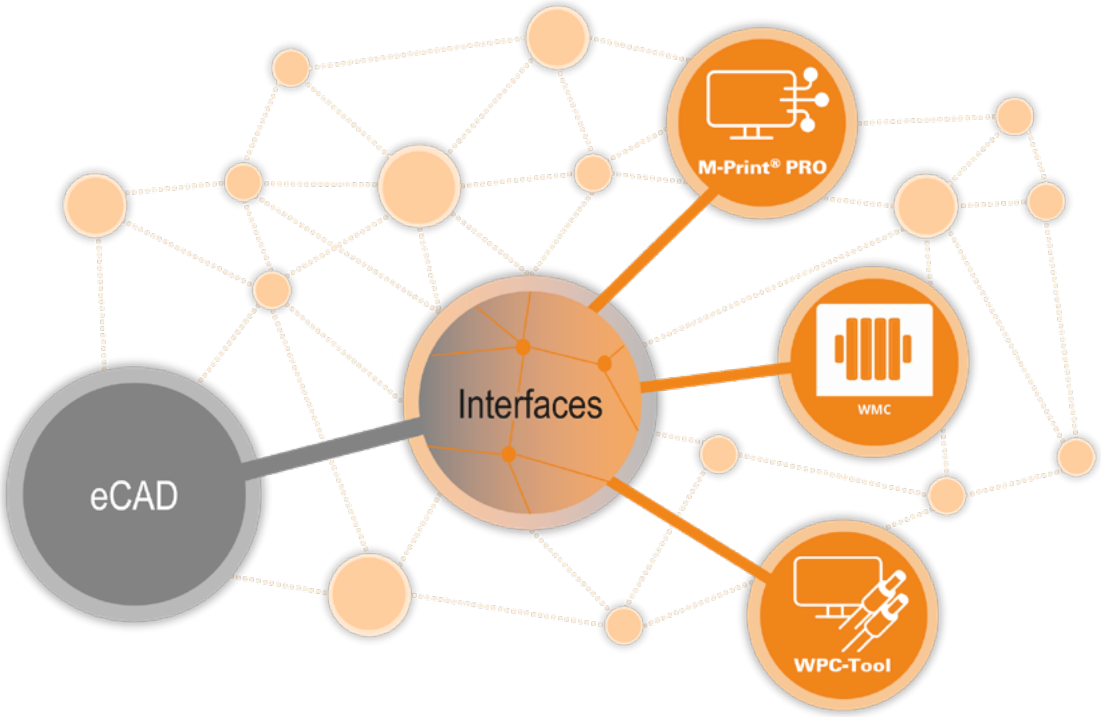
Remote access (u-link)
u-link guarantees a quick and secure access to machines and plants while also allowing for efficient management.

Data visualisation
easyConnect data visualisation services enable users to view, monitor and display live and historical data.

AutoML
With Weidmüller Industrial AutoML, you can optimize operations, increase product quality and develop new business models by benefiting from advanced analytics.

Digital Engineering

Digital planning with Weidmüller product data, interfaces and software solutions



You want to be optimally supported in all steps of the electrical design process, from planning to production? Weidmüller offers you support as best as possible!

Your advantages:

- **Processes are digitized, time is saved and sources of errors are eliminated** – With Weidmüller software solutions for terminal strip and housing configuration (WMC), component marking (M-Print® PRO) and cable assembly (WPC-Tool), you are perfectly prepared for all project phases in electrical design and control cabinet construction.
- **Potential sources of error are eliminated and your productivity is increased** – High-performance interfaces enable a complete data consistency from the planning to the commissioning process.
- **A simple, safe and fast design process** – Weidmüller provides digital product data for a variety of engineering systems. The data is always compliant with the latest system provider standard.

Find out more about digital engineering
www.weidmueller.com/digital_engineering

Connectivity Consulting

Together, we increase your efficiency in cabinet building



Are you looking for innovative and value-adding solutions for your individual requirements? Weidmüller offers you support with experienced experts for products, solutions and services in the industrial environment of energy, signals and data!

Your advantages:

- **Increasing efficiency and quality in cabinet building –** Weidmüller offers you customized solutions to make your cabinet building fit for purpose. From design optimization and process automation to digital planning and commissioning. Every single work step offers opportunities for optimization.
- **Benefit from the practical experience of the experts –** Weidmüller's connectivity consulting experts have acquired practical specialist knowledge in many international projects.
- **Support in the implementation process –** From analysis to implementation: Our experts support you with all measures.

Find out more about Connectivity Consulting
www.weidmueller.com/connectivity-consulting

Boost Your Efficiency from Engineering to Production

Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering

Digital engineering can be so easy – with the Weidmüller Configurator!
Discover the Weidmüller Configurator (WMC) – your free software solution that guides you through the entire value chain, all the way to production.

With access to nearly 14,000 digital products, the WMC provides an extensive range for configuring terminal strips, processed empty enclosures, and ready-to-connect terminal boxes. This includes over 10,500 products for terminal strip configurations, approximately 2,200 products for terminal box configurations, and around 1,200 products for configuring our heavy-duty connectors.

Your Benefits with the Well-Known WMC:

- **Seamless Engineering** – Import your circuit diagrams and terminal strips effortlessly with a single click directly from your engineering system into the WMC. Our interfaces enable continuous data flows, saving you valuable time, minimizing errors, and ensuring smooth project execution.
- **Optimized Production** – The WMC supports you on the shop floor, helping you assemble the required configurations yourself. Especially in times of skilled labor shortages, the WMC makes your production more efficient. With its user-friendly interface, 3D and touch functions, it eases the workload for your employees.



All information about the software can be found here:
www.weidmueller.com/wmc

New Online Configurator – Experience the Future of Digital Engineering

Configure. Share. Access anywhere.

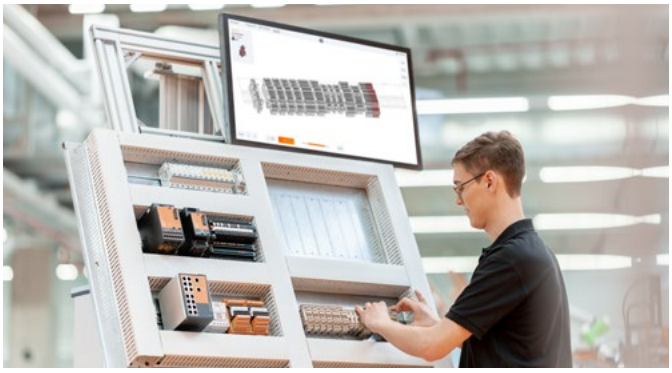
Online & Ready to Go: No installation required – use the Online Configurator directly in your browser. Access it flexibly from any device, whether PC or tablet, in the office or on the go. Your production will have a read-only view mode to ensure the security and consistency of your configurations.

Intelligent Optimization with a single Click: Reduce the width of your terminal strip with just one click – no product knowledge needed. Easily switch connection technologies, for example, from screw to PUSH IN or even to our innovative SNAP IN technology. Or take it a step further and transform your configured rail directly for labeling with the Klippon® Automated RailLaser.

Easy Transition – Seamlessly Integrated: Thanks to the integrated cloud upload function, you can transfer your existing terminal strip configurations from the WMC with just one click.

With the integrated assembly assistant, every installation is guided step by step – making assembly easier and more reliable. This helps address skilled labor shortages while reducing assembly effort and overall costs.





Start online now!
Configure anywhere, anytime and online.
configurator.weidmueller.com



Fast Delivery with Both Configurators:

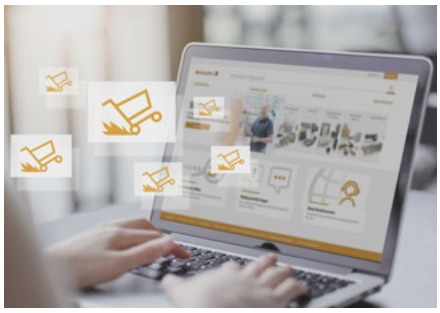
Whether you use the WMC or the Online Configurator – individually configured mounting rails (and enclosures in the WMC) can be directly transferred to the "Fast Delivery Service." You will receive ready-to-install solutions in the shortest possible time. This combines maximum customization with minimal delivery time, allowing you to benefit from fast and reliable delivery.

Digital ordering options
Your digital ordering options at Weidmüller

Find and easily select the products you need, with convenient ordering: as your Partner in Industrial Connectivity, we know what counts in purchasing. That is why we offer you a variety of options for ordering products from us and optimising your purchasing processes to meet your individual requirements and your workflow. The choice is yours.

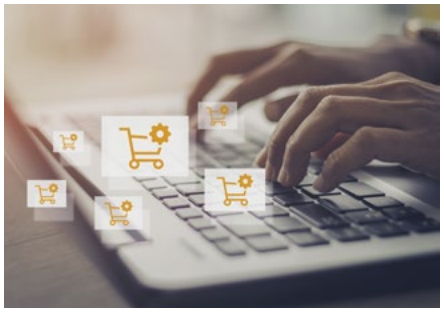
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Technical appendix

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Connection system



SNAP IN spring connection



The SNAP IN spring connection enables extremely fast wiring. Stripped conductors, including flexible conductors without ferrules, can simply be inserted. The spring closes automatically using the "mousetrap principle", while a green indicator and an audible click confirm a secure connection.
The terminal point is supplied in the open position ("ready to robot") and is ideally suited for fully automated assembly processes. For rewiring, the lever or pusher is actuated to open the terminal point. It remains open and is immediately ready for the next conductor.

Customer benefits:

- Simple and fastest conductor connection thanks to the mousetrap concept
- Direct connection of stripped conductors without further preparation - even for flexible conductors without ferrules
- Robust and vibration-resistant wire connection with constantly high wire clamping force
- Visual and audible indication when wiring is complete
- Ready to robot thanks to open clamping point for fully automated wiring processes
- Simple and tool-free operation of the lever for rewiring

Field of application:
The innovative connector for any application in the field with fastest possible and tool-free wiring. Ideal for fully automated wiring processes and in harsh environmental conditions.

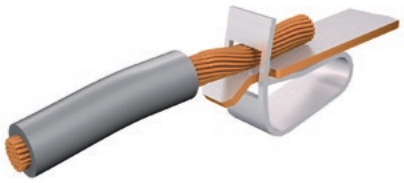
White Paper SNAP IN :

We share our expertise: Find out detailed information and interesting facts about trend topics in the field of device connectivity in our Whitepaper section.



W





PUSH IN spring connection

The PUSH IN spring connection with direct plug-in technology allows the fast wiring process: the stripped or prepared wire is simply pushed into the terminal point as far as it will go and the connection is finished. Operating the release lever is only required with flexible wires or to release the connection. The stainless steel spring ensures a high contact force between wire and the tinned copper busbar. A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.

Customer benefits:

- Fast, tool-less wire connection with direct insertion technology
- The stainless steel spring results in a vibration-resistant connection
- Higher resistance to wire pull-out than in a tension clamp system
- Constant conductor clamping force independent of the operator
- Operator error is reduced using a colour-coded and intuitive actuator
- Wire feed and the operation are aligned in the same direction which permits a compact equipment design

Field of application:

The default choice for operation in the field; it permits speedy wiring and, combined with its small size, its intuitive use is also advantageous even in environments with severe vibration.

Tension clamp connection

The pre-tensioned tension clamp is made from high quality rust and acid resistant steel, wich pulls the wire against the galvanised copper busbar. This results are a permanent and vibration resistant connection. Operation is simple; the spring is opened with a screwdriver, wire is fed through the wire guide into the spring cage and the screwdriver is removed resulting in a clamped wire. The surface-treated busbar ensures low contact resistance and a high resistance to corrosion.

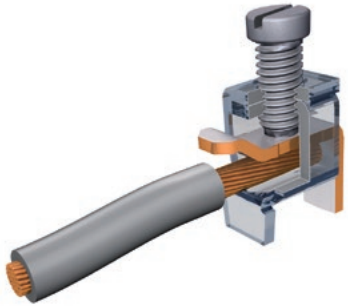
Customer benefits:

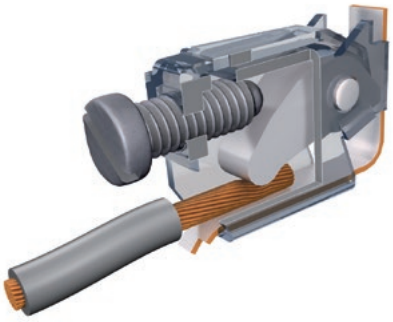
- Constant conductor clamping force independent of the operator
- Wide-spread connection technology
- Simple operation using a screwdriver or the integrated release lever

Field of application:

Fast wiring with a constant clamping force, even in environments with severe vibration.

Connection system





Clamping yoke screw connection



The clamping-yoke connection is the most used screw connection in the world. Steel clamping-yokes made of using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening. As the screw thread is on an inclined plane, there is a force gain created and a very high clamping force is achieved. Weidmüller uses hardened steel with optimal corrosion protection for stability and security and copper alloys in the contact area for good electrical conductivity.

Customer benefits:

- The screw connection guarantees a globally accepted, vibration proof and maintenance free connection.
- A large conductor clamping area is covered.
- The "Wire Ready" technology ensures that the terminal points are fully open at delivery, even after being transported world-wide
- The "Wire Guard" protection mechanism prevents accidental insertion of the wire underneath the clamping area which can be dangerous, it protects against hidden faulty contacts
- The flat clamping yoke also enables the clamping of very small cross-section wires

Field of application:

The standard connection for applications in industrial environments with the highest requirements for reliability even under harsh conditions.

TOP screw connection terminal with Pull-Effect



In the traditional case, the screw is always at a right angle to the conductor outlet direction. The TOP connection, however, allows wire insertion and the screw orientation in the same direction. The TOP connection produces the greatest possible packing density in the terminal area. The "pull effect" ensures that the connected wire is pulled in to the clamping point producing a secure contact.

Customer benefits:

- The "pull effect" pulls the wire into the terminal point. Problems with clearance and creepage distances are avoided.
- Wire feed and the operation are aligned in the same direction which permits a compact equipment design
- The minimum installation height results in an extremely high packing density

Field of application:

Housing design or installation requirements such as PCB slots, that do not allow a right angled screw operation for reasons of space.



Crimp connection

The crimp connection technology provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The crimp contacts can be attached using hand tools or with a crimping machine for producing large batches. The contacts are then locked into the housing provided. For fully automated processing, taped crimp contacts are available.

Customer benefits:

- Rapid, fully automated pre-assembly of connectors is possible
- Long-lasting, positive connection technologies
- Minimal contact resistances
- The conductor connection is extremely thermal shock and vibration resistant

Field of application:

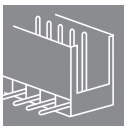
Applications that combine fully automatic and factory oriented processing steps with the actual field wiring. Works in environments with severe vibration or temperature fluctuations.

You are looking for the best connectors for your project We help you find the right solution

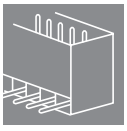
Every new design needs different components to provide a suitable solution for your application. For example, the mating connectors on the PCB and in the housing have to meet different requirements. When installing the mating connectors, your customers will expect enhanced features for safety and convenience.

Possible fastening options for male and female connectors on the printed circuit board:

Connector without fastening option for the plug

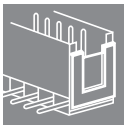


Open (O): this simplest connector version has no side panels. Open variants can be positioned next to one another without a loss of poles (end-stackable). Two 2-pole connectors can therefore be used to produce one 4-pole connector on the printed circuit board. The end-stackable design is flexible when producing very large numbers of poles on the printed circuit board.

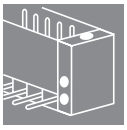


Closed (G): closed versions are used to prevent the plug being incorrectly inserted and to provide better dust protection. Ideally suited to prevent mismating.

Connector with secure fastening with screw option

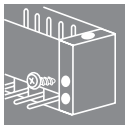


Dovetail (B): the dovetail variant is closed and allows mounted blocks to be added. Our mounting options deliver all the flexiblity you require.

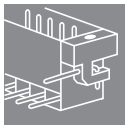


Flange with nut (F): for the classic screw option, each flange is paired with a nut for the screw in the flange plug counterpart.

Connector with additional fastening on printed circuit board

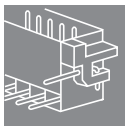


With optional screw: for increased mechanical stability, you can also use a screw to fasten the flange connector to the PCB. An extra hole must be provided on the printed circuit board for the screws.

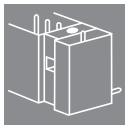


With solder pin (LF): solder flange rather than screw. For increased mechanical stability on the printed circuit board, an additional solder pin is integrated into the flange sides on the printed circuit board. This pin can be simply soldered during the soldering process. There is no need for any more screw connections.

Connector with fastening option for plug – with release latch



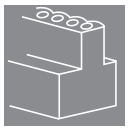
Clip-on flange (RF): if you only want to link connectors and plugs with a release latch and don't want to fix them with a screw, this is the best solution. The clip-on flange provides the plug's latching hook, with the contour needed to ensure a secure fix, which is easy to release later on.



Middle flange (MF): for some OMNIMATE® Power series, alongside the classic flange versions located externally on the right and left of the male and female connectors, we also provide an innovative middle flange with a latching hook mechanism. This clever solution makes very simple and safe handling possible. The pin and plug can be securely fixed and released with just one hand.
As an option, the clip-on flange, with an extra nut in the male connector, can also be screwed down to the plug. Variants with a solder pin for additional fixing on the printed circuit board are also possible.

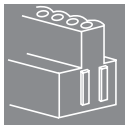
Fixing and releasing a plug with the connector / device:

Plug without fixing option

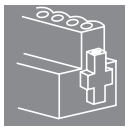


Closed (G): the standard version – without additional flange or latch. To release, simply pull the plug. In most series, the plugs can be plugged next to one another, without a loss of poles.

Plug with fastening option – with screw



Dovetail (B): the variant with a dovetail contour on the left and right is closed and if necessary, you can mount extra small fastening blocks (flanges) for installation. With little effort, you can therefore prepare versions which are both closed and feature a flange.

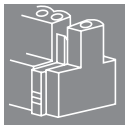


Flange version (F): plugs with flange have a screw on either end. This ensures secure fixing of the plug with the matching connector, with flange and nut. Increased safety means that no one can release the plug by mistake.
In our OMNIMATE® Power series, a latching hook provides secure retention. The screw can also be used for fastening purposes. The latch between the plug and pin can be released by simply pressing on both sides.

Plug with convenient release function – with release lever or latch



Release latch (LR): there is a lever on the right and left of the plug which can be easily moved by pressing with a screwdriver or fingers. Plug and pin are also automatically linked with just one click. Because of the lock mechanism, the plug cannot be released by mistake. Pulling forces are increased, for connectors with large numbers of pins in particular. However the release latch can be used to simply release the plug from the connector with flange, or from the housing without the wires having to be pulled. The plug can only be released from the pin by manually unlocking the release catch at the same time.



Middle flange (MF): for some OMNIMATE® Power series, alongside the classic flange versions located on the right and left of the male and female plugs, we also provide an innovative middle flange. This clever solution makes very simple and safe handling possible. The pin and plug can be securely fixed and released with just one hand. To fix the components, either simply latch together or, for increased safety, you can also insert a screw through the latching hook.

Technical appendix

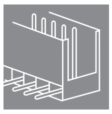
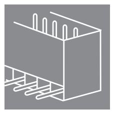
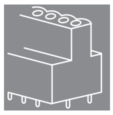
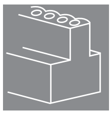
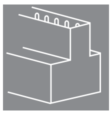
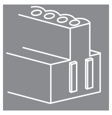
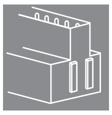
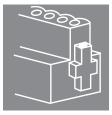
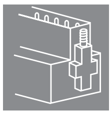
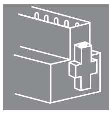
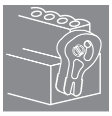
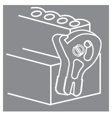
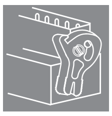
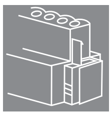
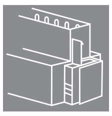
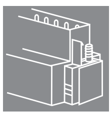
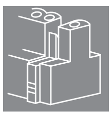
Fastening options for OMNIMATE® printed-circuit board plug-and-socket connectors

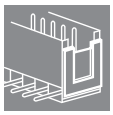
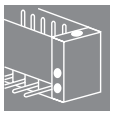
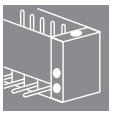
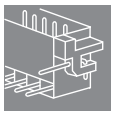
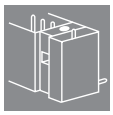
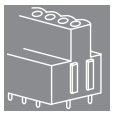
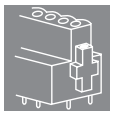
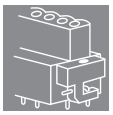
http://www.OMNIMATE.net

Flange options for plug-and-socket connectors

● (orange) = recommended

● (grey) = possible to a limited extent

						O	G
						open	closed
			Fastening for the printed-circuit board			no	no
			Fastening for the strip				
							
				Female connector	Male connector		
OMNIMATE® signal and power	G	closed	no			recommended	recommended
OMNIMATE® signal and power	B	dovetail for B block	via accessories with a screw			recommended	recommended
OMNIMATE® signal and power	F	flange	screw			possible to a limited extent	possible to a limited extent
OMNIMATE® signal and power	FI	inverted flange	nut			possible to a limited extent	possible to a limited extent
OMNIMATE® signal and power	LH	release gear	no			possible to a limited extent	possible to a limited extent
OMNIMATE® signal and power	LR	release latch	bar			possible to a limited extent	possible to a limited extent
OMNIMATE® Power	F	flange	locking hook				
OMNIMATE® Power	FI/SFI	inverted flange	locking hook/ with screw				
OMNIMATE® Power	MF/MSF	centre flange	locking hook/ with screw				

B	F / FI	LF/LFI/FLF	RF	MF/MSF
dovetail for B block	flange with nut	flange with nut	locking flange without a nut (for release latch)	centre flange with/without nut
with the nut from accessories	optional screw	terminal pin	terminal pin	terminal pin (partially)
Pin headers				
				
Socket terminal strips				
				
●	●	●	●	
●	●	●		
●	●	●		
●	●	●		
●	●	●		
●	●	●	●	
	●			
	●	●		
				●

Insulating materials

Weidmüller uses different insulating materials because of the diverse requirements placed on our products.
The insulating materials do not contain any hazardous substances. The use of cadium-free materials is a very high priority.
Our insulating materials contain neither pigments based on heavy metals nor any substances that lead to the formation of dioxin or furan.

		Thermoplastics		
Plastic Abbreviation		**Wemid PA66**	**Wemid GF**	**Polyamide PA**
		Wemid is a modified thermoplastic, its properties are specially tailored to meet the needs of our cable connectors. Advantages over PA are the improved fire protection and the higher sustained working temperature. WEMID meets the stringent requirements for use in railway carriages according to NF F 16-101.	**Glass-fibre reinforced WEMID** offers excellent dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. The material falls in the V-0 flammability class according to UL 94.	**Polyamide (PA)** is one of the most widely used engineering plastics. Advantages of this material are its good electrical and mechanical characteristics, its flexibility and resistance to breakage. In addition, PA offers good fire resistance on account of its chemical structure even without the addition of flame retardants.
Description				
		higher sustained working temperature improved fire resistance halogen-free and phosphor-free flame-retardant material low smoke produced in the event of fire permitted for use in railway applications following NF F 16-101 specifications	excellent dimensional stability very good mechanical characteristics halogen-free flame retardant material	flexible, resistant to breakage good electrical and mechanical characteristics self-extinguishing characteristic halogen-free flame retardant material
Properties				
Specific volume resistance to IEC 60093	Ω x cm	10^{12}	10^{15}	10^{12}
Electric strength to IEC 60243-1	kV / mm	25	35	30
Tracking resistance (A) to IEC 60112	CTI	600	550	600
Upper max. permissible temperature	°C	120	120	100
Lower max. permissible temperature, static	°C	–50	–40	–50
Flamability class to UL 94		V-0	V-0	V-2
Fire behaviour to railway standard		I2 / F2 *)	–	

W

Thermoplastics

Polyamide PAGF	Polyphthalamide PPA (PA9T)	Polybutylene terephthalate PBT	Polybutylene terephthalate PBT (GF)	Liquid crystal polymer LCP (GF)
Glass-fibre reinforced polyamide (PAGF) offers excellent dimensional stability and very good mechanical characteristics. This makes a difference when used as an end bracket. As compared to unreinforced PA, this material has flammability rating HB according to UL 94.	**Polyphthalamide (PPA)** offers excellent mechanical and electrical properties. In addition, the high-performance material is characterized by its low water absorption and thus high dimensional stability and is suitable for both wave and reflow soldering processes.	**Thermoplastic polyester (PBT)** offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.	**Thermoplastic polyester (PBT/glass fibre reinforced)** offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.	**LCP (glass fibre reinforced)** offers excellent dimensional stability, particularly at high temperatures. As the material is similar to PCBs and has a very low thermal expansion coefficient, it is particularly suitable for components that are soldered in the reflow oven.
excellent dimensional stability very good mechanical characteristics halogen-free flame retardant material	increased continuous operating temperature very good electrical and mechanical properties low water absorption halogen-free flame retardant	high dimensional stability good electrical and mechanical characteristics Flame retardants that do not form dioxin or furan.	high dimensional stability good electrical and mechanical characteristics Flame retardants that do not form dioxin or furan.	excellent dimensional stability high constant operating temperature minimal water absorption low thermal expansion coefficient
10^{12}		10^{13}	10^{13}	10^{15}
30	35	28	29	35
500	≥ 600	200	200	175
100	125	115	130	240
–50	–50	–50	–50	–50
HB	V-2 / V-0	V-0	V-0	V-0
	I2 / F2			–

Metals

Steel Components
Our steel components, such as the pressure clamp, provide consistently higher clamping forces than comparable brass components. This ensures highly vibration-resistant and maintenance-free conductor connections. The components are electro-galvanized, fully RoHS compliant, lead-free, and designed to meet the demanding requirements of electrical connection technology.

The corrosion protection system is based on extensive field testing in a wide range of environments, including industrial areas, coastal regions, tropical climates, and standard atmospheric conditions. The zinc coating reliably protects the steel even if the surface is locally damaged by scratches or pores. Due to the electrochemical potential difference between zinc and steel, zinc ions migrate toward the exposed base material, providing long-lasting and effective corrosion protection.

Base Materials
Our current-carrying components are made from high-quality copper alloys such as copper, brass, and bronze, combining high electrical conductivity with excellent mechanical properties. These materials provide the foundation for reliable PCB connections with low contact resistance and stable signal transmission.

The surfaces are typically tin-plated, ensuring highly conformable contacts while providing effective corrosion protection. Tin plating is also used on solder connections. For brass components, an additional nickel layer serves as a diffusion barrier, preventing the migration of zinc ions and maintaining solderability even after long storage periods.

This combination of copper alloys, optimized surface finishes, and diffusion protection ensures that both electrical and mechanical requirements are met reliably, even in demanding applications.

Contact Surfaces
Selecting the appropriate contact surface is crucial for the reliability and service life of PCB connections. Electrical properties, mechanical stress, environmental conditions, and cost all play a key role in determining the most suitable surface finish.

As requirements vary from application to application, there is no universal solution. The right surface finish ensures long-term reliable contact performance and optimum functionality under the specific operating conditions.

Selection Criteria and Application Recommendations for Contact Surfaces

Tin (Sn)
Tin-plated surfaces are the economical standard solution for many PCB connection applications. They offer good solderability and reliable electrical performance for medium-duty requirements. However, fretting corrosion may occur under mechanical movement or vibration.

Silver (Ag)
Silver provides very high electrical conductivity and excellent current-carrying capacity. It is particularly suitable for power applications but may tarnish in sulfur-containing environments. Its electrical performance remains unaffected.

Gold (Au)
Gold-plated surfaces offer consistently low contact resistance and outstanding corrosion resistance. They are ideal for signal and data transmission as well as applications with high mating cycle requirements. Due to the higher material costs, gold is typically used in demanding applications where maximum reliability is required.

Nickel-Phosphorus (NiP)
Nickel-phosphorus surfaces are exceptionally hard and wear-resistant while offering good corrosion protection. They are often used as a base layer or in combination with gold plating. They are especially suitable for mechanically stressed contacts with a high number of mating cycles.

Characteristic	Tin (Sn)	Silver (Ag)	Gold (Au)	Nickel-Phosphorus (NiP)
Contact resistance [mΩ]	0,5 - 5	0,2 - 2	0,2 - 2	2 - 10
Plugging cycles	< 25	< 50	< 500	> 500
Hardness [HV]	5 - 15	25 - 100	60 - 200	450 - 700
Vibration resistance / Fretting	critical	good	very good	Very good to excellent
Solderability	very good	good	good	limited

Derating curve (current-carrying capacity curve)

The **derating curve** shows which currents may flow continuously and simultaneously via all possible connections when the component is subjected to various ambient temperatures below its upper limit temperature.

The **upper limit temperature** of a component is the rated value determined by the materials used. The total of the ambient temperature plus the temperature rise caused by the current load (power loss at volume resistance) may not exceed the upper limit temperature of the component, otherwise it will be damaged or even completely ruined.

The current-carrying capacity is hence not a constant value, but rather decreases as the component ambient temperature increases.
Furthermore, the current-carrying capacity is influenced by the geometry of the component, the number of poles and the conductor(s) connected to it.
The current-carrying capacity is determined empirically according to DIN IEC 60512-3. To do this, the resulting component temperatures t_{b1}, t_{b2} ... and the ambient temperatures t_{u1}, t_{u2} are measured for three different currents I_1, I_2, I_3 ....

The values are entered on a graph with a system of linear coordinates to illustrate the relationships between the currents, the ambient temperatures and the temperature rise in the component.

The **loading currents** are plotted on the y-axis, the **component ambient temperatures** on the x-axis.

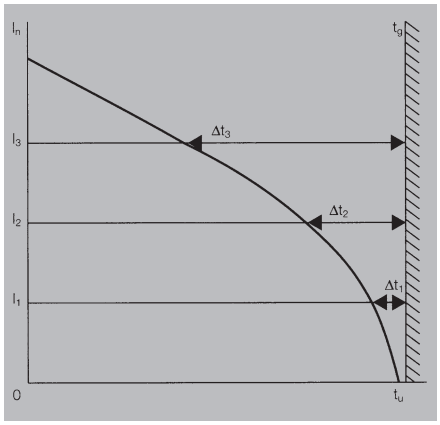
A line drawn perpendicular to the x-axis at the upper limit temperature t_g of the component completes the system of coordinates.

The associated average values of the temperature rise in the component, $\Delta t_1 = t_{b1}-t_{u1}$, $\Delta t_2 = t_{b2}-t_{u2}$, ... are plotted for every current I_1, I_2, ... to the left of the perpendicular line.
The points generated in this way are joined to form a roughly parabolic curve.

As it is practically impossible to choose components with the maximum permissible volume resistances for the measurements, the base curve must be reduced.
Reducing the currents to 80 % results in the **"derating curve"** in which the maximum permissible volume resistances and the measuring uncertainties in the temperature measurements are taken into account in such a way that they are suitable for practical applications, as experience has shown. If the derating curve exceeds the currents in the low ambient temperature zone, which is given by the current-carrying capacity of the conductor cross-sections to be connected, then the derating curve should be limited to the smaller current in this zone.

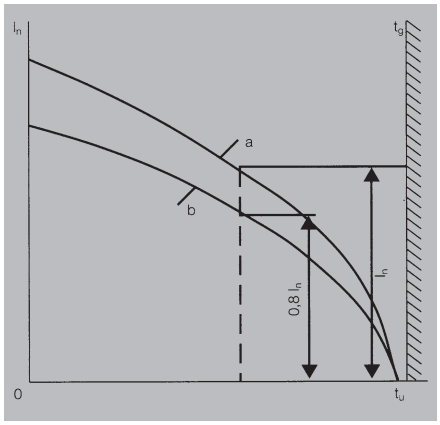
Base curve

max. temperature of component



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current

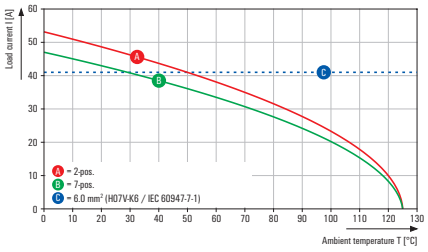
Derating curve



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current
a = base curve
b = reduced base curve (derating curve)

Example: derating curve for minimum and maximum number of poles

BVZ 7.62HP/../180 - SV 7.62HP/../180



Design of clearance and creepage distances in electrical equipment

General:
Since April 1997 the sising of clearance and creepage distances has been covered by DIN VDE 0110 part 1 "Insulation coordination for electrical equipment in low-voltage systems".

DIN VDE 0110 part 1 contains the modified edition of IEC Report 664-1 (see also IEC 664-1/Oct 1992). The design data resulting from these provisions is – if applicable – specified in this catalogue for each product.

Table 1: Rated impulse withstand voltages for electrical equipment

Rated voltage of power supply system*) in V		Rated impulse withstand voltage in kV			
Three-phase systems	Single-phase systems with neutral point	Electrical equipment at the supply point of the installation **(Overvoltage category IV)**	Electrical equipment as part of the permanent installation **(Overvoltage category III)**	Electrical equipment to be connected to the permanent installation **(Overvoltage category II)**	Specially protected electrical equipment **(Overvoltage category I)**
	120 to 240	4,00	2,50	1,50	0,80
230/400 277/480		6,00	4,00	2,50	1,50
400/690		8,00	6,00	4,00	2,50
1000		Values depend on the particular project or, if no values are available, the values above for 400/690 V can be used.			

*) to IEC 38

Category I is valid for specially rated equipment.

Category II is valid for technical committees responsible for electrical equipment specified for connecting to the mains power supply.

Category III is valid for technical committees responsible for installation materials, and for some specific technical committees.

Category IV is valid for power supply companies and particular projects.

Table 2a: Minimum clearances to VDE 0110-1/Apr 1997

Rated impulse withstand volt. in KV	Minimum clearance distances in mm for sites up to 2000 m above sea level									
	Case A (inhomogeneous field)					Case B (homogeneous field)				
	Pollution severity					Pollution severity				
	1	2	1)	3	4	1	2	1)	3	4
0,33	0,01			0,80	1,60	0,01	0,20		0,80	1,60
0,40	0,02		0,10			0,02		0,10		
0,50	0,04	0,20				0,04				
0,60	0,06		0,12			0,06		0,12		
0,80	0,10					0,10				
1,00	0,15		0,20			0,15		0,20		
1,20	0,25	0,25				0,20				
1,50	0,50	0,50				0,30	0,30			
2,00	1,00	1,00		1,00		0,45	0,45			
2,50	1,50	1,50		1,50		0,60	0,60			
3,00	2,00	2,00		2,00	2,00	0,80	0,80			
4,00	3,00	3,00		3,00	3,00	1,20	1,20		1,20	
5,00	4,00	4,00		4,00	4,00	1,50	1,50		1,50	
6,00	5,50	5,50		5,50	5,50	2,00	2,00		2,00	2,00
8,00	8,00	8,00		8,00	8,00	3,00	3,00		3,00	3,00
10,00	11,00	11,00		11,00	11,00	3,50	3,50		3,50	3,50
12,00	14,00	14,00		14,00	14,00	4,50	4,50		4,50	4,50
15,00	18,00	18,00		18,00	18,00	5,50	5,50		5,50	5,50

1) Pollution severity 2 is split for impulse voltages up to 1.00 kV (case A) or 1.20 kV (case B).
These values apply for printed circuits but deviate from those in IEC Report 664.

Dimensioning of clearance and creepage distances to VDE 0110/Apr 1997 (IEC Report 664-1) "Insulation coordination for electrical equipment in low-voltage systems"

The provisions for insulation coordination result in the following relationships for dimensioning of clearance and creepage distances:

- **Clearances** are dimensioned according to the anticipated **overvoltages** taking into account the ratings of the **overvoltage protection precautions** in use and the anticipated environmental conditions taking into account the protective measures taken to prevent **pollution**.

- **Creepage distances** are dimensioned according to the **operating voltage** and the anticipated environmental conditions taking into account the **insulating materials** used and the protective measures taken to prevent **pollution**.

Dimensioning of clearances

Decisive for the dimensioning of clearances are the **rated impulse withstand voltages** shown in table 1, which are derived from the **overvoltage category** and the **phase-to-earth** voltage depending on the rated mains voltage (taking into account all types of supply systems).

The minimum clearances (up to site altitudes of 2000 m above mean sea level) are determined from table 2a based on the **rated impulse withstand voltage** and the **pollution severity.**

Note: Clearances that do not comply with case A must be subjected to an impulse withstand voltage test (see table 2a, footnote 1).

The **pollution severity categories** are as follows:

Pollution severity category 1:
No pollution, or only dry, non-conductive pollution that has no influence.

Pollution severity category 2:
Non-conductive pollution only; occasional condensation may cause temporary conductivity.

Pollution severity category 3:
Conductive pollution, or dry, non-conductive pollution that is liable to be rendered conductive through condensation.

Pollution severity category 4:
Contamination results in constant conductivity, e.g. caused by conductive dust, rain or snow.

The following aspects apply to the **overvoltage categories** in accordance with the German standard DIN VDE 0110-1:

Electrical equipment fed directly from the low-voltage mains
Specification of a specific overvoltage category shall be based on the following:

– Equipment of *overvoltage category I* is equipment that is intended to be connected to the permanent electrical installation of a building. Measures to limit transient overvoltages to the specific level are taken outside the equipment, either in the permanent installation or between the permanent installation and the equipment.

– Equipment of *overvoltage category II* is equipment to be connected to the permanent electrical installation of a building.

Note: Examples of such equipment are household appliances, portable tools and similar loads.

– Equipment of *overvoltage category III* is equipment that is part of the permanent electrical installation and other equipment where a higher degree of availability is expected.

Note: Examples of such equipment are distribution boards, circuit-breakers, wiring systems (IEV 826-06-01, including cables, busbars, junction boxes, switches, power sockets) in the permanent installation, and equipment for industrial use and some other equipment, e.g. stationary motors with permanent connections to the permanent installation.

– Equipment of *overvoltage category IV* is for use at or in the proximity of the incoming supply point of the electrical installations of buildings upstream of the main distribution board.

Table 3a: Single-phase 2- or 3-wire AC or DC systems

Rated voltage of the power supply (mains)*)	Voltages for table 4	
	For insulation phase-to-phase 1)	For insulation phase-to-earth 1)
	All systems	3-wire systems, neutr. point earthing
V	V	V
12,5	12,5	–
24	25	–
25		
30	32	–
42		
48	50	–
50**)		
60	63	–
30–60	63	32
100**)	100	–
110	125	–
120		
150**)	160	–
220	250	–
110–220	250	125
120–240		
300**)	320	–
220–440	500	250
600**)	630	–
480–960	1000	500
1000**)	1000	–

1) Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.

*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.

**) Because of the common changes, the meaning of the ** symbol has not been used in table 1; i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-neutral voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire, 3-phase systems and specifies the value phase-to-phase. The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

Table 3b: 3-phase 3- or 4-wire AC systems

Rated voltage of the power supply (mains)*)	Voltages for table 4		
	For insulation phase-to-phase 1)	For insulation phase-to-earth 1)	
	All systems	3-phase 4-wire systems with earthed neutral wire2)	3-phase 3-wire systems unearthed1) or phase-earthed
V	V	V	V
60	63	32	63
110/120/127	125	80	125
150**)	160	–	160
208	200	125	200
220/230/240	250	160	250
300**)	320	–	320
380/400/415	400	250	400
440	500	250	500
480/500	500	320	500
575	630	400	630
600**)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000**)	1000	–	1000

1) Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.

2) For electrical equipment for use in both 3-phase 4-wire and 3-phase 3-wire supplies, earthed and unearthed, use the values for 3-wire systems only.

*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.

**) Because of the common changes, the meaning of the ** symbol has not been used in table 1; i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-neutral voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire, 3-phase systems and specifies the value phase-to-phase. The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

Note: Examples of such equipment are electricity meters, circuit-breakers and ripple control units.

Note on application of pollution severity and overvoltage categories

The pollution severity and rated impulse withstand voltage derived from the overvoltage category are each specified in this catalogue and are product-related.
In principle, the dimensioning of clearance and creepage distances, and the resulting specification of ratings for electromechanical products (terminal blocks, terminal strips, PCB terminals/ connectors) is based on pollution severity 3 and overvoltage category III considering all types of systems.

Dimensioning of creepage distances

Decisive for dimensioning of creepage distances are the rated voltages derived from the **system voltages** of the power supply for the respective **type of supply system** in conjunction with the **pollution severity** (classification, see "Clearances") and the **insulating material** used.
Taking into account tables 3a and 3b and the CTI (Comparative Tracking Index) of the insulating material, the minimum creepage distances are determined from table 4.

The insulating materials are subdivided into four groups according to their CTI (Comparative Tracking Index):

Insulating material	
I	600 ≤ CTI
II	400 ≤ CTI < 600
III a	175 ≤ CTI < 400
III b	100 ≤ CTI < 175

Table 4: Minimum creepage distances

Rated voltage U_{eff} or $U_{=}$ in V	Creepage distance in mm											
	Printed circuits		Other electrical equipment	Pollution severity								
	Pollution severity			2			3			4		
	1	2	1									
	Insulating mat.	Insulating mat.	Insulating mat.	Insulating material group			Insulating material group			Insulating material group		
	2)	3)	2)	I	II	III	I	II	III 4)	I	II	III 4)
10	0,025	0,04	0,08	0,40	0,40	0,40	1,00	1,00	1,00	1,60	1,60	1,60
12,5	0,025	0,04	0,09	0,42	0,42	0,42	1,05	1,05	1,05	1,60	1,60	1,60
16	0,025	0,04	0,10	0,45	0,45	0,45	1,10	1,10	1,10	1,60	1,60	1,60
20	0,025	0,04	0,11	0,48	0,48	0,48	1,20	1,20	1,20	1,60	1,60	1,60
25	0,025	0,04	0,125	0,50	0,50	0,50	1,25	1,25	1,25	1,70	1,70	1,70
32	0,025	0,04	0,14	0,53	0,53	0,53	1,30	1,30	1,30	1,80	1,80	1,80
40	0,025	0,04	0,16	0,56	0,80	1,10	1,40	1,60	1,80	1,90	2,40	3,00
50	0,025	0,04	0,18	0,60	0,85	1,20	1,50	1,70	1,90	2,00	2,50	3,20
63	0,040	0,06	0,20	0,63	0,90	1,25	1,60	1,80	2,00	2,10	2,60	3,40
80	0,063	0,10	0,22	0,67	0,95	1,30	1,70	1,90	2,10	2,20	2,80	3,60
100	0,10	0,16	0,25	0,71	1,00	1,40	1,80	2,00	2,20	2,40	3,00	3,80
125	0,16	0,25	0,28	0,75	1,05	1,50	1,90	2,10	2,40	2,50	3,20	4,00
160	0,25	0,40	0,32	0,80	1,10	1,60	2,00	2,20	2,50	3,20	4,00	5,00
200	0,40	0,63	0,42	1,00	1,40	2,00	2,50	2,80	3,20	4,00	5,00	6,30
250	0,56	1,00	0,56	1,25	1,80	2,50	3,20	3,60	4,00	5,00	6,30	8,00
320	0,75	1,60	0,75	1,60	2,20	3,20	4,00	4,50	5,00	6,30	8,00	10,00
400	1,00	2,00	1,00	2,00	2,80	4,00	5,00	5,60	6,30	8,00	10,00	12,50
500	1,30	2,50	1,30	2,50	3,60	5,00	6,30	7,10	8,00	10,00	12,50	16,00
630	1,80	3,20	1,80	3,20	4,50	6,30	8,00	9,00	10,00	12,50	16,00	20,00
800	2,40	4,00	2,40	4,00	5,60	8,00	10,00	11,00	12,50	16,00	20,00	25,00
1000	3,20	5,00	3,20	5,00	7,10	10,00	12,50	14,00	16,00	20,00	25,00	32,00

2) Insulating materials I, II, IIIa, IIIb

3) Insulating materials I, II, IIIa

4) Creepage distances are not determined in this range.
Insulation group IIIb is generally not recommended for pollution severity 3 with voltages > 630 V, and is never recommended for pollution severity 4.

The comparative tracking index must be determined according to DIN IEC 112/VDE 0303 part 1 on the basis of specially prepared samples with test solution A.

Slots are taken into account in the measurement of creepage distances when their minimum width x is dimensioned according to the following table:

Pollution-severity	Minimum width x mm
1	0,25
2	1,0
3	1,5
4	2,5

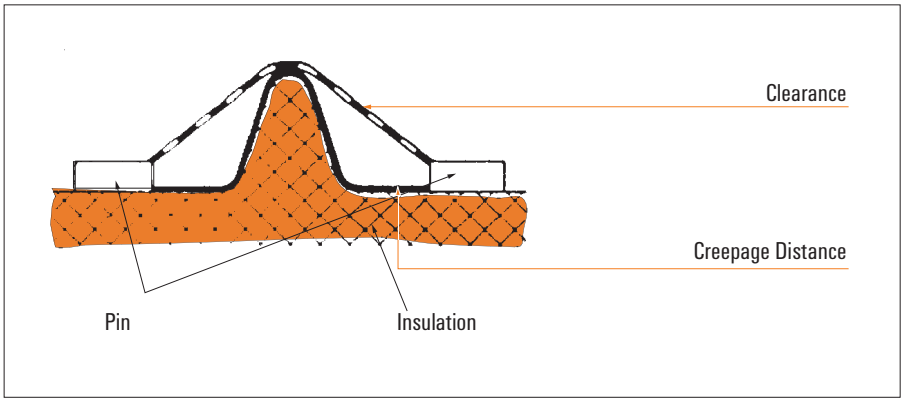
If the associated clearance is less than 3 mm, the minimum slot width can be reduced to 1/3 of the clearance.

Clearance and creepage distances

The maximum voltage to be applied to the connector depends on the distance between two connections.

Two distances have to be taken in account:

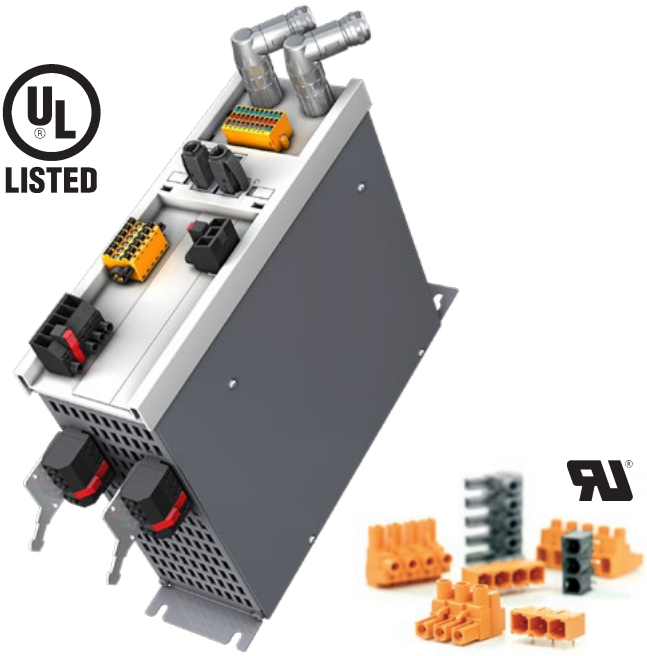
- Clearance = shortest distance between two conductive parts (in air)
- Creepage distance = distance along surface



Measurement of clearance and creepage distances according to UL

The UL standard distinguishes between listed devices and registered components. So a component, such as a terminal, is the smallest product unit and, unlike a device, is not given a UL listing, but is registered. Components may be used as passive elements. In turn, a device consists of certified components which form a unit. It is an end product and designed for use as an active component. There are also different standards and test marks for devices and components, irrespective of where they are used.

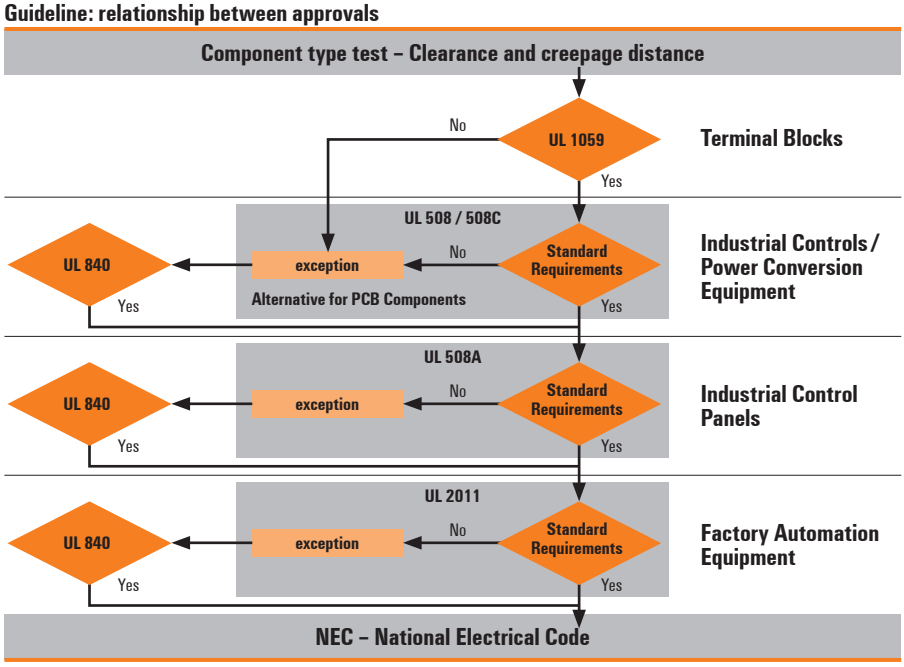
UL therefore sets different requirements for components and devices. Device connectivity components are subject to standard UL 1059, which is the accepted safety standard for terminal blocks and also applies to modular terminal blocks and plug-in connectors. Both are recognised as individual components in accordance with UL 1059.
In the final application, the components are then assessed and approved in conjunction with a device.



There is also device approval in line with UL 61800-5-1: the standard for Adjustable Speed Electrical Power Drive Systems -Part 5-1: Safety Requirements - Electrical, Thermal and Energy" which applies to controlled power electronics drives.

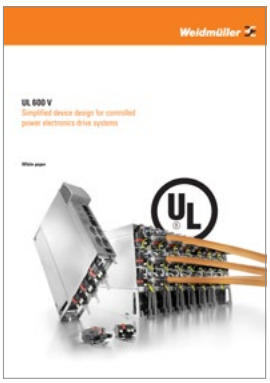


Guideline: relationship between approvals



White Paper UL:
Webcode: #11359

We share our expertise: Find out detailed information and interesting facts about trend topics in the field of device connectivity in our Whitepaper section.



The diagram below shows the approach or procedure for UL approvals from the component to the installation of a production system.

Components - Plug-in connector - Terminal	**Product standard** - PLC - Frequency converter	**Application standard** for industrial control cabinets	**Factory automation** for industrial control cabinets	**Installation of production systems**
				
UL 1059 Component approval for connection systems	**UL 508** Standard for industrial switching devices **UL 61800-5-1** Standard for controlled drive systems	**UL 508A** Standard for switchgears	**UL 2011** Standard for equipment in factories	**NEC** Mandatory American safety standard for electrical installations

The UL 1059 standard distinguishes application groups for connection systems, i.e. for terminals and plug-in connectors, and gives a dedicated description of the requirements for clearance and creepage distances. Industrial requirements are specified for „Use Group" C and/or D.

Application	Description	Potential involved in volts	Clearance distance (mm)	Creepage distance (mm)
A	Operating elements, consoles, etc.	150 300 600	12.7 19.1 25.4	19.1 31.8 50.8
B	Commercial devices, including Office and Electronic Data processing equipment, etc.	150 300 600	1.6 2.4 9.5	1.6 2.4 12.7
C	Industrial, general	150 300 600	3.2 6.4 9.5	6.4 9.5 12.7
D	Industrial, devices having limited ratings	300 600	1.6 4.8	3.2 9.5
E	Connection technology for the 600 V...1500 V voltage range	601 – 1000 1001 – 1500	14 17.8	21.6 30.5
F	Industrial Applications and equipment in accordance with UL 508, 508 C, 840	51 – 1500	As defined in the device standard	As defined in the device standard

Weidmüller connectors in the reflow soldering process

Printed circuit board assembly is generally performed using either Surface-Mount Technology (SMT) or Through-Hole Technology (THT). In SMT processes, electronic components are mounted directly onto the surface of the PCB and soldered using a reflow process. This approach enables high component densities and fully automated manufacturing. THT, in contrast, uses components with wire leads that are inserted through plated through-holes and are typically soldered by wave or selective soldering. THT is primarily used for components that must withstand higher mechanical stresses.

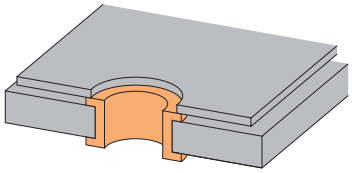


Within SMT-based manufacturing, a distinction is made between Surface Mount Devices (SMD) and Through-Hole Reflow (THR) components. SMD components are surface-mount devices without wire leads and are soldered directly onto PCB pads during the reflow process. THR components, on the other hand, feature through-hole pins that pass through the PCB but are also soldered during the reflow process. This allows mechanically robust or traditionally leaded components to be fully integrated into SMT production lines without requiring additional THT assembly steps.

Process Description: Through-Hole Reflow (THR)

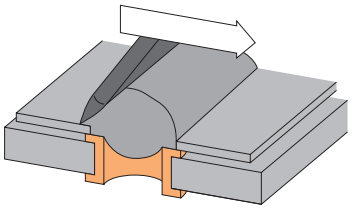
1. Stencil Printing

A stainless-steel stencil is precisely aligned with the PCB. During stencil printing, solder paste is accurately deposited onto the defined apertures surrounding the THR plated-through holes.



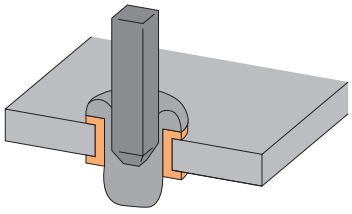
2. Solder Paste Printing

Using a squeegee, the solder paste is applied across the stencil under controlled pressure. The paste completely fills the stencil apertures and is accurately transferred onto the PCB surface, ensuring a precise and repeatable deposition process.



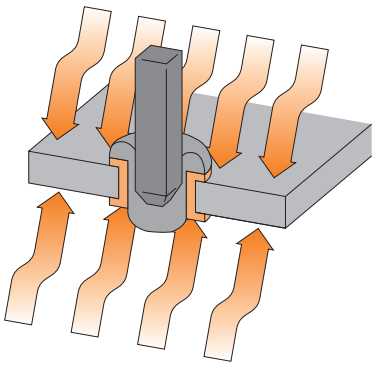
3. THR Assembly

The THR component is inserted with its through-hole pins into the solder paste-filled holes of the PCB. Depending on the production line, this process can be performed manually, semi-automatically, or by a pick-and-place system.



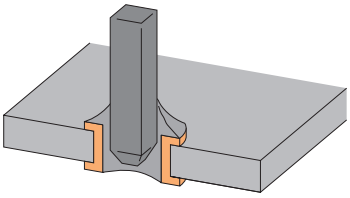
4. Reflow Soldering

The assembled PCB passes through the reflow oven. The solder paste melts and wets the through-hole terminals, creating capillary-driven, mechanically robust THR solder joints.



5. Quality Inspection

After cooling, the assembly undergoes a quality inspection. Depending on the application requirements, verification is performed through visual inspection, Automated Optical Inspection (AOI), or X-ray analysis to evaluate the quality of THR solder joints.



Design recommendations for the through-hole reflow process

Solder paste volume and filling degree for 1.2 mm pin diameter.

The volume of paste and hence the degree of filling of the solder paste in the paste printing technology is critical for optimum soldering results in the SMT process. We recommend determining the quantity of solder paste as follows:

Volume of paste (or rather, degree of filling):
for solder joint filling and solder joint form within the tolerances to IPC-A610

Male conn. (open and closed): Male conn. (solder flange LF):	2 to 8 poles –	9 to 24 poles 2 to 24 poles
Recommended finished hole I.D. *1) :	$d_I = 1{,}4^{+0{,}1}$ mm	$d_I = 1{,}5^{+0{,}1}$ mm
	Paste volume V_P [mm³] / filling level f_P [%] after stencil print	
Minimum solder joint shape Optimum solder joint shape	2,4 mm³ / 70 % 2,9 mm³ / 90 %	3,1 mm³ / 85 % 3,5 mm³ / 100 %

Valid with the following parameters for all SL-SMT variations:

Male connector:

Pin length	**= L**	[mm]	= $1{,}5^{-0{,}3}$
Pin diameter	**= d**	[mm]	= 1,2

PCB:

Thickness	**= H**	[mm]	= 1,6
Placement hole			= metallised
Placement hole inner diameter ID	**= d_I**	[mm]	= see table[1)]
Placement hole outer diameter OD	**= d_A**	[mm]	= 2,3
Positioning tolerance to IEC 326-3			= very fine

Stencil:

Thickness	**= D_S**	[µm]	= 120 – 180
Stencil hole diameter	**= d_S**	[mm]	= 2,1[2)]

Solder paste:

Solder paste particle size		[µm]	= 20 – 40 = Type 3
Evaporation volume of solder paste		[%]	= approx. 50

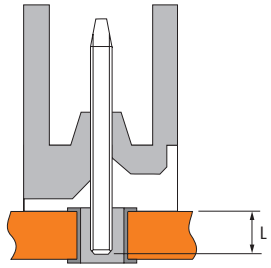
Process:

Stencil print technology			= squeegee print, single
Filling level in placement hole	**= f_P**	[%]	= see table
Technology for automatic assembly			= pick&place
Temperature profile			= to EN 61760-1

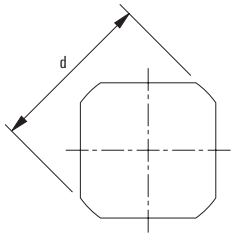
[1)] Tolerances for components, PCBs and automatic machines must be taken into account.

[2)] Stencil hole diameter approx. 10 % smaller than placement hole outer diameter **d_A**

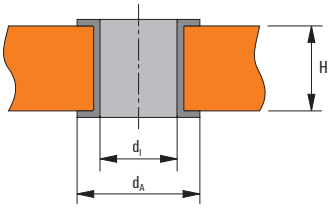
Recommendations for S2C-SMT and SC-SMT 3.81 see:
http://catalog.weidmueller.com



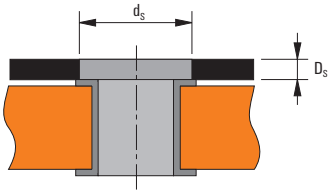
Male connector parameters



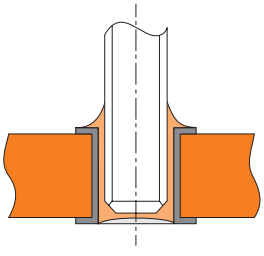
Pin cross-section



PCB parameters



Stencil parameters



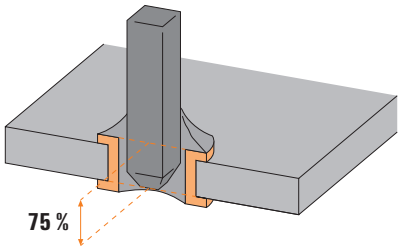
Optimum solder joint form

Quality control

Norms and standards:

To make quality control more objective, norms and standards have been introduced over the recent years. In addition to other acceptance criteria for the manufacturing of electronic components, the quality control assessment criteria of the IPC-A-610E Norm are globally recognised.
According to IPC-A-610E quality requirements, THR solder joints are divided into three classes. For industrial applications where high power demands are made, Class 3 is the usual requirement. The following values are set for the five assessment criteria:

- The primary side solder wetting coverage (i.e. the insertion side from the view of the component), connection and sleeve should not be less than 270°.
- The vertical solder filling must be at least 75 %.



Measuring the filling level of through hole solder joints according to IPC-A-610E

- The secondary side solder wetting coverage (i.e. the underside from the view of the component) should not be less than 330°.
- Solder wetting of the solder pads (i.e. remains of the original ring of the THR solder joint) on the primary side is to be 0 %.
- Solder wetting of the solder pads on the secondary side must be at least 75 %.

These standards produce many demands on the wired components in the quality control. It should be noted that, in the THR process, there are typically two different construction types:

- Short pins when compared to the PCB thickness
- Longer pins when compared to the PCB thickness (about 1 to 1.5 mm protrusion)

For short pin construction there are the following requirements:

- The solder joints on the primary side of the PCB must be visible.
- For components with pins under the insulating body, the height of the component over the PCB must be sufficient to allow optical inspection.

For long pins, there are the following requirements:

- The solder joints on the secondary side must be visible.
- Solder joints on the primary side are, however, not required.

Additionally, in destructive testing with THR components there are requirements placed on the PCB itself. To control the quality of the PCB construction, the pull out strength of the solder pins from the solder joint is tested.

Required pull out strength:

- with short pins: approximately > 150 N.
- for long pins with a solder meniscus on the primary and secondary sides: approximately 220 N.

In comparison,

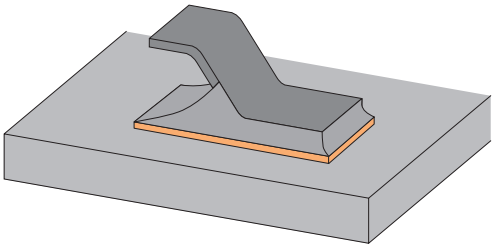
For surface connections for SMD components the required pull-out strength is only about 15 - 20 N.

According to IPC-A-610 Revision E-2010, section 7.3.3 the use of pins that are shorter than the PCB thickness is permissible in principle.

SMD-Technologie (Surface Mount Device)

Surface-Mount-Bauelemente (SMD) sind elektronische Komponenten, die ohne Drahtanschlüsse direkt auf der Leiterplattenoberfläche montiert werden. Ihre metallisierten Anschlüsse werden im Reflowprozess mit den entsprechenden Lötpads verbunden. Die SMD-Technologie ist das zentrale Verfahren der modernen Elektronikfertigung und bietet eine hohe Automatisierbarkeit sowie kompakte Bauformen.

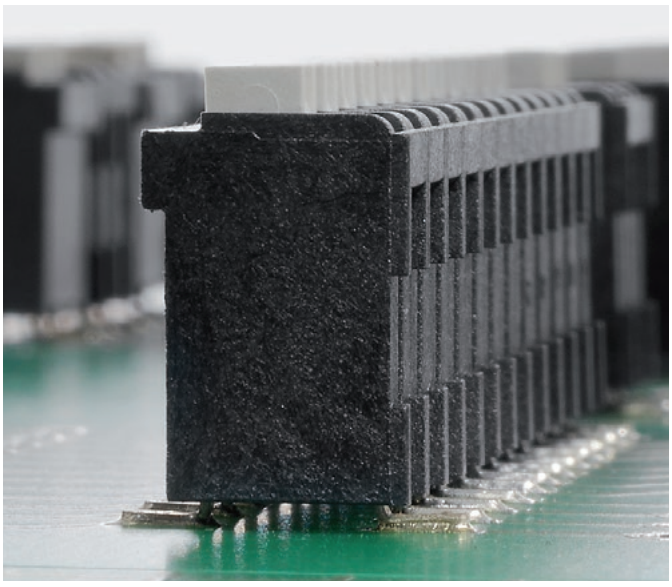
Die Prozesskette entspricht grundsätzlich dem SMT-Standard: Nach dem Auftragen der Lotpaste im Schablonendruck werden die Bauteile per Pick-and-Place auf die definierten Pads gesetzt und im Reflowofen verlötet. Die Lotpaste benetzt dabei die Anschlüsse des Bauteils und bildet die Lötstelle, ohne dass mechanische Fixierungen durch Bohrungen erforderlich sind.



SMD-fähige Anschlusskomponenten lassen sich vollständig in automatisierte SMT-Prozesse integrieren. Durch die Bereitstellung in geeigneten Verpackungsformaten, wie Tape-on-Reel, können sie mit hohen Taktzeiten und reproduzierbarer Präzision bestückt werden. Das erhöht die Prozesssicherheit und reduziert den manuellen Aufwand in der Fertigung.

Da SMD-Komponenten ohne Durchsteckanschlüsse auskommen, entfallen Bohrungen und Durchkontaktierungen, die bei THR- oder THT-Bauteilen notwendig wären. Dies vereinfacht das Leiterplattendesign, verringert den Platzbedarf und schafft zusätzlichen Raum auf der Leiterplattenrückseite – ein wesentlicher Vorteil für doppelseitig bestückte oder besonders kompakte Baugruppen.

Die Oberflächenmontage ermöglicht darüber hinaus eine hohe Packungsdichte und unterstützt schlanke, platzsparende Gerätekonzepte. Insgesamt führt dies zu einer effizienteren, flexibleren und kostenoptimierten Elektronikfertigung.



LSF-SMD

Environmental and Material Compliance

The following sections describe key environmental, chemical, and sustainability requirements relevant to PCB terminals and connectors. These include regulatory requirements as well as established methods for assessing the environmental impact of a product throughout its entire life cycle.

RoHS – Restriction of Hazardous Substances
The European RoHS Directive 2011/65/EU, including its subsequent amendments, regulates the restriction of certain hazardous substances in electrical and electronic equipment. For PCB terminals and connectors, this primarily concerns the permissible concentrations of substances in homogeneous materials, such as contact materials, solder terminations, and insulating materials.
Relevant restricted substances include:
- Lead (Pb)
- Cadmium (Cd)
- Mercury (Hg)
- Hexavalent Chromium (Cr(VI))
- Polybrominated Biphenyls (PBB)
- Polybrominated Diphenyl Ethers (PBDE)
- Certain Phthalates (DEHP, BBP, DBP, DIBP)

Manufacturers must ensure that the concentration limits specified by the directive are met in all materials used. Compliance is typically verified through material declarations provided by the supply chain or through appropriate test reports.

REACH – Information Obligation for SVHC Substances
The REACH Regulation (EC) No. 1907/2006 defines requirements for the registration, evaluation, and safe use of chemical substances. For products such as PCB terminals and connectors, Article 33 is of particular relevance.
If a component of a product contains a substance from the SVHC Candidate List (Substances of Very High Concern) in a concentration exceeding 0.1% by weight, information must be provided to downstream users.
The SVHC Candidate List is updated twice a year by the European Chemicals Agency (ECHA). Compliance assessments are typically based on information provided throughout the supply chain, supported by material databases or laboratory analyses. If an SVHC is present, the substance must be identified and information for its safe use must be provided.

PFAS (Per- and Polyfluoroalkyl Substances)
PFAS are fluorinated organic compounds containing at least one fully fluorinated methyl or methylene group. Due to their exceptional chemical and thermal stability, they do not degrade in the environment and can accumulate in soil, water, living organisms, and the food chain worldwide. Because of this persistence, PFAS are often referred to as “forever chemicals”.

PFAS enter the environment through various emission sources, including industrial wastewater and long-range atmospheric transport. Owing to their unique properties, such as water, oil, and dirt repellency as well as resistance to heat, pressure, and chemicals, they are widely used in materials and functional applications. Relevant examples include fluoropolymers such as PTFE, PVDF, and FKM, certain polymer additives, and PFPE-based specialty lubricants.
At the European level, a comprehensive proposal is being developed to restrict the entire PFAS substance group. This approach is novel because it addresses the whole class of substances based on their chemical structure rather than regulating individual compounds. Specific requirements and transition periods are currently under discussion and may affect different applications and materials in various ways.

SCIP – Database Notification for Articles Containing SVHCs
If an article is subject to information obligations under REACH Article 33, it must also be registered in the SCIP database (Substances of Concern In Products) of the European Chemicals Agency (ECHA).
The notification includes information such as:
- the SVHC concerned
- concentration ranges
- material category
- product identification

SCIP aims to increase material transparency throughout the entire supply chain and support waste management and recycling processes. Products that do not contain SVHCs above the 0.1% threshold are not subject to SCIP notification requirements.

Environmental Product Declarations (EPD)
Environmental Product Declarations (EPD) are available for selected products. An EPD is a standardized document that provides transparent information on the environmental impacts of a product throughout its entire life cycle.
EPDs are based on a Life Cycle Assessment (LCA) conducted in accordance with ISO 14040/14044 and ISO 14025 standards. An EPD typically includes:
- the Product Carbon Footprint (PCF) expressed in kg CO_2 equivalent
- additional environmental indicators (e.g., resource consumption and emissions)
- information on material composition, data sources, and system boundaries

Calculations are based on specific process data and, where necessary, supplemented by generic databases if supplier-specific environmental data is unavailable. EPDs enable transparent and comparable assessments of environmental impacts and are widely used in engineering projects, sustainability reporting, and environmental compliance documentation. All available EPDs can be provided on a customer- or project-specific basis.

Conversion table

AWG to mm² conductors

AWG is the abbreviation for "**A**merican **W**ire **G**auge". This designation bears no resemblance to the actual cross-section of the conductor.

The relationship between AWG and mm² is shown in the following table.

AWG	mm²
28	0.08
26	0.13
24	0.21
22	0.32
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

Index

Index	Index Type	X.2
	Index Order No.	X.20

Type	Order No.	Page
A		
ADP 11	4169330000	S.49
AP 100 BK 9011	1057540000	S.49
AP 100 D BK 9011	1189870000	S.49
AP 100 D GR 7032	8817790000	S.49
AP 100 D OR 2000	1185160000	S.49
AP 110 BK	1189890000	S.49
AP 110 OR	1185260000	S.49
AP 80 D OR 2000	1324360000	S.48
AP 80 OR 2000	1324260000	S.48
AP 86 D OR	1411160000	S.48
AP MCZ1.5 1674	8389030000	S.43
AP RF 122 LI OR 2000	1020640000	S.50
AP RF 122 RE OR 2000	1020650000	S.50
AP RF 80 LI 2025	8156210000	S.48
AP RF 80 RE 2025	8156200000	S.48
B		
B2CF 3.50/04/180 SN OR BX	1277270000	I.12
B2CF 3.50/04/180F SN OR BX	1277650000	I.13
B2CF 3.50/04/180LR SN OR BX	1278040000	I.13
B2CF 3.50/06/180 SN OR BX	1277280000	I.12
B2CF 3.50/06/180F SN OR BX	1277670000	I.13
B2CF 3.50/06/180LR SN OR BX	1278050000	I.13
B2CF 3.50/08/180 SN OR BX	1277290000	I.12
B2CF 3.50/08/180F SN OR BX	1277680000	I.13
B2CF 3.50/08/180LR SN OR BX	1278060000	I.13
B2CF 3.50/10/180 SN OR BX	1277310000	I.12
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B2CF 3.50/12/180 SN OR BX	1277320000	I.12
B2CF 3.50/12/180F SN OR BX	1277720000	I.13
B2CF 3.50/12/180LR SN OR BX	1278080000	I.13
B2CF 3.50/12/180ZE SN OR BX	2730830000	I.13
B2CF 3.50/14/180 SN OR BX	1277330000	I.12
B2CF 3.50/14/180F SN OR BX	1277730000	I.13
B2CF 3.50/14/180LR SN OR BX	1278090000	I.13
B2CF 3.50/14/180ZE SN OR BX	2730900000	I.13
B2CF 3.50/16/180 SN OR BX	1277340000	I.12
B2CF 3.50/16/180F SN OR BX	1277740000	I.13
B2CF 3.50/16/180LR SN OR BX	1278100000	I.13
B2CF 3.50/16/180ZE SN OR BX	3021270000	I.13
B2CF 3.50/18/180 SN OR BX	1277350000	I.12
B2CF 3.50/18/180F SN OR BX	1277750000	I.13
B2CF 3.50/18/180LR SN OR BX	1278110000	I.13
B2CF 3.50/18/180ZE SN OR BX	3021310000	I.13
B2CF 3.50/20/180 SN OR BX	1277360000	I.12
B2CF 3.50/20/180F SN OR BX	1277760000	I.13
B2CF 3.50/20/180LR SN OR BX	1278120000	I.13
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B2L 3.50/12/180FQV6 SN BK BX	1944700000	I.19
B2L 3.50/12/180LHQV6 SN BK BX	1944780000	I.19
B2L 3.50/12/180QV6 SN BK BX	1944620000	I.18
B2L 3.50/14/180FQV7 SN BK BX	1944710000	I.19
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B2L 3.50/14/180QV7 SN BK BX	1944630000	I.18
B2L 3.50/16/180FQV8 SN BK BX PRT	1944720000	I.19
B2L 3.50/16/180LHQV8 SN BK BX	1944800000	I.19
B2L 3.50/16/180QV8 SN BK BX	1944640000	I.18
B2L 3.50/18/180FQV9 SN BK BX	1944730000	I.19
B2L 3.50/18/180LHQV9 SN BK BX	1944810000	I.19
B2L 3.50/18/180QV9 SN BK BX	1944650000	I.18
B2L/S2L 3.50 KO BK BX	1849740000	I.6
B2L/S2L 3.50 KO BK BX	1849740000	I.8
B2L/S2L 3.50 KO BK BX	1849740000	I.10
B2L/S2L 3.50 KO BK BX	1849740000	I.12
B2L/S2L 3.50 KO BK BX	1849740000	I.14
B2L/S2L 3.50 KO BK BX	1849740000	I.16
B2L/S2L 3.50 KO BK BX	1849740000	I.18
B2L/S2L 3.50 KO BK BX	1849740000	M.10
B2L/S2L 3.50 KO OR BX	1849730000	I.6
B2L/S2L 3.50 KO OR BX	1849730000	I.8
B2L/S2L 3.50 KO OR BX	1849730000	I.10
B2L/S2L 3.50 KO OR BX	1849730000	I.12
B2L/S2L 3.50 KO OR BX	1849730000	I.14
B2L/S2L 3.50 KO OR BX	1849730000	I.16
B2L/S2L 3.50 KO OR BX	1849730000	I.18
B2L/S2L 3.50 KO OR BX	1849730000	M.10
BBDF BK	1307580000	M.6
BBDF OR	1307570000	M.6
BCF 3.81/02/180 SN OR BX	1969090000	J.54
BCF 3.81/02/180F SN OR BX	1970300000	J.55
BCF 3.81/02/180LR SN OR BX	2442040000	J.55
BCF 3.81/03/180 SN OR BX	1969100000	J.54
BCF 3.81/03/180F SN OR BX	1970330000	J.55
BCF 3.81/03/180LR SN OR BX	2442610000	J.55
BCF 3.81/04/180 SN OR BX	1969110000	J.54
BCF 3.81/04/180F SN OR BX	1970370000	J.55
BCF 3.81/04/180LR SN OR BX	2442620000	J.55
BCF 3.81/05/180 SN OR BX	1969120000	J.54
BCF 3.81/05/180F SN OR BX	1970380000	J.55
BCF 3.81/05/180FZE SN OR BX	1235970000	J.57
BCF 3.81/05/180LR SN OR BX	2442630000	J.55
BCF 3.81/05/180LRZE SN OR BX	2442960000	J.57
BCF 3.81/05/180ZE SN OR BX	1235790000	J.56
BCF 3.81/06/180 SN OR BX	1969130000	J.54
BCF 3.81/06/180F SN OR BX	1970400000	J.55
BCF 3.81/06/180FZE SN OR BX	1235980000	J.57
BCF 3.81/06/180LR SN OR BX	2442640000	J.55
BCF 3.81/06/180LRZE SN OR BX	2443010000	J.57
BCF 3.81/06/180ZE SN OR BX	1235800000	J.56
BCF 3.81/07/180 SN OR BX	1969140000	J.54
BCF 3.81/07/180F SN OR BX	1970440000	J.55
BCF 3.81/07/180FZE SN OR BX	1235990000	J.57
BCF 3.81/07/180LR SN OR BX	2442650000	J.55
BCF 3.81/07/180LRZE SN OR BX	2443060000	J.57
BCF 3.81/07/180ZE SN OR BX	1235810000	J.56
BCF 3.81/08/180 SN OR BX	1969150000	J.54
BCF 3.81/08/180F SN OR BX	1970550000	J.55
BCF 3.81/08/180FZE SN OR BX	1236000000	J.57
BCF 3.81/08/180LR SN OR BX	2442660000	J.55
BCF 3.81/08/180LRZE SN OR BX	2443020000	J.57
BCF 3.81/08/180ZE SN OR BX	1235820000	J.56
BCF 3.81/09/180 SN OR BX	1969160000	J.54
BCF 3.81/09/180F SN OR BX	1970570000	J.55
BCF 3.81/09/180FZE SN OR BX	1236010000	J.57
BCF 3.81/09/180LR SN OR BX	2442670000	J.55
BCF 3.81/09/180LRZE SN OR BX	2443030000	J.57
BCF 3.81/09/180ZE SN OR BX	1235830000	J.56
BCF 3.81/10/180 SN OR BX	1969170000	J.54
BCF 3.81/10/180F SN OR BX	1970580000	J.55
BCF 3.81/10/180FZE SN OR BX	1236020000	J.57
BCF 3.81/10/180LR SN OR BX	2442680000	J.55
BCF 3.81/10/180LRZE SN OR BX	2442910000	J.57
BCF 3.81/10/180ZE SN OR BX	1235840000	J.56
BCF 3.81/11/180 SN OR BX	1969180000	J.54
BCF 3.81/11/180F SN OR BX	1970620000	J.55
BCF 3.81/11/180FZE SN OR BX	1236030000	J.57
BCF 3.81/11/180LR SN OR BX	2442690000	J.55
BCF 3.81/11/180LRZE SN OR BX	2442920000	J.57
BCF 3.81/11/180ZE SN OR BX	1235870000	J.56
BCF 3.81/12/180 SN OR BX	1969190000	J.54
BCF 3.81/12/180F SN OR BX	1970650000	J.55
BCF 3.81/12/180FZE SN OR BX	1236040000	J.57
BCF 3.81/12/180LR SN OR BX	2442700000	J.55
BCF 3.81/12/180LRZE SN OR BX	2443050000	J.57
BCF 3.81/12/180ZE SN OR BX	1235880000	J.56
BCL-SMT 3.81/02/180 1.5SN BK BX	1976490000	J.60
BCL-SMT 3.81/02/180LFI 1.5SN BK BX	1029260000	J.61
BCL-SMT 3.81/02/90 1.5SN BK BX	1974750000	J.58
BCL-SMT 3.81/02/90F 1.5SN BK BX	1975690000	J.59
BCL-SMT 3.81/02/90LFI 1.5SN BK BX	1028720000	J.59
BCL-SMT 3.81/03/180 1.5SN BK BX	1976500000	J.60
BCL-SMT 3.81/03/180LFI 1.5SN BK BX	1029270000	J.61
BCL-SMT 3.81/03/90 1.5SN BK BX	1974770000	J.58
BCL-SMT 3.81/03/90F 1.5SN BK BX	1975700000	J.59
BCL-SMT 3.81/03/90LFI 1.5SN BK BX	1028730000	J.59
BCL-SMT 3.81/04/180 1.5SN BK BX	1976520000	J.60
BCL-SMT 3.81/04/180LFI 1.5SN BK BX	1029280000	J.61
BCL-SMT 3.81/04/90 1.5SN BK BX	1974780000	J.58
BCL-SMT 3.81/04/90F 1.5SN BK BX	1975710000	J.59
BCL-SMT 3.81/04/90LFI 1.5SN BK BX	1028740000	J.59
BCL-SMT 3.81/05/180 1.5SN BK BX	1976530000	J.60
BCL-SMT 3.81/05/180LFI 1.5SN BK BX	1029290000	J.61
BCL-SMT 3.81/05/90 1.5SN BK BX	1974800000	J.58
BCL-SMT 3.81/05/90F 1.5SN BK BX	1975730000	J.59
BCL-SMT 3.81/05/90LFI 1.5SN BK BX	1028750000	J.59
BCL-SMT 3.81/06/180 1.5SN BK BX	1976550000	J.60
BCL-SMT 3.81/06/180LFI 1.5SN BK BX	1029310000	J.61
BCL-SMT 3.81/06/90 1.5SN BK BX	1974820000	J.58
BCL-SMT 3.81/06/90F 1.5SN BK BX	1975740000	J.59
BCL-SMT 3.81/06/90LFI 1.5SN BK BX	1028760000	J.59
BCL-SMT 3.81/07/180 1.5SN BK BX	1976570000	J.60
BCL-SMT 3.81/07/180LFI 1.5SN BK BX	1029320000	J.61
BCL-SMT 3.81/07/90 1.5SN BK BX	1974840000	J.58
BCL-SMT 3.81/07/90F 1.5SN BK BX	1975750000	J.59
BCL-SMT 3.81/07/90LFI 1.5SN BK BX	1028770000	J.59
BCL-SMT 3.81/08/180 1.5SN BK BX	1976580000	J.60
BCL-SMT 3.81/08/180LFI 1.5SN BK BX	1029330000	J.61
BCL-SMT 3.81/08/90 1.5SN BK BX	1974850000	J.58
BCL-SMT 3.81/08/90F 1.5SN BK BX	1975760000	J.59
BCL-SMT 3.81/08/90LFI 1.5SN BK BX	1028790000	J.59
BCL-SMT 3.81/09/180 1.5SN BK BX	1976590000	J.60
BCL-SMT 3.81/09/180LFI 1.5SN BK BX	1029340000	J.61
BCL-SMT 3.81/09/90 1.5SN BK BX	1974880000	J.58
BCL-SMT 3.81/09/90F 1.5SN BK BX	1975780000	J.59
BCL-SMT 3.81/09/90LFI 1.5SN BK BX	1028810000	J.59
BCL-SMT 3.81/10/180 1.5SN BK BX	1976610000	J.60
BCL-SMT 3.81/10/180LFI 1.5SN BK BX	1029350000	J.61
BCL-SMT 3.81/10/90 1.5SN BK BX	1974890000	J.58
BCL-SMT 3.81/10/90F 1.5SN BK BX	1975790000	J.59
BCL-SMT 3.81/10/90LFI 1.5SN BK BX	1028820000	J.59
BCL-SMT 3.81/11/180 1.5SN BK BX	1976620000	J.60
BCL-SMT 3.81/11/180LFI 1.5SN BK BX	1029360000	J.61
BCL-SMT 3.81/11/90 1.5SN BK BX	1974910000	J.58
BCL-SMT 3.81/11/90F 1.5SN BK	1975820000	J.59
BCL-SMT 3.81/11/90LFI 1.5SN BK BX	1028830000	J.59
BCL-SMT 3.81/12/180 1.5SN BK BX	1976640000	J.60
BCL-SMT 3.81/12/180LFI 1.5SN BK BX	1029370000	J.61
BCL-SMT 3.81/12/90 1.5SN BK BX	1974930000	J.58
BCL-SMT 3.81/12/90F 1.5SN BK	1975830000	J.59
BCL-SMT 3.81/12/90LFI 1.5SN BK BX	1028840000	J.59
BCZ 3.81 AH03 BK BX	1005280000	J.48
BCZ 3.81 AH03 BK BX	1005280000	M.4
BCZ 3.81 AH04 BK BX	1005290000	J.48
BCZ 3.81 AH04 BK BX	1005290000	M.4
BCZ 3.81 AH05 BK BX	1005300000	J.48
BCZ 3.81 AH05 BK BX	1005300000	M.4
BCZ 3.81 AH06 BK BX	1005310000	J.48
BCZ 3.81 AH06 BK BX	1005310000	M.4
BCZ 3.81 AH07 BK BX	1005320000	J.48
BCZ 3.81 AH07 BK BX	1005320000	M.4
BCZ 3.81 AH08 BK BX	1005330000	J.48
BCZ 3.81 AH08 BK BX	1005330000	M.4
BCZ 3.81 AH09 BK BX	1005340000	J.48
BCZ 3.81 AH09 BK BX	1005340000	M.4
BCZ 3.81 AH10 BK BX	1005350000	J.48
BCZ 3.81 AH10 BK BX	1005350000	M.4
BCZ 3.81 AH11 BK BX	1005360000	M.4
BCZ 3.81 AH12 BK BX	1005370000	J.48
BCZ 3.81 AH12 BK BX	1005370000	M.4
BCZ 3.81 AH13 BK BX	1005380000	J.48
BCZ 3.81 AH14 BK BX	1005390000	J.48
BCZ 3.81 AH15 BK BX	1005400000	J.48
BCZ 3.81 AH16 BK BX	1005410000	J.48
BCZ 3.81/02/180 SN OR BX	1940730000	J.48
BCZ 3.81/02/180F SN OR BX	1941010000	J.49
BCZ 3.81/02/180LR SN OR BX	2442360000	J.49
BCZ 3.81/02/270 SN OR BX	1940190000	J.53
BCZ 3.81/02/270F SN OR BX	1940460000	J.53
BCZ 3.81/02/90 SN OR BX	1939820000	J.52
BCZ 3.81/02/90F SN OR BX	1939980000	J.53
BCZ 3.81/03/180 SN OR BX	1940740000	J.48
BCZ 3.81/03/180F SN OR BX	1941020000	J.49
BCZ 3.81/03/180LR SN OR BX	2442370000	J.49
BCZ 3.81/03/270 SN OR BX	1940200000	J.53
BCZ 3.81/03/270F SN OR BX	1940470000	J.53
BCZ 3.81/03/90 SN OR BX	1939830000	J.52
BCZ 3.81/03/90F SN OR BX	1939990000	J.53
BCZ 3.81/04/180 SN OR BX	1940750000	J.48
BCZ 3.81/04/180F SN OR BX	1941030000	J.49
BCZ 3.81/04/180LR SN OR BX	2442310000	J.49
BCZ 3.81/04/270 SN OR BX	1940210000	J.53
BCZ 3.81/04/270F SN OR BX	1940480000	J.53
BCZ 3.81/04/90 SN OR BX	1939840000	J.52
BCZ 3.81/04/90F SN OR BX	1940000000	J.53
BCZ 3.81/05/180 SN OR BX	1940760000	J.48
BCZ 3.81/05/180F SN OR BX	1941040000	J.49
BCZ 3.81/05/180FZE SN OR BX	1236530000	J.51
BCZ 3.81/05/180LR SN OR BX	2442320000	J.49
BCZ 3.81/05/180LRZE SN OR BX	2442030000	J.51
BCZ 3.81/05/180ZE SN OR BX	1236270000	J.50
BCZ 3.81/05/270 SN OR BX	1940220000	J.53
BCZ 3.81/05/270F SN OR BX	1940490000	J.53
BCZ 3.81/05/90 SN OR BX	1939860000	J.52
BCZ 3.81/05/90F SN OR BX	1940010000	J.53
BCZ 3.81/06/180 SN OR BX	1940770000	J.48
BCZ 3.81/06/180F SN OR BX	1941050000	J.49
BCZ 3.81/06/180FZE SN OR BX	1236540000	J.51
BCZ 3.81/06/180LR SN OR BX	2442330000	J.49
BCZ 3.81/06/180LRZE SN OR BX	2442260000	J.51
BCZ 3.81/06/180ZE SN OR BX	1236280000	J.50
BCZ 3.81/06/270 SN OR BX	1940230000	J.53
BCZ 3.81/06/270F SN OR BX	1940500000	J.53
BCZ 3.81/06/90 SN OR BX	1939870000	J.52
BCZ 3.81/06/90F SN OR BX	1940020000	J.53
BCZ 3.81/07/180 SN OR BX	1940780000	J.48
BCZ 3.81/07/180F SN OR BX	1941060000	J.49
BCZ 3.81/07/180FZE SN OR BX	1236570000	J.51
BCZ 3.81/07/180LR SN OR BX	2442340000	J.49
BCZ 3.81/07/180LRZE SN OR BX	2442210000	J.51
BCZ 3.81/07/180ZE SN OR BX	1236290000	J.50
BCZ 3.81/07/270 SN OR BX	1940240000	J.53
BCZ 3.81/07/270F SN OR BX	1940510000	J.53
BCZ 3.81/07/90 SN OR BX	1939880000	J.52
BCZ 3.81/07/90F SN OR BX	1940030000	J.53
BCZ 3.81/08/180 SN OR BX	1940790000	J.48
BCZ 3.81/08/180F SN OR BX	1941070000	J.49
BCZ 3.81/08/180FZE SN OR BX	1236590000	J.51
BCZ 3.81/08/180LR SN OR BX	2442380000	J.49
BCZ 3.81/08/180LRZE SN OR BX	2442290000	J.51
BCZ 3.81/08/180ZE SN OR BX	1236300000	J.50
BCZ 3.81/08/270 SN OR BX	1940250000	J.53
BCZ 3.81/08/270F SN OR BX	1940520000	J.53
BCZ 3.81/08/90 SN OR BX	1939890000	J.52
BCZ 3.81/08/90F SN OR BX	1940040000	J.53
BCZ 3.81/09/180 SN OR BX	1940800000	J.48
BCZ 3.81/09/180F SN OR BX	1941080000	J.49
BCZ 3.81/09/180FZE SN OR BX	1236600000	J.51
BCZ 3.81/09/180LR SN OR BX	2442390000	J.49
BCZ 3.81/09/180LRZE SN OR BX	2442300000	J.51
BCZ 3.81/09/180ZE SN OR BX	1236320000	J.50
BCZ 3.81/09/270 SN OR BX	1940260000	J.53
BCZ 3.81/09/270F SN OR BX	1940530000	J.53
BCZ 3.81/09/90 SN OR BX	1939900000	J.52
BCZ 3.81/09/90F SN OR BX	1940050000	J.53
BCZ 3.81/10/180 SN OR BX	1940810000	J.48
BCZ 3.81/10/180F SN OR BX	1941090000	J.49
BCZ 3.81/10/180FZE SN OR BX	1236610000	J.51
BCZ 3.81/10/180LR SN OR BX	2442400000	J.49
BCZ 3.81/10/180LRZE SN OR BX	2442240000	J.51
BCZ 3.81/10/180ZE SN OR BX	1236330000	J.50
BCZ 3.81/10/270 SN OR BX	1940270000	J.53
BCZ 3.81/10/270F SN OR BX	1940540000	J.53
BCZ 3.81/10/90 SN OR BX	1939910000	J.52
BCZ 3.81/10/90F SN OR BX	1940060000	J.53
BCZ 3.81/11/180 SN OR BX	1940820000	J.48
BCZ 3.81/11/180F SN OR BX	1941100000	J.49
BCZ 3.81/11/180FZE SN OR BX	1236620000	J.51
BCZ 3.81/11/180LR SN OR BX	2442350000	J.49
BCZ 3.81/11/180LRZE SN OR BX	2442220000	J.51
BCZ 3.81/11/180ZE SN OR BX	1236340000	J.50
BCZ 3.81/11/270 SN OR BX	1940280000	J.53
BCZ 3.81/11/270F SN OR BX	1940550000	J.53
BCZ 3.81/11/90 SN OR BX	1939920000	J.52
BCZ 3.81/11/90F SN OR BX	1940070000	J.53
BCZ 3.81/12/180 SN OR BX	1940830000	J.48
BCZ 3.81/12/180F SN OR BX	1941110000	J.49
BCZ 3.81/12/180FZE SN OR BX	1236630000	J.51
BCZ 3.81/12/180LR SN OR BX	2442410000	J.49
BCZ 3.81/12/180LRZE SN OR BX	2442270000	J.51
BCZ 3.81/12/180ZE SN OR BX	1236370000	J.50
BCZ 3.81/12/270 SN OR BX	1940290000	J.53
BCZ 3.81/12/270F SN OR BX	1940560000	J.53
BCZ 3.81/12/90 SN OR BX	1939930000	J.52
BCZ 3.81/12/90F SN OR BX	1940080000	J.53
BHF 5.00/02/180LH BK/BK	1497740000	S.37
BHF 5.00/02/180LH BK/BL	1989220000	S.37
BHF 5.00/02/180LH BK/OR	1988380000	S.36
BHF 5.00/03/180LH BK/BK	1497670000	S.37
BHF 5.00/03/180LH BK/BL	1989200000	S.37
BHF 5.00/03/180LH BK/OR	1989210000	S.36
BHF 5.00/04/180LH BK/BK	1497500000	S.37
BHF 5.00/04/180LH BK/BL	1989090000	S.37
BHF 5.00/04/180LH BK/OR	1989190000	S.36
BHZ 5.00/02/90LH BK/BK	1069330000	S.37
BHZ 5.00/02/90LH BK/BL	1069360000	S.37
BHZ 5.00/02/90LH BK/OR	1063260000	S.36
BHZ 5.00/03/90LH BK/BK	1069340000	S.37
BHZ 5.00/03/90LH BK/BL	1069370000	S.37
BHZ 5.00/03/90LH BK/OR	1063270000	S.36
BHZ 5.00/04/90LH BK/BK	1069350000	S.37
BHZ 5.00/04/90LH BK/BL	1069380000	S.37
BHZ 5.00/04/90LH BK/OR	1063280000	S.36
BL 3.50 AH03 BK BX	1745580000	I.48
BL 3.50 AH03 BK BX	1745580000	M.4
BL 3.50 AH04 BK BX	1745590000	I.48
BL 3.50 AH04 BK BX	1745590000	M.4
BL 3.50 AH05 BK BX	1745600000	I.48
BL 3.50 AH05 BK BX	1745600000	M.4
BL 3.50 AH06 BK BX	1745610000	I.48
BL 3.50 AH06 BK BX	1745610000	M.4
BL 3.50 AH07 BK BX	1745620000	I.48
BL 3.50 AH07 BK BX	1745620000	M.4
BL 3.50 AH08 BK BX	1745630000	I.48
BL 3.50 AH08 BK BX	1745630000	M.4
BL 3.50 AH09 BK BX	1745640000	I.48
BL 3.50 AH09 BK BX	1745640000	M.4
BL 3.50 AH10 BK BX	1745650000	I.48
BL 3.50 AH10 BK BX	1745650000	M.4
BL 3.50 AH11 BK BX	1745660000	I.48
BL 3.50 AH11 BK BX	1745660000	M.4
BL 3.50 AH12 BK BX	1745670000	I.48
BL 3.50 AH12 BK BX	1745670000	M.4
BL 3.50 AH13 BK BX	1745680000	I.48
BL 3.50 AH14 BK BX	1745690000	I.48
BL 3.50 AH15 BK BX	1745700000	I.48
BL 3.50 AH16 BK BX	1745710000	I.48
BL 3.50 ZE03 BK BX	1627820000	I.12
BL 3.50 ZE03 BK BX	1627820000	I.48
BL 3.50 ZE03 OR BX	1629680000	I.12
BL 3.50 ZE03 OR BX	1629680000	I.48
BL 3.50 ZE08 OR BX	1629690000	I.12
BL 3.50 ZE08 OR BX	1629690000	I.48
BL 3.50/02/180 SN OR BX	1597360000	I.48
BL 3.50/02/180F SN OR BX	1606640000	I.49
BL 3.50/02/180LR SN OR BX	1530990000	I.49
BL 3.50/02/270 SN OR BX	1639470000	I.51
BL 3.50/02/270F SN OR BX	1639930000	I.51
BL 3.50/02/90 SN OR BX	1638550000	I.50
BL 3.50/02/90F SN OR BX	1639010000	I.51
BL 3.50/03/180 SN OR BX	1597370000	I.48
BL 3.50/03/180F SN OR BX	1606650000	I.49
BL 3.50/03/180LR SN OR BX	1531000000	I.49
BL 3.50/03/270 SN OR BX	1639480000	I.51
BL 3.50/03/270F SN OR BX	1639940000	I.51
BL 3.50/03/90 SN OR BX	1638560000	I.50

Type	Order No.	Page
BL 3.50/03/90F SN OR BX	1639020000	I.51
BL 3.50/04/180 SN OR BX	1597380000	I.48
BL 3.50/04/180F SN OR BX	1606660000	I.49
BL 3.50/04/180LR SN OR BX	1531010000	I.49
BL 3.50/04/270 SN OR BX	1639490000	I.51
BL 3.50/04/270F SN OR BX	1639950000	I.51
BL 3.50/04/90 SN OR BX	1638570000	I.50
BL 3.50/04/90F SN OR BX	1639030000	I.51
BL 3.50/05/180 SN OR BX	1597390000	I.48
BL 3.50/05/180F SN OR BX	1606670000	I.49
BL 3.50/05/180LR SN OR BX	1531020000	I.49
BL 3.50/05/270 SN OR BX	1639500000	I.51
BL 3.50/05/270F SN OR BX	1639960000	I.51
BL 3.50/05/90 SN OR BX	1638580000	I.50
BL 3.50/05/90F SN OR BX	1639040000	I.51
BL 3.50/06/180 SN OR BX	1597400000	I.48
BL 3.50/06/180F SN OR BX	1606680000	I.49
BL 3.50/06/180LR SN OR BX	1531030000	I.49
BL 3.50/06/270 SN OR BX	1639510000	I.51
BL 3.50/06/270F SN OR BX	1639970000	I.51
BL 3.50/06/90 SN OR BX	1638590000	I.50
BL 3.50/06/90F SN OR BX	1639050000	I.51
BL 3.50/07/180 SN OR BX	1597410000	I.48
BL 3.50/07/180F SN OR BX	1606690000	I.49
BL 3.50/07/180LR SN OR BX	1531040000	I.49
BL 3.50/07/270 SN OR BX	1639520000	I.51
BL 3.50/07/270F SN OR BX	1639980000	I.51
BL 3.50/07/90 SN OR BX	1638600000	I.50
BL 3.50/07/90F SN OR BX	1639060000	I.51
BL 3.50/08/180 SN OR BX	1597420000	I.48
BL 3.50/08/180F SN OR BX	1606700000	I.49
BL 3.50/08/180LR SN OR BX	1531050000	I.49
BL 3.50/08/270 SN OR BX	1639530000	I.51
BL 3.50/08/270F SN OR BX	1639990000	I.51
BL 3.50/08/90 SN OR BX	1638610000	I.50
BL 3.50/08/90F SN OR BX	1639070000	I.51
BL 3.50/09/180 SN OR BX	1597430000	I.48
BL 3.50/09/180F SN OR BX	1606710000	I.49
BL 3.50/09/180LR SN OR BX	1531070000	I.49
BL 3.50/09/270 SN OR BX	1639540000	I.51
BL 3.50/09/270F SN OR BX	1640000000	I.51
BL 3.50/09/90 SN OR BX	1638620000	I.50
BL 3.50/09/90F SN OR BX	1639080000	I.51
BL 3.50/10/180 SN OR BX	1597440000	I.48
BL 3.50/10/180F SN OR BX	1606720000	I.49
BL 3.50/10/180LR SN OR BX	1531080000	I.49
BL 3.50/10/270 SN OR BX	1639550000	I.51
BL 3.50/10/270F SN OR BX	1640010000	I.51
BL 3.50/10/90 SN OR BX	1638630000	I.50
BL 3.50/10/90F SN OR BX	1639090000	I.51
BL 3.50/11/180 SN OR BX	1597450000	I.48
BL 3.50/11/180F SN OR BX	1606730000	I.49
BL 3.50/11/180LR SN OR BX	1531090000	I.49
BL 3.50/11/270 SN OR BX	1639560000	I.51
BL 3.50/11/270F SN OR BX	1640020000	I.51
BL 3.50/11/90 SN OR BX	1638640000	I.50
BL 3.50/11/90F SN OR BX	1639100000	I.51
BL 3.50/12/180 SN OR BX	1597460000	I.48
BL 3.50/12/180F SN OR BX	1606740000	I.49
BL 3.50/12/180LR SN OR BX	1531100000	I.49
BL 3.50/12/270 SN OR BX	1639570000	I.51
BL 3.50/12/270F SN OR BX	1640030000	I.51
BL 3.50/12/90 SN OR BX	1638650000	I.50
BL 3.50/12/90F SN OR BX	1639110000	I.51
BL SL 3.5 KO OR	1693430000	I.30
BL SL 3.5 KO OR	1693430000	I.32
BL SL 3.5 KO OR	1693430000	I.34
BL SL 3.5 KO OR	1693430000	I.36
BL SL 3.5 KO OR	1693430000	I.38
BL SL 3.5 KO OR	1693430000	I.40
BL SL 3.5 KO OR	1693430000	I.41
BL SL 3.5 KO OR	1693430000	I.42
BL SL 3.5 KO OR	1693430000	I.44
BL SL 3.5 KO OR	1693430000	I.46
BL SL 3.5 KO OR	1693430000	I.48
BL SL 3.5 KO OR	1693430000	I.50
BL SL 3.5 KO OR	1693430000	I.54
BL SL 3.5 KO OR	1693430000	I.56
BL SL 3.5 KO OR	1693430000	I.58
BL SL 3.5 KO OR	1693430000	I.60
BL SL 3.5 KO OR	1693430000	I.62
BL SL 3.5 KO OR	1693430000	M.10
BL SL 3.5 KO SW	1610100000	I.30
BL SL 3.5 KO SW	1610100000	I.32
BL SL 3.5 KO SW	1610100000	I.34
BL SL 3.5 KO SW	1610100000	I.36
BL SL 3.5 KO SW	1610100000	I.38
BL SL 3.5 KO SW	1610100000	I.40
BL SL 3.5 KO SW	1610100000	I.41
BL SL 3.5 KO SW	1610100000	I.42
BL SL 3.5 KO SW	1610100000	I.44
BL SL 3.5 KO SW	1610100000	I.46
BL SL 3.5 KO SW	1610100000	I.48
BL SL 3.5 KO SW	1610100000	I.50
BL SL 3.5 KO SW	1610100000	I.54
BL SL 3.5 KO SW	1610100000	I.56
BL SL 3.5 KO SW	1610100000	I.58
BL SL 3.5 KO SW	1610100000	I.60
BL SL 3.5 KO SW	1610100000	I.62

Type	Order No.	Page
BL SL 3.5 KO SW	1610100000	M.10
BLI/O 3.50/10/180LR NPN LED SN BK BX	1531200000	I.59
BLI/O 3.50/10/180LR PNP LED SN BK BX	1531190000	I.57
BLI/O 3.50/10/180LR SN BK BX	1531180000	I.55
BLI/O 3.50/10F CJC AU BK BX	2471390000	I.60
BLI/O 3.50/10F NPN LED SN BK BX	1938010000	I.58
BLI/O 3.50/10F PNP LED SN BK BX	1789090000	I.56
BLI/O 3.50/10F PNP LED SN LTGY BX	1965940000	I.56
BLI/O 3.50/10F SN BK BX	1779880000	I.54
BLI/O 3.50/10F SN LTGY BX	1871690000	I.54
BLI/O 3.50/30F NPN LED SN BK BX	1938020000	I.59
BLI/O 3.50/30F PNP LED SN BK BX	1789110000	I.57
BLI/O 3.50/30F PNP LED SN LTGY BX	1965970000	I.57
BLI/O 3.50/30F SN BK BX	1779920000	I.55
BLI/O 3.50/30LR NPN LED SN BK BX	1000590000	I.59
BLI/O 3.50/30LR PNP LED SN BK BX	1000570000	I.57
BLI/O 3.50/30LR SN BK BX	1000550000	I.55
BL/SL 3.50 VR BK BX	1669300000	I.30
BL/SL 3.50 VR BK BX	1669300000	I.32
BL/SL 3.50 VR BK BX	1669300000	I.34
BL/SL 3.50 VR BK BX	1669300000	I.36
BL/SL 3.50 VR BK BX	1669300000	I.38
BL/SL 3.50 VR BK BX	1669300000	I.40
BL/SL 3.50 VR BK BX	1669300000	I.41
BL/SL 3.50 VR BK BX	1669300000	I.48
BL/SL 3.50 VR BK BX	1669300000	M.5
BL/SL 3.50 VR OR BX	1669310000	I.30
BL/SL 3.50 VR OR BX	1669310000	I.32
BL/SL 3.50 VR OR BX	1669310000	I.34
BL/SL 3.50 VR OR BX	1669310000	I.36
BL/SL 3.50 VR OR BX	1669310000	I.38
BL/SL 3.50 VR OR BX	1669310000	I.40
BL/SL 3.50 VR OR BX	1669310000	I.41
BL/SL 3.50 VR OR BX	1669310000	I.48
BL/SL 3.50 VR OR BX	1669310000	M.5
BLAT ZE04 OR BX	1577980000	K.104
BLAT ZE04 OR BX	1577980000	M.2
BLAT ZE08 OR BX	1578010000	K.104
BLAT ZE08 OR BX	1578010000	M.2
BLC 5.08/02/180BR OR BX	1649370000	K.117
BLC 5.08/02/180R OR BX	1610490000	K.116
BLC 5.08/03/180BR OR BX	1649380000	K.117
BLC 5.08/03/180R OR BX	1610500000	K.116
BLC 5.08/04/180BR OR BX	1649390000	K.117
BLC 5.08/04/180R OR BX	1610510000	K.116
BLC 5.08/05/180BR OR BX	1649400000	K.117
BLC 5.08/05/180R OR BX	1610520000	K.116
BLC 5.08/06/180BR OR BX	1649410000	K.117
BLC 5.08/06/180R OR BX	1610530000	K.116
BLC 5.08/07/180BR OR BX	1649420000	K.117
BLC 5.08/07/180R OR BX	1610540000	K.116
BLC 5.08/08/180BR OR BX	1649430000	K.117
BLC 5.08/08/180R OR BX	1610550000	K.116
BLC 5.08/09/180BR OR BX	1649440000	K.117
BLC 5.08/09/180R OR BX	1610560000	K.116
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BLC 5.08/10/180R OR BX	1610570000	K.116
BLC 5.08/11/180BR OR BX	1649460000	K.117
BLC 5.08/11/180R OR BX	1610580000	K.116
BLC 5.08/12/180BR OR BX	1649470000	K.117
BLC 5.08/12/180R OR BX	1610590000	K.116
BLDF 5.08/02/180 SN OR BX	1001150000	K.114
BLDF 5.08/02/180F SN OR BX	1001220000	K.115
BLDF 5.08/02/180LR SN OR BX	1065130000	K.115
BLDF 5.08/03/180 SN OR BX	1001160000	K.114
BLDF 5.08/03/180F SN OR BX	1012060000	K.115
BLDF 5.08/03/180LR SN OR BX	1065140000	K.115
BLDF 5.08/04/180 SN OR BX	1001170000	K.114
BLDF 5.08/04/180F SN OR BX	1059420000	K.115
BLDF 5.08/04/180LR SN OR BX	1065150000	K.115
BLDF 5.08/05/180 SN OR BX	1001180000	K.114
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BLDF 5.08/06/180LR SN OR BX	1065170000	K.115
BLDF 5.08/07/180 SN OR BX	1001200000	K.114
BLDF 5.08/07/180F SN OR BX	1065110000	K.115
BLDF 5.08/07/180LR SN OR BX	1065180000	K.115
BLDF 5.08/08/180 SN OR BX	1001210000	K.114
BLDF 5.08/08/180F SN OR BX	1065120000	K.115
BLDF 5.08/08/180LR SN OR BX	1065190000	K.115
BLF 2.50/02/180 SN BK BX	2438860000	H.8
BLF 2.50/03/180 SN BK BX	2439650000	H.8
BLF 2.50/04/180 SN BK BX	2439670000	H.8
BLF 2.50/05/180 SN BK BX	2439680000	H.8
BLF 2.50/06/180 SN BK BX	2439690000	H.8
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BLF 2.50/08/180 SN BK BX	2439710000	H.8
BLF 2.50/09/180 SN BK BX	2439720000	H.8
BLF 2.50/10/180 SN BK BX	2439730000	H.8
BLF 2.50/11/180 SN BK BX	2439740000	H.8
BLF 2.50/12/180 SN BK BX	2439750000	H.8
BLF 3.50/02/180 SN OR BX	2458950000	I.52
BLF 3.50/02/180F SN OR BX	2459390000	I.53
BLF 3.50/02/180LR SN OR BX	2459680000	I.53
BLF 3.50/02/180QV SN OR BX	2460150000	I.53
BLF 3.50/03/180 SN OR BX	2459060000	I.52
BLF 3.50/03/180F SN OR BX	2459400000	I.53

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BLF 3.50/03/180LR SN OR BX	2459690000	I.53
BLF 3.50/04/180 SN OR BX	2459070000	I.52
BLF 3.50/04/180F SN OR BX	2459410000	I.53
BLF 3.50/04/180LR SN OR BX	2459700000	I.53
BLF 3.50/04/180QV SN OR BX	2460240000	I.53
BLF 3.50/05/180 SN OR BX	2459080000	I.52
BLF 3.50/05/180F SN OR BX	2459420000	I.53
BLF 3.50/05/180LR SN OR BX	2459710000	I.53
BLF 3.50/06/180 SN OR BX	2459090000	I.52
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BLF 3.50/07/180 SN OR BX	2459100000	I.52
BLF 3.50/07/180F SN OR BX	2459440000	I.53
BLF 3.50/07/180LR SN OR BX	2459730000	I.53
BLF 3.50/08/180 SN OR BX	2459110000	I.52
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BLF 3.50/08/180LR SN OR BX	2459740000	I.53
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BLF 3.50/09/180LR SN OR BX	2459750000	I.53
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BLF 3.50/10/180LR SN OR BX	2459760000	I.53
BLF 3.50/11/180 SN OR BX	2459140000	I.52
BLF 3.50/11/180F SN OR BX	2459480000	I.53
BLF 3.50/11/180LR SN OR BX	2459770000	I.53
BLF 3.50/12/180 SN OR BX	2459150000	I.52
BLF 3.50/12/180F SN OR BX	2459490000	I.53
BLF 3.50/12/180LR SN OR BX	2459780000	I.53
BLF 3.50/16/180 SN OR BX	2459190000	I.52
BLF 3.50/17/180 SN OR BX	2459200000	I.52
BLF 3.50/18/180 SN OR BX	2459210000	I.52
BLF 3.50/19/180 SN OR BX	2459220000	I.52
BLF 3.50/20/180 SN OR BX	2459230000	I.52
BLF 3.50/21/180 SN OR BX	2459240000	I.52
BLF 3.50/22/180 SN OR BX	2459250000	I.52
BLF 3.50/23/180 SN OR BX	2459260000	I.52
BLF 3.50/24/180 SN OR BX	2459270000	I.52
BLF 5.00HC/02/180 SN OR BX	1017860000	K.46
BLF 5.00HC/02/180F SN OR BX	1017420000	K.47
BLF 5.00HC/02/180LR SN OR BX	1016340000	K.47
BLF 5.00HC/02/90 SN OR BX	1980170000	K.48
BLF 5.00HC/02/90F SN OR BX	1980640000	K.49
BLF 5.00HC/02/90LR SN OR BX	1980870000	K.49
BLF 5.00HC/03/180 SN OR BX	1017870000	K.46
BLF 5.00HC/03/180F SN OR BX	1017430000	K.47
BLF 5.00HC/03/180LR SN OR BX	1016350000	K.47
BLF 5.00HC/03/90 SN OR BX	1980180000	K.48
BLF 5.00HC/03/90F SN OR BX	1980650000	K.49
BLF 5.00HC/03/90LR SN OR BX	1980880000	K.49
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BLF 5.00HC/04/180LR SN OR BX	1016360000	K.47
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BLF 5.00HC/05/180 SN OR BX	1017890000	K.46
BLF 5.00HC/05/180F SN OR BX	1017450000	K.47
BLF 5.00HC/05/180LR SN OR BX	1016370000	K.47
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BLF 5.00HC/05/90F SN OR BX	1980670000	K.49
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BLF 5.00HC/06/180LR SN OR BX	1016380000	K.47
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BLF 5.00HC/07/180LR SN OR BX	1016390000	K.47
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BLF 5.00HC/08/180LR SN OR BX	1016410000	K.47
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BLF 5.00HC/10/180F SN OR BX	1017520000	K.47
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BLF 5.00HC/11/180 SN OR BX	1017970000	K.46
BLF 5.00HC/11/180F SN OR BX	1017530000	K.47
BLF 5.00HC/11/180LR SN OR BX	1016440000	K.47
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BLF 5.00HC/11/90F SN OR BX	1980730000	K.49
BLF 5.00HC/11/90LR SN OR BX	1980960000	K.49
BLF 5.00HC/12/180 SN OR BX	1017980000	K.46

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BLF 5.00HC/12/180LR SN OR BX	1016450000	K.47
BLF 5.00HC/12/90 SN OR BX	1980270000	K.48
BLF 5.00HC/12/90F SN OR BX	1980740000	K.49
BLF 5.00HC/12/90LR SN OR BX	1980970000	K.49
BLF 5.08HC/02/180 SN OR BX	1013680000	K.108
BLF 5.08HC/02/180DF SN OR BX	1353240000	K.88
BLF 5.08HC/02/180F SN OR BX	1013070000	K.109
BLF 5.08HC/02/180LR SN OR BX	1014370000	K.109
BLF 5.08HC/02/270 SN OR BX	1982700000	K.112
BLF 5.08HC/02/270F SN OR BX	1982890000	K.113
BLF 5.08HC/02/270LR SN OR BX	1983080000	K.113
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BLF 5.08HC/02/90F SN OR BX	1002090000	K.111
BLF 5.08HC/02/90LR SN OR BX	1002280000	K.111
BLF 5.08HC/03/180 SN OR BX	1013690000	K.108
BLF 5.08HC/03/180DF SN OR BX	1353250000	K.88
BLF 5.08HC/03/180F SN OR BX	1013090000	K.109
BLF 5.08HC/03/180LR SN OR BX	1014380000	K.109
BLF 5.08HC/03/270 SN OR BX	1982710000	K.112
BLF 5.08HC/03/270F SN OR BX	1982900000	K.113
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BLF 5.08HC/04/180F SN OR BX	1013110000	K.109
BLF 5.08HC/04/180LR SN OR BX	1014390000	K.109
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BLF 5.08HC/04/270LR SN OR BX	1983100000	K.113
BLF 5.08HC/04/90 SN OR BX	1001550000	K.110
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BLF 5.08HC/05/180DF SN OR BX	1353280000	K.88
BLF 5.08HC/05/180F SN OR BX	1013120000	K.109
BLF 5.08HC/05/180LR SN OR BX	1014410000	K.109
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BLF 5.08HC/05/90F SN OR BX	1002120000	K.111
BLF 5.08HC/05/90LR SN OR BX	1002310000	K.111
BLF 5.08HC/06/180 SN OR BX	1013730000	K.108
BLF 5.08HC/06/180DF SN OR BX	1353340000	K.88
BLF 5.08HC/06/180F SN OR BX	1013130000	K.109
BLF 5.08HC/06/180LR SN OR BX	1014420000	K.109
BLF 5.08HC/06/270 SN OR BX	1982740000	K.112
BLF 5.08HC/06/270F SN OR BX	1982930000	K.113
BLF 5.08HC/06/270LR SN OR BX	1983120000	K.113
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BLF 5.08HC/06/90LR SN OR BX	1002320000	K.111
BLF 5.08HC/07/180 SN OR BX	1013740000	K.108
BLF 5.08HC/07/180DF SN OR BX	1353290000	K.88
BLF 5.08HC/07/180F SN OR BX	1013140000	K.109
BLF 5.08HC/07/180LR SN OR BX	1014430000	K.109
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BLF 5.08HC/08/180DF SN OR BX	1353300000	K.88
BLF 5.08HC/08/180F SN OR BX	1013150000	K.109
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BLF 5.08HC/08/270F SN OR BX	1982950000	K.113
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BLF 5.08HC/08/90LR SN OR BX	1002340000	K.111
BLF 5.08HC/09/180 SN OR BX	1013760000	K.108
BLF 5.08HC/09/180DF SN OR BX	1353320000	K.88
BLF 5.08HC/09/180F SN OR BX	1013160000	K.109
BLF 5.08HC/09/180LR SN OR BX	1014450000	K.109
BLF 5.08HC/09/270 SN OR BX	1982770000	K.112
BLF 5.08HC/09/270F SN OR BX	1982960000	K.113
BLF 5.08HC/09/270LR SN OR BX	1983150000	K.113
BLF 5.08HC/09/90 SN OR BX	1001600000	K.110
BLF 5.08HC/09/90F SN OR BX	1002160000	K.111
BLF 5.08HC/09/90LR SN OR BX	1002350000	K.111
BLF 5.08HC/10/180 SN OR BX	1013770000	K.108
BLF 5.08HC/10/180DF SN OR BX	1353330000	K.88
BLF 5.08HC/10/180F SN OR BX	1013170000	K.109
BLF 5.08HC/10/180LR SN OR BX	1014460000	K.109
BLF 5.08HC/10/270 SN OR BX	1982780000	K.112
BLF 5.08HC/10/270F SN OR BX	1982970000	K.113
BLF 5.08HC/10/270LR SN OR BX	1983160000	K.113
BLF 5.08HC/10/90 SN OR BX	1001610000	K.110
BLF 5.08HC/10/90F SN OR BX	1002170000	K.111
BLF 5.08HC/10/90LR SN OR BX	1002360000	K.111
BLF 5.08HC/11/180 SN OR BX	1013780000	K.108
BLF 5.08HC/11/180F SN OR BX	1013180000	K.109
BLF 5.08HC/11/180LR SN OR BX	1014470000	K.109
BLF 5.08HC/11/270 SN OR BX	1982790000	K.112

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BLF 5.08HC/11/270F SN OR BX	1982980000	K.113
BLF 5.08HC/11/270LR SN OR BX	1983170000	K.113
BLF 5.08HC/11/90 SN OR BX	1001620000	K.110
BLF 5.08HC/11/90F SN OR BX	1002180000	K.111
BLF 5.08HC/11/90LR SN OR BX	1002370000	K.111
BLF 5.08HC/12/180 SN OR BX	1013790000	K.108
BLF 5.08HC/12/180F SN OR BX	1013190000	K.109
BLF 5.08HC/12/180LR SN OR BX	1014480000	K.109
BLF 5.08HC/12/270 SN OR BX	1982800000	K.112
BLF 5.08HC/12/270F SN OR BX	1982990000	K.113
BLF 5.08HC/12/270LR SN OR BX	1983180000	K.113
BLF 5.08HC/12/90 SN OR BX	1001630000	K.110
BLF 5.08HC/12/90F SN OR BX	1002190000	K.111
BLF 5.08HC/12/90LR SN OR BX	1002380000	K.111
BLF 7.62HP/02/180 SN BK BX	1043830000	O.112
BLF 7.62HP/02/180F SN BK BX	1043910000	O.113
BLF 7.62HP/02/180LR SN BK BX	1043990000	O.113
BLF 7.62HP/03/180 SN BK BX	1043840000	O.112
BLF 7.62HP/03/180F SN BK BX	1043920000	O.113
BLF 7.62HP/03/180LR SN BK BX	1044000000	O.113
BLF 7.62HP/04/180 SN BK BX	1043850000	O.112
BLF 7.62HP/04/180F SN BK BX	1043930000	O.113
BLF 7.62HP/04/180LR SN BK BX	1044010000	O.113
BLF 7.62HP/05/180 SN BK BX	1043860000	O.112
BLF 7.62HP/05/180F SN BK BX	1043940000	O.113
BLF 7.62HP/05/180LR SN BK BX	1044020000	O.113
BLF 7.62HP/06/180 SN BK BX	1227340000	O.112
BLF 7.62HP/06/180F SN BK BX	1227490000	O.113
BLF 7.62HP/06/180LR SN BK BX	1227420000	O.113
BLL 3.50/02/180 3.2SN OR TU	1376310000	I.62
BLL 3.50/03/180 3.2SN OR TU	1376320000	I.62
BLL 3.50/04/180 3.2SN OR TU	1376330000	I.62
BLL 3.50/05/180 3.2SN OR TU	1376340000	I.62
BLL 3.50/06/180 3.2SN OR TU	1376430000	I.62
BLL 3.50/07/180 3.2SN OR TU	1376350000	I.62
BLL 3.50/08/180 3.2SN OR TU	1376440000	I.62
BLL 3.50/09/180 3.2SN OR TU	1376450000	I.62
BLL 3.50/10/180 3.2SN OR TU	1376470000	I.62
BLL 3.50/11/180 3.2SN OR TU	1376370000	I.62
BLL 3.50/12/180 3.2SN OR TU	1376480000	I.62
BLL 5.08/02/180 3.2 SN OR BX	1630710000	K.120
BLL 5.08/02/180B 3.2SN OR BX	1682730000	K.121
BLL 5.08/02/90 3.2 SN OR BX	1622940000	K.118
BLL 5.08/02/90FI 3.2SN OR BX	1843750000	K.119
BLL 5.08/03/180 3.2 SN OR BX	1630720000	K.120
BLL 5.08/03/180B 3.2SN OR BX	1682740000	K.121
BLL 5.08/03/90 3.2 SN OR BX	1622950000	K.118
BLL 5.08/03/90FI 3.2SN OR BX	1843760000	K.119
BLL 5.08/04/180 3.2 SN OR BX	1630730000	K.120
BLL 5.08/04/180B 3.2SN OR BX	1682750000	K.121
BLL 5.08/04/90 3.2 SN OR BX	1622960000	K.118
BLL 5.08/04/90FI 3.2SN OR BX	1843770000	K.119
BLL 5.08/05/180 3.2 SN OR BX	1630740000	K.120
BLL 5.08/05/180B 3.2SN OR BX	1682760000	K.121
BLL 5.08/05/90 3.2 SN OR BX	1622970000	K.118
BLL 5.08/05/90FI 3.2SN OR BX	1843780000	K.119
BLL 5.08/06/180 3.2 SN OR BX	1630750000	K.120
BLL 5.08/06/180B 3.2SN OR BX	1682770000	K.121
BLL 5.08/06/90 3.2 SN OR BX	1622980000	K.118
BLL 5.08/06/90FI 3.2SN OR BX	1843790000	K.119
BLL 5.08/07/180 3.2 SN OR BX	1630760000	K.120
BLL 5.08/07/180B 3.2SN OR BX	1682780000	K.121
BLL 5.08/07/90 3.2 SN OR BX	1622990000	K.118
BLL 5.08/07/90FI 3.2SN OR BX	1843800000	K.119
BLL 5.08/08/180 3.2 SN OR BX	1630770000	K.120
BLL 5.08/08/180B 3.2SN OR BX	1682790000	K.121
BLL 5.08/08/90 3.2 SN OR BX	1623000000	K.118
BLL 5.08/08/90FI 3.2SN OR BX	1843810000	K.119
BLL 5.08/09/180 3.2 SN OR BX	1630780000	K.120
BLL 5.08/09/180B 3.2SN OR BX	1682800000	K.121
BLL 5.08/09/90 3.2 SN OR BX	1623010000	K.118
BLL 5.08/09/90FI 3.2SN OR BX	1843820000	K.119
BLL 5.08/10/180 3.2 SN OR BX	1630790000	K.120
BLL 5.08/10/180B 3.2SN OR BX	1682810000	K.121
BLL 5.08/10/90 3.2 SN OR BX	1623020000	K.118
BLL 5.08/10/90FI 3.2SN OR BX	1843830000	K.119
BLL 5.08/11/180 3.2 SN OR BX	1630800000	K.120
BLL 5.08/11/180B 3.2SN OR BX	1682820000	K.121
BLL 5.08/11/90 3.2 SN OR BX	1623030000	K.118
BLL 5.08/11/90FI 3.2SN OR BX	1843840000	K.119
BLL 5.08/12/180 3.2 SN OR BX	1630810000	K.120
BLL 5.08/12/180B 3.2SN OR BX	1682830000	K.121
BLL 5.08/12/90 3.2 SN OR BX	1623040000	K.118
BLL 5.08/12/90FI 3.2SN OR BX	1843850000	K.119
BLT 5.08HC/02/180 SN OR BX	1499560000	K.104
BLT 5.08HC/02/180DF SN OR BX	1353130000	K.86
BLT 5.08HC/02/180F SN OR BX	1843990000	K.105
BLT 5.08HC/02/180LR SN OR BX	1890220000	K.105
BLT 5.08HC/03/180 SN OR BX	1499660000	K.104
BLT 5.08HC/03/180DF SN OR BX	1353140000	K.86
BLT 5.08HC/03/180F SN OR BX	1844000000	K.105
BLT 5.08HC/03/180LR SN OR BX	1890230000	K.105
BLT 5.08HC/04/180 SN OR BX	1499760000	K.104
BLT 5.08HC/04/180DF SN OR BX	1353150000	K.86
BLT 5.08HC/04/180F SN OR BX	1844010000	K.105
BLT 5.08HC/04/180LR SN OR BX	1890240000	K.105
BLT 5.08HC/05/180 SN OR BX	1499860000	K.104
BLT 5.08HC/05/180DF SN OR BX	1353170000	K.86
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BLT 5.08HC/06/180 SN OR BX	1499960000	K.104
BLT 5.08HC/06/180DF SN OR BX	1353180000	K.86
BLT 5.08HC/06/180F SN OR BX	1844030000	K.105
BLT 5.08HC/06/180LR SN OR BX	1890260000	K.105
BLT 5.08HC/07/180 SN OR BX	1500060000	K.104
BLT 5.08HC/07/180DF SN OR BX	1353190000	K.86
BLT 5.08HC/07/180F SN OR BX	1844040000	K.105
BLT 5.08HC/07/180LR SN OR BX	1890270000	K.105
BLT 5.08HC/08/180 SN OR BX	1500160000	K.104
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BLT 5.08HC/09/180DF SN OR BX	1353220000	K.86
BLT 5.08HC/09/180F SN OR BX	1844060000	K.105
BLT 5.08HC/09/180LR SN OR BX	1890290000	K.105
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BLT 5.08HC/10/180DF SN OR BX	1353230000	K.86
BLT 5.08HC/10/180F SN OR BX	1844070000	K.105
BLT 5.08HC/10/180LR SN OR BX	1890300000	K.105
BLT 5.08HC/11/180 SN OR BX	1500460000	K.104
BLT 5.08HC/11/180F SN OR BX	1844080000	K.105
BLT 5.08HC/11/180LR SN OR BX	1890310000	K.105
BLT 5.08HC/12/180 SN OR BX	1500560000	K.104
BLT 5.08HC/12/180F SN OR BX	1844090000	K.105
BLT 5.08HC/12/180LR SN OR BX	1890320000	K.105
BLZ 5.00 ZE04 OR BX	1652100000	K.40
BLZ 5.00 ZE04 OR BX	1652100000	M.2
BLZ 5.00 ZE08 BK BX	1652060000	K.40
BLZ 5.00 ZE08 BK BX	1652060000	M.2
BLZ 5.00 ZE08 OR BX	1652040000	K.40
BLZ 5.00 ZE08 OR BX	1652040000	M.2
BLZ 5.08 ZE04 BK BX	1652130000	K.82
BLZ 5.08 ZE04 BK BX	1652130000	K.90
BLZ 5.08 ZE04 BK BX	1652130000	K.96
BLZ 5.08 ZE04 BK BX	1652130000	K.106
BLZ 5.08 ZE04 BK BX	1652130000	M.2
BLZ 5.08 ZE04 OR BX	1652110000	K.82
BLZ 5.08 ZE04 OR BX	1652110000	K.90
BLZ 5.08 ZE04 OR BX	1652110000	K.96
BLZ 5.08 ZE04 OR BX	1652110000	K.106
BLZ 5.08 ZE04 OR BX	1652110000	M.2
BLZ 5.08 ZE08 BK BX	1652070000	K.82
BLZ 5.08 ZE08 BK BX	1652070000	K.90
BLZ 5.08 ZE08 BK BX	1652070000	K.96
BLZ 5.08 ZE08 BK BX	1652070000	K.106
BLZ 5.08 ZE08 BK BX	1652070000	M.2
BLZ 5.08 ZE08 OR BX	1652050000	K.82
BLZ 5.08 ZE08 OR BX	1652050000	K.90
BLZ 5.08 ZE08 OR BX	1652050000	K.96
BLZ 5.08 ZE08 OR BX	1652050000	K.106
BLZ 5.08 ZE08 OR BX	1652050000	M.2
BLZ 7.62HP/02/180 SN BK BX	1059580000	O.110
BLZ 7.62HP/02/180LR SN BK BX	1093430000	O.111
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BLZ 7.62HP/04/180 SN BK BX	1059600000	O.110
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BLZ 7.62HP/05/180 SN BK BX	1049010000	O.110
BLZ 7.62HP/05/180LR SN BK BX	1093460000	O.111
BLZ 7.62HP/06/180 SN BK BX	1049020000	O.110
BLZ 7.62HP/06/180LR SN BK BX	1164960000	O.111
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BLZ 7.62IT/03/180MF2 SN BK BX	1173500000	O.62
BLZ 7.62IT/03/180MF3 SN BK BX	1173510000	O.63
BLZ 7.62IT/04/180MF2 SN BK BX	1173520000	O.62
BLZ 7.62IT/04/180MF3 SN BK BX	2629750000	O.63
BLZ 7.62IT/04/180MF4 SN BK BX	1173530000	O.63
BLZ 7.62IT/05/180MF2 SN BK BX	2629690000	O.62
BLZ 7.62IT/05/180MF3 SN BK BX	1398880000	O.63
BLZ 7.62IT/05/180MF4 SN BK BX	1398890000	O.63
BLZ 7.62IT/06/180MF2 SN BK BX	2629740000	O.62
BLZ 7.62IT/06/180MF3 SN BK BX	1398900000	O.63
BLZ 7.62IT/06/180MF4 SN BK BX	1398910000	O.63
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BLZ/SL KO BK BX	1545710000	K.62
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BLZ/SL KO BK BX	1545710000	K.80
BLZ/SL KO BK BX	1545710000	K.82
BLZ/SL KO BK BX	1545710000	K.84
BLZ/SL KO BK BX	1545710000	K.86
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BLZ/SL KO BK BX	1545710000	K.94
BLZ/SL KO BK BX	1545710000	K.96
BLZ/SL KO BK BX	1545710000	K.98
BLZ/SL KO BK BX	1545710000	K.100
BLZ/SL KO BK BX	1545710000	K.102
BLZ/SL KO BK BX	1545710000	K.104
BLZ/SL KO BK BX	1545710000	K.106
BLZ/SL KO BK BX	1545710000	K.108
BLZ/SL KO BK BX	1545710000	K.110
BLZ/SL KO BK BX	1545710000	K.112
BLZ/SL KO BK BX	1545710000	K.114
BLZ/SL KO BK BX	1545710000	K.116
BLZ/SL KO BK BX	1545710000	K.118
BLZ/SL KO BK BX	1545710000	K.120
BLZ/SL KO BK BX	1545710000	M.11
BLZ/SL KO BK BX	1545710000	O.60
BLZ/SL KO BK BX	1545710000	O.62
BLZ/SL KO BK BX	1545710000	O.102
BLZ/SL KO BK BX	1545710000	O.104
BLZ/SL KO BK BX	1545710000	O.106
BLZ/SL KO BK BX	1545710000	O.108
BLZ/SL KO BK BX	1545710000	O.110
BLZ/SL KO OR BX	1573010000	K.22
BLZ/SL KO OR BX	1573010000	K.24
BLZ/SL KO OR BX	1573010000	K.26
BLZ/SL KO OR BX	1573010000	K.28
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BLZ/SL KO OR BX	1573010000	K.58
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BLZ/SL KO OR BX	1573010000	K.62
BLZ/SL KO OR BX	1573010000	K.64
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BLZ/SL KO OR BX	1573010000	K.96
BLZ/SL KO OR BX	1573010000	K.98
BLZ/SL KO OR BX	1573010000	K.100
BLZ/SL KO OR BX	1573010000	K.102
BLZ/SL KO OR BX	1573010000	K.104
BLZ/SL KO OR BX	1573010000	K.106
BLZ/SL KO OR BX	1573010000	K.108
BLZ/SL KO OR BX	1573010000	K.110
BLZ/SL KO OR BX	1573010000	K.112
BLZ/SL KO OR BX	1573010000	K.114
BLZ/SL KO OR BX	1573010000	K.116
BLZ/SL KO OR BX	1573010000	K.118
BLZ/SL KO OR BX	1573010000	K.120
BLZ/SL KO OR BX	1573010000	M.11
BLZ/SL KO OR BX	1573010000	O.60
BLZ/SL KO OR BX	1573010000	O.62
BLZ/SL KO OR BX	1573010000	O.102
BLZ/SL KO OR BX	1573010000	O.104
BLZ/SL KO OR BX	1573010000	O.106
BLZ/SL KO OR BX	1573010000	O.108
BLZ/SL KO OR BX	1573010000	O.110
BLZP 5.00HC/02/180 SN OR BX	1954490000	K.40
BLZP 5.00HC/02/180F SN OR BX	1955800000	K.41
BLZP 5.00HC/02/180LR SN OR BX	1956370000	K.41
BLZP 5.00HC/02/270 SN OR BX	1958870000	K.44
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BLZP 5.00HC/02/90 SN OR BX	1958300000	K.42
BLZP 5.00HC/02/90F SN OR BX	1959520000	K.43
BLZP 5.00HC/03/180 SN OR BX	1954480000	K.40
BLZP 5.00HC/03/180F SN OR BX	1955790000	K.41
BLZP 5.00HC/03/180LR SN OR BX	1956360000	K.41
BLZP 5.00HC/03/270 SN OR BX	1958860000	K.44
BLZP 5.00HC/03/270F SN OR BX	1960450000	K.45
BLZP 5.00HC/03/270LR SN OR BX	1960950000	K.45
BLZP 5.00HC/03/90 SN OR BX	1958290000	K.42
BLZP 5.00HC/03/90F SN OR BX	1959510000	K.43
BLZP 5.00HC/04/180 SN OR BX	1954470000	K.40
BLZP 5.00HC/04/180F SN OR BX	1955780000	K.41
BLZP 5.00HC/04/180LR SN OR BX	1956350000	K.41
BLZP 5.00HC/04/270 SN OR BX	1958850000	K.44
BLZP 5.00HC/04/270F SN OR BX	1960440000	K.45
BLZP 5.00HC/04/270LR SN OR BX	1960940000	K.45
BLZP 5.00HC/04/90 SN OR BX	1958280000	K.42
BLZP 5.00HC/04/90F SN OR BX	1959500000	K.43
BLZP 5.00HC/05/180 SN OR BX	1954460000	K.40
BLZP 5.00HC/05/180F SN OR BX	1955770000	K.41
BLZP 5.00HC/05/180LR SN OR BX	1956340000	K.41
BLZP 5.00HC/05/270 SN OR BX	1958840000	K.44
BLZP 5.00HC/05/270F SN OR BX	1960430000	K.45
BLZP 5.00HC/05/270LR SN OR BX	1960930000	K.45
BLZP 5.00HC/05/90 SN OR BX	1958270000	K.42
BLZP 5.00HC/05/90F SN OR BX	1959490000	K.43
BLZP 5.00HC/06/180 SN OR BX	1954450000	K.40
BLZP 5.00HC/06/180F SN OR BX	1955760000	K.41
BLZP 5.00HC/06/180LR SN OR BX	1956330000	K.41
BLZP 5.00HC/06/270 SN OR BX	1958830000	K.44
BLZP 5.00HC/06/270F SN OR BX	1960420000	K.45
BLZP 5.00HC/06/270LR SN OR BX	1960920000	K.45
BLZP 5.00HC/06/90 SN OR BX	1958260000	K.42
BLZP 5.00HC/06/90F SN OR BX	1959480000	K.43
BLZP 5.00HC/07/180 SN OR BX	1954440000	K.40
BLZP 5.00HC/07/180F SN OR BX	1955750000	K.41
BLZP 5.00HC/07/180LR SN OR BX	1956320000	K.41
BLZP 5.00HC/07/270 SN OR BX	1958820000	K.44
BLZP 5.00HC/07/270F SN OR BX	1960410000	K.45
BLZP 5.00HC/07/270LR SN OR BX	1960910000	K.45
BLZP 5.00HC/07/90 SN OR BX	1958250000	K.42
BLZP 5.00HC/07/90F SN OR BX	1959470000	K.43
BLZP 5.00HC/08/180 SN OR BX	1954430000	K.40
BLZP 5.00HC/08/180F SN OR BX	1955740000	K.41
BLZP 5.00HC/08/180LR SN OR BX	1956310000	K.41
BLZP 5.00HC/08/270 SN OR BX	1958810000	K.44
BLZP 5.00HC/08/270F SN OR BX	1960400000	K.45
BLZP 5.00HC/08/270LR SN OR BX	1960900000	K.45
BLZP 5.00HC/08/90 SN OR BX	1958230000	K.42
BLZP 5.00HC/08/90F SN OR BX	1959460000	K.43
BLZP 5.00HC/09/180 SN OR BX	1954420000	K.40
BLZP 5.00HC/09/180F SN OR BX	1955730000	K.41
BLZP 5.00HC/09/180LR SN OR BX	1956300000	K.41
BLZP 5.00HC/09/270 SN OR BX	1958800000	K.44
BLZP 5.00HC/09/270F SN OR BX	1960390000	K.45
BLZP 5.00HC/09/270LR SN OR BX	1960890000	K.45
BLZP 5.00HC/09/90 SN OR BX	1958190000	K.42
BLZP 5.00HC/09/90F SN OR BX	1959440000	K.43
BLZP 5.00HC/10/180 SN OR BX	1954410000	K.40
BLZP 5.00HC/10/180F SN OR BX	1955720000	K.41
BLZP 5.00HC/10/180LR SN OR BX	1956290000	K.41
BLZP 5.00HC/10/270 SN OR BX	1958790000	K.44
BLZP 5.00HC/10/270F SN OR BX	1960380000	K.45
BLZP 5.00HC/10/270LR SN OR BX	1960880000	K.45
BLZP 5.00HC/10/90 SN OR BX	1958160000	K.42
BLZP 5.00HC/10/90F SN OR BX	1959430000	K.43
BLZP 5.00HC/11/180 SN OR BX	1954400000	K.40
BLZP 5.00HC/11/180F SN OR BX	1955710000	K.41
BLZP 5.00HC/11/180LR SN OR BX	1956280000	K.41
BLZP 5.00HC/11/270 SN OR BX	1958780000	K.44
BLZP 5.00HC/11/270F SN OR BX	1960370000	K.45
BLZP 5.00HC/11/270LR SN OR BX	1960870000	K.45
BLZP 5.00HC/11/90 SN OR BX	1958130000	K.42
BLZP 5.00HC/11/90F SN OR BX	1959390000	K.43
BLZP 5.00HC/12/180 SN OR BX	1954390000	K.40
BLZP 5.00HC/12/180F SN OR BX	1955700000	K.41
BLZP 5.00HC/12/180LR SN OR BX	1956270000	K.41
BLZP 5.00HC/12/270 SN OR BX	1959150000	K.44
BLZP 5.00HC/12/270F SN OR BX	1959450000	K.45
BLZP 5.00HC/12/270LR SN OR BX	1960860000	K.45
BLZP 5.00HC/12/90 SN OR BX	1958120000	K.42
BLZP 5.00HC/12/90F SN OR BX	1959370000	K.43
BLZP 5.08/04/180FQV2 SN OR BX PRT	1846870000	K.107
BLZP 5.08/04/180QV2 SN OR BX PRT	1839770000	K.106
BLZP 5.08HC/02/180 SN OR BX	1943580000	K.96
BLZP 5.08HC/02/180F SN OR BX	1944090000	K.97
BLZP 5.08HC/02/180LR SN OR BX	1944830000	K.97
BLZP 5.08HC/02/225 SN OR BX	1946250000	K.102
BLZP 5.08HC/02/225B SN OR BX	1945750000	K.103
BLZP 5.08HC/02/270 SN OR BX	1948790000	K.100
BLZP 5.08HC/02/270F SN OR BX	1950310000	K.101
BLZP 5.08HC/02/270LR SN OR BX	1947530000	K.101
BLZP 5.08HC/02/90 SN OR BX	1948000000	K.98
BLZP 5.08HC/02/90F SN OR BX	1949800000	K.99
BLZP 5.08HC/02/90LR SN OR BX	1087250000	K.99
BLZP 5.08HC/03/180 SN OR BX	1943590000	K.96
BLZP 5.08HC/03/180F SN OR BX	1944100000	K.97
BLZP 5.08HC/03/180LR SN OR BX	1944840000	K.97

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BLZP 5.08HC/03/225B SN OR BX	1945760000	K.103
BLZP 5.08HC/03/270 SN OR BX	1948800000	K.100
BLZP 5.08HC/03/270F SN OR BX	1950320000	K.101
BLZP 5.08HC/03/270LR SN OR BX	1947540000	K.101
BLZP 5.08HC/03/90 SN OR BX	1948010000	K.98
BLZP 5.08HC/03/90F SN OR BX	1949810000	K.99
BLZP 5.08HC/03/90LR SN OR BX	1087260000	K.99
BLZP 5.08HC/04/180 SN OR BX	1943600000	K.96
BLZP 5.08HC/04/180F SN OR BX	1944110000	K.97
BLZP 5.08HC/04/180LR SN OR BX	1944850000	K.97
BLZP 5.08HC/04/225 SN OR BX	1946270000	K.102
BLZP 5.08HC/04/225B SN OR BX	1945770000	K.103
BLZP 5.08HC/04/270 SN OR BX	1948810000	K.100
BLZP 5.08HC/04/270F SN OR BX	1950330000	K.101
BLZP 5.08HC/04/270LR SN OR BX	1947550000	K.101
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BLZP 5.08HC/04/90F SN OR BX	1949820000	K.99
BLZP 5.08HC/04/90LR SN OR BX	1087270000	K.99
BLZP 5.08HC/05/180 SN OR BX	1943610000	K.96
BLZP 5.08HC/05/180F SN OR BX	1944120000	K.97
BLZP 5.08HC/05/180LR SN OR BX	1944860000	K.97
BLZP 5.08HC/05/225 SN OR BX	1946280000	K.102
BLZP 5.08HC/05/225B SN OR BX	1945780000	K.103
BLZP 5.08HC/05/270 SN OR BX	1948820000	K.100
BLZP 5.08HC/05/270F SN OR BX	1950340000	K.101
BLZP 5.08HC/05/270LR SN OR BX	1947560000	K.101
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BLZP 5.08HC/06/180LR SN OR BX	1944870000	K.97
BLZP 5.08HC/06/225 SN OR BX	1946290000	K.102
BLZP 5.08HC/06/225B SN OR BX	1945790000	K.103
BLZP 5.08HC/06/270 SN OR BX	1948830000	K.100
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BLZP 5.08HC/06/90LR SN OR BX	1087290000	K.99
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BLZP 5.08HC/07/225B SN OR BX	1945800000	K.103
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BLZP 5.08HC/07/270LR SN OR BX	1947580000	K.101
BLZP 5.08HC/07/90 SN OR BX	1948050000	K.98
BLZP 5.08HC/07/90F SN OR BX	1949850000	K.99
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BLZP 5.08HC/08/180F SN OR BX	1944150000	K.97
BLZP 5.08HC/08/180LR SN OR BX	1944890000	K.97
BLZP 5.08HC/08/225 SN OR BX	1946310000	K.102
BLZP 5.08HC/08/225B SN OR BX	1945810000	K.103
BLZP 5.08HC/08/270 SN OR BX	1948850000	K.100
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BLZP 5.08HC/08/270LR SN OR BX	1947590000	K.101
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BLZP 5.08HC/09/180LR SN OR BX	1944900000	K.97
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BLZP 5.08HC/10/180F SN OR BX	1944170000	K.97
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BLZP 5.08HC/10/225B SN OR BX	1945830000	K.103
BLZP 5.08HC/10/270 SN OR BX	1948870000	K.100
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BLZP 5.08HC/10/90F SN OR BX	1949880000	K.99
BLZP 5.08HC/10/90LR SN OR BX	1087330000	K.99
BLZP 5.08HC/11/180 SN OR BX	1943670000	K.96
BLZP 5.08HC/11/180F SN OR BX	1944180000	K.97
BLZP 5.08HC/11/180LR SN OR BX	1944920000	K.97
BLZP 5.08HC/11/225 SN OR BX	1946340000	K.102
BLZP 5.08HC/11/225B SN OR BX	1945840000	K.103
BLZP 5.08HC/11/270 SN OR BX	1948880000	K.100
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BLZP 5.08HC/11/270LR SN OR BX	1947620000	K.101
BLZP 5.08HC/11/90 SN OR BX	1948100000	K.98
BLZP 5.08HC/11/90F SN OR BX	1949890000	K.99
BLZP 5.08HC/11/90LR SN OR BX	1087340000	K.99
BLZP 5.08HC/12/180 SN OR BX	1943680000	K.96
BLZP 5.08HC/12/180F SN OR BX	1944190000	K.97
BLZP 5.08HC/12/180LR SN OR BX	1944930000	K.97

Type	Order No.	Page
BLZP 5.08HC/12/225 SN OR BX	1946350000	K.102
BLZP 5.08HC/12/225B SN OR BX	1945850000	K.103
BLZP 5.08HC/12/270 SN OR BX	1948890000	K.100
BLZP 5.08HC/12/270F SN OR BX	1950410000	K.101
BLZP 5.08HC/12/270LR SN OR BX	1947630000	K.101
BLZP 5.08HC/12/90 SN OR BX	1948110000	K.98
BLZP 5.08HC/12/90F SN OR BX	1949900000	K.99
BLZP 5.08HC/12/90LR SN OR BX	1087350000	K.99
BLZP APL 5.00HC/03/180F SN OR BX	2872550000	F.7
BUZ 10.16HP/02/180 AG BK BX	1924540000	0.202
BUZ 10.16HP/02/180F AG BK BX	1924620000	0.203
BUZ 10.16HP/02/180SF AG BK BX	1924700000	0.203
BUZ 10.16HP/03/180 AG BK BX	1924550000	0.202
BUZ 10.16HP/03/180F AG BK BX	1924630000	0.203
BUZ 10.16HP/03/180SF AG BK BX	1924710000	0.203
BUZ 10.16HP/04/180 AG BK BX	1924560000	0.202
BUZ 10.16HP/04/180F AG BK BX	1924640000	0.203
BUZ 10.16HP/04/180SF AG BK BX	1924720000	0.203
BUZ 10.16HP/05/180 AG BK BX	1924570000	0.202
BUZ 10.16HP/05/180F AG BK BX	1924650000	0.203
BUZ 10.16HP/05/180SF AG BK BX	1924740000	0.203
BUZ 10.16HP/06/180 AG BK BX	1924580000	0.202
BUZ 10.16HP/06/180F AG BK BX	1924660000	0.203
BUZ 10.16HP/06/180SF AG BK BX	1924750000	0.203
BUZ 10.16IT/02/180MF2 AG BK BX	1156600000	0.88
BUZ 10.16IT/03/180MF2 AG BK BX	1156610000	0.88
BUZ 10.16IT/03/180MF2SH160 AG BK BX	2627330000	0.76
BUZ 10.16IT/03/180MF2SH180 AG BK BX	2627380000	0.77
BUZ 10.16IT/03/180MF2SH200 AG BK BX	2627430000	0.77
BUZ 10.16IT/03/180MF3 AG BK BX	1156620000	0.89
BUZ 10.16IT/03/180MF3SH160 AG BK BX	2627350000	0.78
BUZ 10.16IT/03/180MF3SH180 AG BK BX	2627400000	0.79
BUZ 10.16IT/03/180MF3SH200 AG BK BX	2627450000	0.79
BUZ 10.16IT/03/180MSF2SH160 AG BK BX	2627480000	0.82
BUZ 10.16IT/03/180MSF2SH180 AG BK BX	2627530000	0.83
BUZ 10.16IT/03/180MSF2SH200 AG BK BX	2627580000	0.83
BUZ 10.16IT/03/180MSF3SH160 AG BK BX	2627500000	0.84
BUZ 10.16IT/03/180MSF3SH180 AG BK BX	2627550000	0.85
BUZ 10.16IT/03/180MSF3SH200 AG BK BX	2627600000	0.85
BUZ 10.16IT/04/180MF2 AG BK BX	1156630000	0.88
BUZ 10.16IT/04/180MF2SH160 AG BK BX	2627340000	0.76
BUZ 10.16IT/04/180MF2SH180 AG BK BX	2627390000	0.77
BUZ 10.16IT/04/180MF2SH200 AG BK BX	2627440000	0.77
BUZ 10.16IT/04/180MF3 AG BK BX	2000430000	0.89
BUZ 10.16IT/04/180MF3SH160 AG BK BX	2627360000	0.78
BUZ 10.16IT/04/180MF3SH180 AG BK BX	2627410000	0.79
BUZ 10.16IT/04/180MF3SH200 AG BK BX	2627460000	0.79
BUZ 10.16IT/04/180MF4 AG BK BX	1156640000	0.89
BUZ 10.16IT/04/180MF4SH160 AG BK BX	2627370000	0.80
BUZ 10.16IT/04/180MF4SH180 AG BK BX	2627420000	0.81
BUZ 10.16IT/04/180MF4SH200 AG BK BX	2627470000	0.81
BUZ 10.16IT/04/180MSF2SH160 AG BK BX	2627490000	0.82
BUZ 10.16IT/04/180MSF2SH180 AG BK BX	2627540000	0.83
BUZ 10.16IT/04/180MSF2SH200 AG BK BX	2627590000	0.83
BUZ 10.16IT/04/180MSF3SH160 AG BK BX	2627510000	0.84
BUZ 10.16IT/04/180MSF3SH180 AG BK BX	2627560000	0.85
BUZ 10.16IT/04/180MSF3SH200 AG BK BX	2627610000	0.85
BUZ 10.16IT/04/180MSF4SH160 AG BK BX	2627520000	0.86
BUZ 10.16IT/04/180MSF4SH180 AG BK BX	2627570000	0.87
BUZ 10.16IT/04/180MSF4SH200 AG BK BX	2627620000	0.87
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BV/SV 7.62HP KO	1937590000	0.26
BV/SV 7.62HP KO	1937590000	0.28
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BV/SV 7.62HP KO	1937590000	0.32
BV/SV 7.62HP KO	1937590000	0.34
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BV/SV 7.62HP KO	1937590000	0.40
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BV/SV 7.62HP KO	1937590000	0.130
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BV/SV 7.62HP KO	1937590000	0.148
BV/SV 7.62HP KO	1937590000	0.150
BV/SV 7.62HP KO	1937590000	0.152

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BV/SV 7.62HP KO	1937590000	0.156
BV/SV 7.62HP KO	1937590000	0.158
BV/SV 7.62HP KO	1937590000	0.160
BV/SV 7.62HP KO	1937590000	0.162
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BV/SV 7.62HP KO	1937590000	0.166
BV/SV 7.62HP KO	1937590000	0.168
BV/SV 7.62HP KO	1937590000	0.170
BV/SV 7.62HP KO	1937590000	0.172
BV/SV 7.62HP KO	1937590000	0.174
BV/SV 7.62HP KO	1937590000	0.176
BV/SV 7.62HP KO	1937590000	0.178
BV/SV 7.62HP KO	1937590000	0.180
BV/SV 7.62HP KO	1937590000	0.182
BV/SV 7.62HP KO	1937590000	R.4
BV/SV 7.62HP/02 ZE GR	1937550000	0.70
BV/SV 7.62HP/02 ZE GR	1937550000	0.160
BV/SV 7.62HP/02 ZE GR	1937550000	R.2
BV/SV 7.62HP/04 ZE GR	1937560000	0.70
BV/SV 7.62HP/04 ZE GR	1937560000	0.160
BV/SV 7.62HP/04 ZE GR	1937560000	R.2
BVDF 7.62HP/02/180 SN BK BX	2719370000	0.176
BVDF 7.62HP/02/180MSF2 SN BK BX	2720560000	0.177
BVDF 7.62HP/02/180SF SN BK BX	2719380000	0.177
BVDF 7.62HP/03/180 SN BK BX	2720430000	0.176
BVDF 7.62HP/03/180MSF3 SN BK BX	2720570000	0.177
BVDF 7.62HP/03/180SF SN BK BX	2720490000	0.177
BVDF 7.62HP/04/180 SN BK BX	2720440000	0.176
BVDF 7.62HP/04/180MSF3 SN BK BX	2720580000	0.177
BVDF 7.62HP/04/180SF SN BK BX	2720500000	0.177
BVDF 7.62HP/05/180 SN BK BX	2720450000	0.176
BVDF 7.62HP/05/180MSF4 SN BK BX	2720590000	0.177
BVDF 7.62HP/05/180SF SN BK BX	2720510000	0.177
BVDF 7.62HP/06/180 SN BK BX	2720460000	0.176
BVDF 7.62HP/06/180MSF3 SN BK BX	2720600000	0.177
BVDF 7.62HP/06/180SF SN BK BX	2720520000	0.177
BVDF 7.62HP/07/180 SN BK BX	2720470000	0.176
BVDF 7.62HP/07/180MSF2 SN BK BX	2720610000	0.177
BVDF 7.62HP/07/180SF SN BK BX	2720530000	0.177
BVDF 7.62HP/08/180 SN BK BX	2720480000	0.176
BVDF 7.62HP/08/180MSF5 SN BK BX	2720620000	0.177
BVDF 7.62HP/08/180SF SN BK BX	2720540000	0.177
BVF 7.62HP SH150 4-6 KIT	1118480000	0.36
BVF 7.62HP SH150 4-6 KIT	1118480000	0.38
BVF 7.62HP SH150 4-6 KIT	1118480000	0.50
BVF 7.62HP SH150 4-6 KIT	1118480000	0.52
BVF 7.62HP SH150 4-6 KIT	1118480000	R.3
BVF 7.62HP SH180 4-6 KIT	1118470000	0.36
BVF 7.62HP SH180 4-6 KIT	1118470000	0.38
BVF 7.62HP SH180 4-6 KIT	1118470000	0.50
BVF 7.62HP SH180 4-6 KIT	1118470000	0.52
BVF 7.62HP SH180 4-6 KIT	1118470000	R.3
BVF 7.62HP SH210 4-6 KIT	1118490000	0.36
BVF 7.62HP SH210 4-6 KIT	1118490000	0.38
BVF 7.62HP SH210 4-6 KIT	1118490000	0.50
BVF 7.62HP SH210 4-6 KIT	1118490000	0.52
BVF 7.62HP SH210 4-6 KIT	1118490000	R.3
BVF 7.62HP/02/180 BCF/04R SN BK BX	1080550000	0.34
BVF 7.62HP/02/180 BCF/06R SN BK BX	1080320000	0.34
BVF 7.62HP/02/180 BCF/08R SN BK BX	1156440000	0.34
BVF 7.62HP/02/180 SN BK BX	1060390000	0.166
BVF 7.62HP/02/180F SN BK BX	1060440000	0.167
BVF 7.62HP/02/180MF2 BCF/04R SN BK BX	1081610000	0.36
BVF 7.62HP/02/180MF2 BCF/06R SN BK BX	1081030000	0.36
BVF 7.62HP/02/180MF2 BCF/08R SN BK BX	1157090000	0.36
BVF 7.62HP/02/180MF2 SN BK BX	1060550000	0.168
BVF 7.62HP/02/180MSF2 BCF/04R SN BK BX	1081930000	0.38
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BVF 7.62HP/02/180MSF2 BCF/08R SN BK BX	1157100000	0.38
BVF 7.62HP/02/180MSF2 SN BK BX	1060630000	0.170
BVF 7.62HP/02/180SF SN BK BX	1060500000	0.167
BVF 7.62HP/03/180 BCF/04R SN BK BX	1080490000	0.34
BVF 7.62HP/03/180 BCF/06R SN BK BX	1080570000	0.34
BVF 7.62HP/03/180 BCF/08R SN BK BX	1156450000	0.34
BVF 7.62HP/03/180 SN BK BX	1060400000	0.166
BVF 7.62HP/03/180F SN BK BX	1060450000	0.167
BVF 7.62HP/03/180MF2 BCF/04R SN BK BX	1157110000	0.36
BVF 7.62HP/03/180MF2 BCF/06R SN BK BX	1157120000	0.36
BVF 7.62HP/03/180MF2 BCF/08R SN BK BX	1157130000	0.36
BVF 7.62HP/03/180MF2 SN BK BX	1060570000	0.168
BVF 7.62HP/03/180MF3 BCF/04R SN BK BX	1081630000	0.37
BVF 7.62HP/03/180MF3 BCF/06R SN BK BX	1081720000	0.37
BVF 7.62HP/03/180MF3 BCF/08R SN BK BX	1157170000	0.37
BVF 7.62HP/03/180MF3 SN BK BX	1060580000	0.169
BVF 7.62HP/03/180MSF2 BCF/04R SN BK BX	1157440000	0.38
BVF 7.62HP/03/180MSF2 BCF/06R SN BK BX	1157450000	0.38
BVF 7.62HP/03/180MSF2 BCF/08R SN BK BX	1157470000	0.38
BVF 7.62HP/03/180MSF2 SN BK BX	1060640000	0.170
BVF 7.62HP/03/180MSF3 BCF/04R SN BK BX	1082110000	0.39
BVF 7.62HP/03/180MSF3 BCF/06R SN BK BX	1081730000	0.39
BVF 7.62HP/03/180MSF3 BCF/08R SN BK BX	1157190000	0.39
BVF 7.62HP/03/180MSF3 SN BK BX	1060650000	0.171
BVF 7.62HP/03/180SF SN BK BX	1060510000	0.167
BVF 7.62HP/04/180 BCF/04R SN BK BX	1080510000	0.34
BVF 7.62HP/04/180 BCF/06R SN BK BX	1080440000	0.34
BVF 7.62HP/04/180 BCF/08R SN BK BX	1156470000	0.34
BVF 7.62HP/04/180 SN BK BX	1060410000	0.166
BVF 7.62HP/04/180F SN BK BX	1060470000	0.167

Type	Order No.	Page
BVF 7.62HP/04/180MF2 BCF/04R SN BK BX	2628320000	0.36
BVF 7.62HP/04/180MF2 BCF/06R SN BK BX	2628340000	0.36
BVF 7.62HP/04/180MF2 BCF/08R SN BK BX	2628350000	0.36
BVF 7.62HP/04/180MF2 SN BK BX	1430120000	0.168
BVF 7.62HP/04/180MF3 BCF/04R SN BK BX	2628450000	0.37
BVF 7.62HP/04/180MF3 BCF/06R SN BK BX	2628460000	0.37
BVF 7.62HP/04/180MF3 BCF/08R SN BK BX	2628470000	0.37
BVF 7.62HP/04/180MF3 SN BK BX	1060590000	0.169
BVF 7.62HP/04/180MF4 BCF/04R SN BK BX	1081150000	0.37
BVF 7.62HP/04/180MF4 BCF/06R SN BK BX	1082020000	0.37
BVF 7.62HP/04/180MF4 BCF/08R SN BK BX	1157200000	0.37
BVF 7.62HP/04/180MF4 SN BK BX	1430140000	0.169
BVF 7.62HP/04/180MSF2 BCF/04R SN BK BX	2628510000	0.38
BVF 7.62HP/04/180MSF2 BCF/06R SN BK BX	2628520000	0.38
BVF 7.62HP/04/180MSF2 BCF/08R SN BK BX	2628530000	0.38
BVF 7.62HP/04/180MSF2 SN BK BX	1430090000	0.170
BVF 7.62HP/04/180MSF3 BCF/04R SN BK BX	2628630000	0.39
BVF 7.62HP/04/180MSF3 BCF/06R SN BK BX	2628640000	0.39
BVF 7.62HP/04/180MSF3 BCF/08R SN BK BX	2628650000	0.39
BVF 7.62HP/04/180MSF3 SN BK BX	1060670000	0.171
BVF 7.62HP/04/180MSF4 BCF/04R SN BK BX	1081660000	0.39
BVF 7.62HP/04/180MSF4 BCF/06R SN BK BX	1081750000	0.39
BVF 7.62HP/04/180MSF4 BCF/08R SN BK BX	1157210000	0.39
BVF 7.62HP/04/180MSF4 SN BK BX	1430110000	0.171
BVF 7.62HP/04/180SF SN BK BX	1060520000	0.167
BVF 7.62HP/05/180 BCF/08R SN BK BX	1156480000	0.34
BVF 7.62HP/05/180 SN BK BX	1060420000	0.166
BVF 7.62HP/05/180F SN BK BX	1060480000	0.167
BVF 7.62HP/05/180MF2 BCF/04R SN BK BX	2628390000	0.36
BVF 7.62HP/05/180MF2 BCF/06R SN BK BX	2628400000	0.36
BVF 7.62HP/05/180MF2 BCF/08R SN BK BX	2628410000	0.36
BVF 7.62HP/05/180MF2 SN BK BX	1430130000	0.168
BVF 7.62HP/05/180MF3 BCF/04R SN BK BX	1157220000	0.37
BVF 7.62HP/05/180MF3 BCF/06R SN BK BX	1157230000	0.37
BVF 7.62HP/05/180MF3 BCF/08R SN BK BX	1157240000	0.37
BVF 7.62HP/05/180MF3 SN BK BX	1060600000	0.169
BVF 7.62HP/05/180MF4 BCF/04R SN BK BX	1082140000	0.37
BVF 7.62HP/05/180MF4 BCF/06R SN BK BX	1081760000	0.37
BVF 7.62HP/05/180MF4 BCF/08R SN BK BX	1157250000	0.37
BVF 7.62HP/05/180MF4 SN BK BX	1060610000	0.169
BVF 7.62HP/05/180MSF2 BCF/04R SN BK BX	2628570000	0.38
BVF 7.62HP/05/180MSF2 BCF/06R SN BK BX	2628580000	0.38
BVF 7.62HP/05/180MSF2 BCF/08R SN BK BX	2628590000	0.38
BVF 7.62HP/05/180MSF2 SN BK BX	1430100000	0.170
BVF 7.62HP/05/180MSF3 BCF/04R SN BK BX	1157270000	0.39
BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX	1157280000	0.39
BVF 7.62HP/05/180MSF3 BCF/08R SN BK BX	1157290000	0.39
BVF 7.62HP/05/180MSF3 SN BK BX	1060680000	0.171
BVF 7.62HP/05/180MSF4 BCF/04R SN BK BX	1080940000	0.39
BVF 7.62HP/05/180MSF4 BCF/06R SN BK BX	1080720000	0.39
BVF 7.62HP/05/180MSF4 BCF/08R SN BK BX	1157300000	0.39
BVF 7.62HP/05/180MSF4 SN BK BX	1060690000	0.171
BVF 7.62HP/05/180SF SN BK BX	1060530000	0.167
BVF 7.62HP/06/180F SN BK BX	1060490000	0.167
BVF 7.62HP/06/180MF2 SN BK BX	2629920000	0.168
BVF 7.62HP/06/180MF3 SN BK BX	2630270000	0.169
BVF 7.62HP/06/180MF4 SN BK BX	1060620000	0.169
BVF 7.62HP/06/180MSF3 SN BK BX	2630320000	0.171
BVF 7.62HP/06/180MSF4 SN BK BX	1060700000	0.171
BVF 7.62HP/06/180SF SN BK BX	1060540000	0.167
BVF 7.62HP/4/180MF4 BCF/4 SNBKBX SH180	2681760000	0.40
BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180	2681780000	0.41
BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150	2669590000	0.43
BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180	2633380000	0.43
BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210	2669610000	0.43
BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90	2614040000	0.42
BVFL 7.62HP/02/180 BCF/04R SN BK BX	2549310000	0.44
BVFL 7.62HP/02/180 SN BK BX	2548870000	0.172
BVFL 7.62HP/02/180F SN BK BX	2549280000	0.173
BVFL 7.62HP/02/180MF2 BCF/04R SN BK BX	2549320000	0.50
BVFL 7.62HP/02/180MF2 BCF/06R SN BK BX	2628330000	0.50
BVFL 7.62HP/02/180MF2 BCF/08R SN BK BX	2628690000	0.50
BVFL 7.62HP/02/180MF2 SN BK BX	2549300000	0.174
BVFL 7.62HP/02/180MSF2 BCF/04R SN BK BX	2549330000	0.52
BVFL 7.62HP/02/180MSF2 BCF/06R SN BK BX	2629020000	0.52
BVFL 7.62HP/02/180MSF2 BCF/08R SN BK BX	2629030000	0.52
BVFL 7.62HP/03/180 BCF/04R SN BK BX	2549400000	0.44
BVFL 7.62HP/03/180 BCF/06R SN BK BX	2549410000	0.44
BVFL 7.62HP/03/180 BCF/08R SN BK BX	2549420000	0.44
BVFL 7.62HP/03/180 SN BK BX	2548880000	0.172
BVFL 7.62HP/03/180F SN BK BX	2549340000	0.173
BVFL 7.62HP/03/180MF2 BCF/04R SN BK BX	2628720000	0.50
BVFL 7.62HP/03/180MF2 BCF/06R SN BK BX	2628730000	0.50
BVFL 7.62HP/03/180MF2 BCF/08R SN BK BX	2628740000	0.50
BVFL 7.62HP/03/180MF2 SN BK BX	2549360000	0.174
BVFL 7.62HP/03/180MF3 BCF/04R SN BK BX	2549460000	0.51
BVFL 7.62HP/03/180MF3 BCF/06R SN BK BX	2549470000	0.51
BVFL 7.62HP/03/180MF3 BCF/08R SN BK BX	2549480000	0.51
BVFL 7.62HP/03/180MF3 SN BK BX	2549370000	0.175
BVFL 7.62HP/03/180MSF2 BCF/04R SN BK BX	2629060000	0.52
BVFL 7.62HP/03/180MSF2 BCF/06R SN BK BX	2629070000	0.52
BVFL 7.62HP/03/180MSF2 BCF/08R SN BK BX	2629080000	0.52
BVFL 7.62HP/03/180MSF3 BCF/04R SN BK BX	2549540000	0.53
BVFL 7.62HP/03/180MSF3 BCF/06R SN BK BX	2549550000	0.53
BVFL 7.62HP/03/180MSF3 BCF/08R SN BK BX	2549560000	0.53
BVFL 7.62HP/04/180 BCF/04R SN BK BX	1547560000	0.44
BVFL 7.62HP/04/180 BCF/06R SN BK BX	2549430000	0.44
BVFL 7.62HP/04/180 BCF/08R SN BK BX	2549440000	0.44
BVFL 7.62HP/04/180 SN BK BX	1547520000	0.172

Type	Order No.	Page
BVFL 7.62HP/04/180F SN BK BX	1547530000	0.173
BVFL 7.62HP/04/180MF2 BCF/04R SN BK BX	2628780000	0.50
BVFL 7.62HP/04/180MF2 BCF/06R SN BK BX	2628790000	0.50
BVFL 7.62HP/04/180MF2 BCF/08R SN BK BX	2628800000	0.50
BVFL 7.62HP/04/180MF2 SN BK BX	2630700000	0.174
BVFL 7.62HP/04/180MF3 BCF/04R SN BK BX	2628900000	0.51
BVFL 7.62HP/04/180MF3 BCF/06R SN BK BX	2628910000	0.51
BVFL 7.62HP/04/180MF3 BCF/08R SN BK BX	2628920000	0.51
BVFL 7.62HP/04/180MF3 SN BK BX	1547540000	0.175
BVFL 7.62HP/04/180MF4 BCF/04R SN BK BX	1547590000	0.51
BVFL 7.62HP/04/180MF4 BCF/06R SN BK BX	2549490000	0.51
BVFL 7.62HP/04/180MF4 BCF/08R SN BK BX	2549500000	0.51
BVFL 7.62HP/04/180MF4 SN BK BX	2630740000	0.175
BVFL 7.62HP/04/180MSF2 BCF/04R SN BK BX	2629120000	0.52
BVFL 7.62HP/04/180MSF2 BCF/06R SN BK BX	2629130000	0.52
BVFL 7.62HP/04/180MSF2 BCF/08R SN BK BX	2629140000	0.52
BVFL 7.62HP/04/180MSF3 BCF/04R SN BK BX	2629240000	0.53
BVFL 7.62HP/04/180MSF3 BCF/06R SN BK BX	2629250000	0.53
BVFL 7.62HP/04/180MSF3 BCF/08R SN BK BX	2629260000	0.53
BVFL 7.62HP/04/180MSF4 BCF/04R SN BK BX	1547600000	0.53
BVFL 7.62HP/04/180MSF4 BCF/06R SN BK BX	2549570000	0.53
BVFL 7.62HP/04/180MSF4 BCF/08R SN BK BX	2549580000	0.53
BVFL 7.62HP/05/180 BCF/04R SN BK BX	2549450000	0.44
BVFL 7.62HP/05/180 SN BK BX	2548890000	0.172
BVFL 7.62HP/05/180F SN BK BX	2549350000	0.173
BVFL 7.62HP/05/180MF2 BCF/04R SN BK BX	2628840000	0.50
BVFL 7.62HP/05/180MF2 BCF/06R SN BK BX	2628850000	0.50
BVFL 7.62HP/05/180MF2 BCF/08R SN BK BX	2628860000	0.50
BVFL 7.62HP/05/180MF2 SN BK BX	2630710000	0.174
BVFL 7.62HP/05/180MF3 BCF/04R SN BK BX	2628960000	0.51
BVFL 7.62HP/05/180MF3 BCF/06R SN BK BX	2628970000	0.51
BVFL 7.62HP/05/180MF3 BCF/08R SN BK BX	2628980000	0.51
BVFL 7.62HP/05/180MF3 SN BK BX	2549380000	0.175
BVFL 7.62HP/05/180MF4 BCF/04R SN BK BX	2549510000	0.51
BVFL 7.62HP/05/180MF4 BCF/06R SN BK BX	2549520000	0.51
BVFL 7.62HP/05/180MF4 BCF/08R SN BK BX	2549530000	0.51
BVFL 7.62HP/05/180MF4 SN BK BX	2549390000	0.175
BVFL 7.62HP/05/180MSF2 BCF/04R SN BK BX	2629180000	0.52
BVFL 7.62HP/05/180MSF2 BCF/06R SN BK BX	2629190000	0.52
BVFL 7.62HP/05/180MSF2 BCF/08R SN BK BX	2629200000	0.52
BVFL 7.62HP/05/180MSF3 BCF/04R SN BK BX	2629300000	0.53
BVFL 7.62HP/05/180MSF3 BCF/06R SN BK BX	2629310000	0.53
BVFL 7.62HP/05/180MSF3 BCF/08R SN BK BX	2629320000	0.53
BVFL 7.62HP/05/180MSF4 BCF/04R SN BK BX	2549590000	0.53
BVFL 7.62HP/05/180MSF4 BCF/06R SN BK BX	2549600000	0.53
BVFL 7.62HP/05/180MSF4 BCF/08R SN BK BX	2549610000	0.53
BVFL 7.62HP/06/180MF2 SN BK BX	2630720000	0.174
BVFL 7.62HP/06/180MF3 SN BK BX	2630730000	0.175
BVFL 7.62HP/4/180MF4 BCF/4 SNBKBX SH180	2427960000	0.46
BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180	2681770000	0.47
BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150	2669600000	0.49
BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180	2633390000	0.49
BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210	2669620000	0.49
BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90	2633400000	0.48
BVL 7.62HP/02/180 3.5SN BK BX	1928610000	0.180
BVL 7.62HP/02/180FI 3.5SN BK BX	1928730000	0.181
BVL 7.62HP/02/180SFI 3.5SN BK BX	1928840000	0.181
BVL 7.62HP/02/270 3.5SN BK BX	1929300000	0.182
BVL 7.62HP/02/270FI 3.5SN BK BX	1929410000	0.183
BVL 7.62HP/02/270SFI 3.5SN BK BX	1929520000	0.183
BVL 7.62HP/02/90 3.5SN BK BX	1928280000	0.178
BVL 7.62HP/02/90FI 3.5SN BK BX	1928390000	0.179
BVL 7.62HP/02/90SFI 3.5SN BK BX	1928500000	0.179
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BVL 7.62HP/03/180FI 3.5SN BK BX	1928740000	0.181
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BVL 7.62HP/03/270SFI 3.5SN BK BX	1929530000	0.183
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BVL 7.62HP/03/90FI 3.5SN BK BX	1928400000	0.179
BVL 7.62HP/03/90SFI 3.5SN BK BX	1928510000	0.179
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BVL 7.62HP/04/180SFI 3.5SN BK BX	1928860000	0.181
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BVL 7.62HP/04/270FI 3.5SN BK BX	1929430000	0.183
BVL 7.62HP/04/270SFI 3.5SN BK BX	1929540000	0.183
BVL 7.62HP/04/90 3.5SN BK BX	1928300000	0.178
BVL 7.62HP/04/90FI 3.5SN BK BX	1928410000	0.179
BVL 7.62HP/04/90SFI 3.5SN BK BX	1928520000	0.179
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BVZ 7.62HP/02/180F SN BK BX	1930050000	0.161
BVZ 7.62HP/02/180SF SN BK BX	1930160000	0.161
BVZ 7.62HP/02/180SFC SN BK BX	1929740000	0.161
BVZ 7.62HP/03/180 SN BK BX	1929940000	0.160
BVZ 7.62HP/03/180F SN BK BX	1930060000	0.161
BVZ 7.62HP/03/180RSH150 SN BK BX	1929850000	0.162
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BVZ 7.62HP/03/180RSH210 SN BK BX	1933430000	0.163
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BVZ 7.62HP/03/180SH210C SN BK BX	1933470000	0.165
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BVZ 7.62HP/04/180RSH150SN BK BX	1929860000	0.162
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BVZ 7.62HP/06/180RSH210 SN BK BX	1933460000	0.163
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BVZ 7.62IT/02/180MF2 SN BK BX	1156710000	0.70
BVZ 7.62IT/03/180MF2 SN BK BX	1156720000	0.70
BVZ 7.62IT/03/180MF3 SN BK BX	1156730000	0.71
BVZ 7.62IT/04/180MF2 SN BK BX	1156740000	0.70
BVZ 7.62IT/04/180MF3 SN BK BX	1312730000	0.71
BVZ 7.62IT/04/180MF4 SN BK BX	1156750000	0.71

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CB1,6E14-12 AU,75 I3,5	1428900000	L16
CB1,6E14-12 AU,75 I4,2	1582450000	L16
CB1,6E14-12 SN I3,5	1429900000	L16
CB1,6E14-12 SN I4,2	1582470000	L16
CB1,6E18-16 AU,75 I2,5	1426900000	L16
CB1,6E18-16 AU,75 I3,5	1582410000	L16
CB1,6E18-16 SN I2,5	1427900000	L16
CB1,6E18-16 SN I3,5	1582430000	L16
CB1,6E22-20 AU,75 I1,8	1422900000	L16
CB1,6E22-20 AU,75 I2,5	1424900000	L16
CB1,6E22-20 SN I1,8	1423900000	L16
CB1,6E22-20 SN I2,5	1425900000	L16
CB1,6E26-24 AU,75 I1,4	1420900000	L16
CB1,6E26-24 SN I1,4	1421900000	L16
CB1,6R14-12 AU,75 I3,5	1428800000	L16
CB1,6R14-12 AU,75 I4,2	1582460000	L16
CB1,6R14-12 SN I3,5	1429800000	L16
CB1,6R14-12 SN I4,2	1582480000	L16
CB1,6R18-16 AU,75 I2,5	1426800000	L16
CB1,6R18-16 AU,75 I3,5	1582420000	L16
CB1,6R18-16 SN I2,5	1427800000	L16
CB1,6R18-16 SN I3,5	1582440000	L16
CB1,6R22-20 AU,75 I1,8	1422800000	L16
CB1,6R22-20 AU,75 I2,5	1424800000	L16
CB1,6R22-20 SN I1,8	1423800000	L16
CB1,6R22-20 SN I2,5	1425800000	L16
CB1,6R26-24 AU,75 I1,4	1420800000	L16
CB1,6R26-24 SN I1,4	1421800000	L16
CH20M BUS 4.50/05 AU/250	1248220000	S.40
CH20M BUS 4.50/05 AU/500	1248230000	S.40
CH20M BUS 4.50/05 AU/750	1248240000	S.40
CH20M BUS-ADP TS 35/250	1248250000	S.40
CH20M BUS-ADP TS 35/500	1248260000	S.40
CH20M BUS-ADP TS 35/750	1248270000	S.40
CH20M BUS-AP LI TS 35X7.5 & 15	1193160000	S.40
CH20M BUS-AP RE TS 35X7.5 & 15	1193170000	S.40
CH20M BUS-PROFIL TS 35X15/250	1248180000	S.40
CH20M BUS-PROFIL TS 35X15/500	1248190000	S.40
CH20M BUS-PROFIL TS 35X15/750	1248210000	S.40
CH20M BUS-PROFIL TS 35X7.5/250	1248150000	S.40
CH20M BUS-PROFIL TS 35X7.5/500	1248160000	S.40
CH20M BUS-PROFIL TS 35X7.5/750	1248170000	S.40
CH20M FE 12-67 1.5SN RL	1189370000	S.39
CH20M FE 12-67 3.2SN RL	1264240000	S.39
CH20M12 B AGY/BK 3747	2554620000	S.22
CH20M12 B BK/BK 2010	1104170000	S.22
CH20M12 B BK/OR 2010	1104180000	S.22
CH20M12 B BUS BK/BK 2010	1366350000	S.22
CH20M12 B BUS BK/OR 2010	1176980000	S.22
CH20M12 B FE BK/OR 2010	1176990000	S.22
CH20M12 C BK 1819	1104240000	S.22
CH20M12 C TP 8089	1104250000	S.22
CH20M12 F AGY 3747	2554760000	S.22
CH20M12 F BK 2010	1104190000	S.22
CH20M12 S PPP AGY 3747	2554690000	S.23
CH20M12 S PPP BK 2010	1174280000	S.23
CH20M12 S PPP BL 2013	1294340000	S.23
CH20M12 S PPSC AGY 3747	2554860000	S.23
CH20M12 S PPSC BK 2010	1104200000	S.23
CH20M12 S PPSC BL 2013	1104220000	S.23
CH20M12 S PSCSC AGY	2638340000	S.23
CH20M12 S PSCSC BK 2010	1104210000	S.23
CH20M12 S PSCSC BL 2013	1104230000	S.23
CH20M17 B AGY/BK 3747	2554640000	S.24
CH20M17 B BK/BK 2010	1254120000	S.24
CH20M17 B BK/OR 2010	1254130000	S.24
CH20M17 B BUS BK/BK 2010	1366280000	S.24
CH20M17 B BUS BK/OR 2010	1254180000	S.24
CH20M17 B FE BK/BK 2010	1378000000	S.24
CH20M17 B FE BK/OR 2010	1254190000	S.24
CH20M17 C BK 1819	1254150000	S.24
CH20M17 C TP 8089	1254160000	S.24
CH20M17 F AGY 3747	2554750000	S.24
CH20M17 F BK 2010	1254140000	S.24
CH20M17 FC BK 2010	2655080000	S.24
CH20M17 FC TYL 2083	2655070000	S.24
CH20M17 S PPP AGY 3747	2554700000	S.25
CH20M17 S PPP BK 2010	1254170000	S.25
CH20M17 S PPP TYL 2083	1395730000	S.25
CH20M22 B AGY/BK 3747	1545130000	S.26
CH20M22 B BK/BK 2010	2418630000	S.26
CH20M22 B BK/OR 2010	1104450000	S.26
CH20M22 B BK/RD 2010	2555100000	S.26
CH20M22 B BUS BK/BK 2010	1243030000	S.26
CH20M22 B BUS BK/OR 2010	1177000000	S.26
CH20M22 B BUS FE BK/BK 2010	1384030000	S.26
CH20M22 B BUS FE BK/OR 2010	2004700000	S.26
CH20M22 B FE AGY/BK 3747	1472800000	S.26
CH20M22 B FE BK/OR 2010	1177010000	S.26
CH20M22 B RD/BK 2014	1206870000	S.26
CH20M22 B SIM BK/OR 2010	2743520000	S.26
CH20M22 C BK 1819	2418670000	S.26
CH20M22 C TP 8089	1073420000	S.26
CH20M22 F AGY 3747	2554730000	S.26
CH20M22 F BK 2010	2418640000	S.26
CH20M22 F RD 2014	1209380000	S.26
CH20M22 F TYL 2083	1350230000	S.26
CH20M22 FC AGY 3747	1472810000	S.26
CH20M22 FC BK 2010	1209350000	S.26
CH20M22 FC RD 2014	1206880000	S.26
CH20M22 FC TYL 2083	1304240000	S.26
CH20M22 S PPP AGY 3747	2554840000	S.27
CH20M22 S PPP BK 2010	1139790000	S.27
CH20M22 S PPP BL 2013	1296430000	S.27
CH20M22 S PPSC AGY 3747	2554710000	S.27
CH20M22 S PPSC BK 2010	2418650000	S.27
CH20M22 S PPSC BL 2013	2418660000	S.27
CH20M22 S PPSC RD 2014	1206890000	S.27
CH20M22 S PSCSC AGY 3747	2554850000	S.27
CH20M22 S PSCSC BK 2010	1080630000	S.27
CH20M22 S PSCSC BL 2013	1070620000	S.27
CH20M22 S RPP AGY 3747	1472820000	S.27
CH20M22 S RPP BK 2010	1276590000	S.27
CH20M45 B BK/BK 2010	1104400000	S.28
CH20M45 B BK/OR 2010	1104410000	S.28
CH20M45 B BK/RD 2010	2555110000	S.28
CH20M45 B BUS BK/BK 2010	1476000000	S.28
CH20M45 B BUS BK/OR 2010	1177020000	S.28
CH20M45 B FE BK/OR 2010	1177030000	S.28
CH20M45 B RD/BK 2014	1206910000	S.28
CH20M45 B SIM BK/BK 2010	2738670000	S.28
CH20M45 C BK 1819	1104430000	S.28
CH20M45 C TP 8089	1104440000	S.28
CH20M45 F BK 2010	1104420000	S.28
CH20M45 F RD 2014	1209390000	S.28
CH20M45 F TYL 2083	1337640000	S.28
CH20M45 FC BK 2010	1164800000	S.28
CH20M45 FC RD 2014	1206920000	S.28
CH20M45 S 2PSC/2PSC BK 2010	1111720000	S.29
CH20M45 S 2PSC/2PSC BL 2013	1476910000	S.29
CH20M45 S 2PSC/2PSC RD 2014	1206930000	S.29
CH20M45 S 2PSC/2PSC TYL 2083	1327990000	S.29
CH20M45 S 2PSC/3SC BK 2010	1137740000	S.29
CH20M45 S 2PSC/RUSC BK 2010	1500050000	S.29
CH20M45 S 3P/3P BK 2010	1137730000	S.29
CH20M45 S 3P/3P BL 2013	2624760000	S.29
CH20M45 S 3P/3P TYL 2083	1482830000	S.29
CH20M45 S 3SC/2PSC BK 2010	1137750000	S.29
CH20M45 S P2SC/P2SC BK 2010	1166180000	S.29
CH20M45 S P2SC/P2SC BL 2013	2579670000	S.29
CH20M45 S RPSC/2PSC BK 2010	1500040000	S.29
CH20M6 BC 4P-4P AGY 1 1293807	2771210000	S.21
CH20M6 BC 4P-4P BK 1 1261494	2771160000	S.21
CH20M6 BC 4P-4P BUS AGY 1 1293807	2771220000	S.21
CH20M6 BC 4P-4P BUS BK 1 1261494	2771130000	S.21
CH20M6 BC 4P-4P BUS RD 1 1261515	2771150000	S.21
CH20M6 BC 4P-4P RD 1 1261515	2771190000	S.21
CH20M6 BP 4P-4P AGY LF 1 1293807	2771450000	S.20
CH20M6 BP 4P-4P BK LF 1 1261494	2771470000	S.20
CH20M6 BP 4P-4P BUS AGY LF 1 1293807	2771420000	S.20
CH20M6 BP 4P-4P BUS BK LF 1 1261494	2771430000	S.20
CH20M6 BP 4P-4P BUS RD LF 1 1261515	2771410000	S.20
CH20M6 BP 4P-4P FE BK 1 1261494	2435460000	S.20
CH20M6 BP 4P-4P FE TGY 1 1293806	3107630000	S.20
CH20M6 BP 4P-4P RD LF 1 1261515	2771490000	S.20
CH20M6 C BK 1819	2418620000	S.20
CH20M6 C TP 8089	1073410000	S.20
CH20M67 B 2FE BK/OR	2745200000	S.30
CH20M67 B BK/BK 2010	1235270000	S.30
CH20M67 B BK/OR 2010	1235250000	S.30
CH20M67 B BUS BK/BK 2010	1490820000	S.30
CH20M67 B BUS BK/OR 2010	1247240000	S.30
CH20M67 B BUS GGY/BK 2019	1413780000	S.30
CH20M67 B FE BK/OR 2010	1247250000	S.30
CH20M67 B TYL/BK 2083	2653360000	S.30
CH20M67 FC BK 2010	1235310000	S.30
CH20M67 FC GGY 2019	1413810000	S.30
CH20M67 FC TYL 2083	2653370000	S.30
CH20M67 S 2PSC/2PSC/2PSC BK 2010	1235320000	S.31
CH20M67 S 2PSC/2PSC/2PSC GGY 2019	1413820000	S.31
CH20M67 S 3P/3P/3P BK 2010	1420370000	S.31
CH20M67 S 3P/3P/3P GGY 2019	1455770000	S.31
CH20M67 S 3P/3P/3P TYL 2083	2653380000	S.31
CS1,6E14-12 AU,75 I3,5	1428600000	L16
CS1,6E14-12 AU,75 I4,2	1582290000	L16
CS1,6E14-12 SN I3,5	1429600000	L16
CS1,6E14-12 SN I4,2	1582310000	L16
CS1,6E18-16 AU,75 I2,5	1426600000	L16
CS1,6E18-16 AU,75 I3,5	1582250000	L16
CS1,6E18-16 SN I2,5	1427600000	L16
CS1,6E18-16 SN I3,5	1582270000	L16
CS1,6E22-20 AU,75 I1,8	1422600000	L16
CS1,6E22-20 AU,75 I2,5	1424600000	L16
CS1,6E22-20 SN I1,8	1423600000	L16
CS1,6E22-20 SN I2,5	1425600000	L16
CS1,6E26-24 AU,75 I1,4	1420600000	L16
CS1,6E26-24 SN I1,4	1421600000	L16
CS1,6R14-12 AU,75 I3,5	1428500000	L16
CS1,6R14-12 AU,75 I4,2	1582300000	L16
CS1,6R14-12 SN I3,5	1429500000	L16
CS1,6R14-12 SN I4,2	1582320000	L16
CS1,6R18-16 AU,75 I2,5	1426500000	L16
CS1,6R18-16 AU,75 I3,5	1582260000	L16
CS1,6R18-16 SN I2,5	1427500000	L16
CS1,6R18-16 SN I3,5	1582280000	L16
CS1,6R22-20 AU,75 I1,8	1422500000	L16
CS1,6R22-20 AU,75 I2,5	1424500000	L16
CS1,6R22-20 SN I1,8	1423500000	L16
CS1,6R22-20 SN I2,5	1425500000	L16
CS1,6R26-24 AU,75 I1,4	1420500000	L16
CS1,6R26-24 SN I1,4	1421500000	L16
CSL1,6E14-12 AU,75 I3,5	1428700000	L16
CSL1,6E14-12 AU,75 I4,2	1582370000	L16
CSL1,6E14-12 SN I3,5	1429700000	L16
CSL1,6E14-12 SN I4,2	1582390000	L16
CSL1,6E18-16 AU,75 I2,5	1426700000	L16
CSL1,6E18-16 AU,75 I3,5	1582330000	L16
CSL1,6E18-16 SN I2,5	1427700000	L16
CSL1,6E18-16 SN I3,5	1582350000	L16
CSL1,6E22-20 AU,75 I1,8	1422700000	L16
CSL1,6E22-20 AU,75 I2,5	1424700000	L16
CSL1,6E22-20 SN I1,8	1423700000	L16
CSL1,6E22-20 SN I2,5	1425700000	L16
CSL1,6E26-24 AU,75 I1,4	1420700000	L16
CSL1,6E26-24 SN I1,4	1421700000	L16
CSL1,6R14-12 AU,75 I3,5	1565760000	L16
CSL1,6R14-12 AU,75 I4,2	1582380000	L16
CSL1,6R14-12 SN I3,5	1565780000	L16
CSL1,6R14-12 SN I4,2	1582400000	L16
CSL1,6R18-16 AU,75 I2,5	1565790000	L16
CSL1,6R18-16 AU,75 I3,5	1582340000	L16
CSL1,6R18-16 SN I2,5	1565810000	L16
CSL1,6R18-16 SN I3,5	1582360000	L16
CSL1,6R22-20 AU,75 I1,8	1565850000	L16
CSL1,6R22-20 AU,75 I2,5	1565820000	L16
CSL1,6R22-20 SN I1,8	1565870000	L16
CSL1,6R22-20 SN I2,5	1565840000	L16
CSL1,6R26-24 AU,75 I1,4	1565880000	L16
CSL1,6R26-24 SN I1,4	1565900000	L16

D

DEK 5 NEUTRAL	0473360000	N.18
DEK 5 NEUTRAL	0473360000	N.19
DEK 5 NEUTRAL	0473360000	N.20
DEK 5 NEUTRAL	0473360000	N.21
DEK 5 NEUTRAL	0473360000	N.22
DEK 5 NEUTRAL	0473360000	N.24
DEK 5/5 MC NE WS	1609801044	N.18
DEK 5/5 MC NE WS	1609801044	N.19
DEK 5/5 MC NE WS	1609801044	N.20
DEK 5/5 MC NE WS	1609801044	N.21
DEK 5/5 MC NE WS	1609801044	N.22

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DEK 5/5 MC NE WS	1609801044	N.24
DEK 5/5 MC NE WS	1609801044	Q.12
DEK 5/5 MC NE WS	1609801044	Q.14
DEK 5/5 MC NE WS	1609801044	Q.16
DEK 5/5 MC NE WS	1609801044	Q.18
DEK 5/5 MC NE WS	1609801044	Q.20
DEK 5/5 MC NE WS	1609801044	Q.22
DEK 5/5 MC NE WS	1609801044	Q.24
DEK 5/6 MC NE WS	1609820000	Q.12
DEK 5/6 MC NE WS	1609820000	Q.14
DEK 5/6 MC NE WS	1609820000	Q.16
DEK 5/6 MC NE WS	1609820000	Q.18
DEK 5/6 MC NE WS	1609820000	Q.20
DEK 5/6 MC NE WS	1609820000	Q.22
DEK 5/6 MC NE WS	1609820000	Q.24
DEK 5/8 MC NE WS	1856740000	Q.12
DEK 5/8 MC NE WS	1856740000	Q.14
DEK 5/8 MC NE WS	1856740000	Q.16
DEK 5/8 MC NE WS	1856740000	Q.18
DEK 5/8 MC NE WS	1856740000	Q.20
DEK 5/8 MC NE WS	1856740000	Q.22
DEK 5/8 MC NE WS	1856740000	Q.24
DFFC 0.22-0.35 SN 3000	1604230000	K.116
DFFC 0.22-0.35 SN E	1604250000	K.116
DFFC 0.5-1.0 SN 3000	1480000000	K.116
DFFC 0.5-1.0 SN E	1567060000	K.116
DFFC 1.5-2.5 SN 2500	1480100000	K.116
DFFC 1.5-2.5 SN E	1567070000	K.116
DFFC EW2	1803790000	M.14
DP VWGK 4 BK BX	1251030000	Q.12
DP VWGK 4 GY BX	1936430000	Q.12
DP VWGK 6 BK BX	1250630000	Q.14
DP VWGK 6 BK BX	1250630000	Q.16
DP VWGK 6 GY BX	1965750000	Q.14
DP VWGK 6 GY BX	1965750000	Q.16
DP WGK 16 BK BX	1250580000	Q.18
DP WGK 16 GY BX	1936700000	Q.18
DP WGK 25 BK BX	1250590000	Q.20
DP WGK 25 GY BX	1936710000	Q.20
DP WGK 4 BK BX	1297840000	Q.12
DP WGK 4 GY BX	1936450000	Q.12
DP WGK 50	1937030000	Q.22
DP WGK 50 BK BX	1250610000	Q.22
DP WGK 95 BK BX	1250620000	Q.24
DP WGK 95 GY BX	1937020000	Q.24
DW RSV 1.6	9004530000	L.14
DW RSV 1.6	9004530000	M.14

E

EPL PGK4 BK	1288600000	Q.11
ESG 6.6/11 BHZ 5.00 SDR	1346330000	S.37
ESG 6.6/11 BHZ 5.00/02	1082490000	S.37
ESG 6.6/15 BHZ 5.00 SDR	1346320000	S.37
ESG 6.6/15 BHZ 5.00/03	1082520000	S.37
ESG 6.6/20 BHZ 5.00 SDR	1221520000	S.37
ESG 6.6/20 BHZ 5.00/04	1082540000	S.37

G

GH MCZ1.5 1674	2224220000	S.43
GH MCZUE1.5/UE 1674	2312290000	S.43

H

H0,5/14S W	9004590000	K.46
H0,5/14S W	9004590000	K.48
H0,5/14S W	9004590000	K.84
H0,5/14S W	9004590000	K.88
H0,5/14S W	9004590000	K.94
H0,5/14S W	9004590000	K.108
H0,5/14S W	9004590000	K.110
H0,5/14S W	9004590000	K.112
H0,5/14S W	9004590000	K.114
H1,0/14S R	9018560000	K.46
H1,0/14S R	9018560000	K.48
H1,0/14S R	9018560000	K.94
H1,0/14S R	9018560000	K.108
H1,0/14S R	9018560000	K.110
H1,0/14S R	9018560000	K.112
H1,0/14S R	9018560000	K.114
H1,5/14DS SW	9025240000	K.46
H1,5/14DS SW	9025240000	K.48
H1,5/14DS SW	9025240000	K.84
H1,5/14DS SW	9025240000	K.88
H1,5/14DS SW	9025240000	K.94
H1,5/14DS SW	9025240000	K.108
H1,5/14DS SW	9025240000	K.110
H1,5/14DS SW	9025240000	K.112
H1,5/14DS SW	9025240000	K.114
H2,5/14DS BL	1333100000	K.46
H2,5/14DS BL	1333100000	K.48
H2,5/14DS BL	1333100000	K.84
H2,5/14DS BL	1333100000	K.88
H2,5/14DS BL	1333100000	K.94
H2,5/14DS BL	1333100000	K.108
H2,5/14DS BL	1333100000	K.110
H2,5/14DS BL	1333100000	K.112
H2,5/14DS BL	1333100000	K.114
HTF 28	9013090000	M.13
HTF 63	9013400000	M.13
HTF DFF	9014140000	K.116
HTF DFF	9014140000	M.13
HTF RSV 12	9013550000	M.13
HTF RSV 16	9013560000	L.14
HTF RSV 16	9013560000	M.13

I

IE-PS-MSPE-P-FH	3239620000	C.12
IE-PS-SPO-S-FH-2-180	3150000000	C.12
IE-PS-SPO-S-FH-2-180	3150000000	C.14

K

KO BU/SU10.16HP BK	1824410000	Q.72
KO BU/SU10.16HP BK	1824410000	Q.74
KO BU/SU10.16HP BK	1824410000	Q.76
KO BU/SU10.16HP BK	1824410000	Q.78
KO BU/SU10.16HP BK	1824410000	Q.80
KO BU/SU10.16HP BK	1824410000	Q.82
KO BU/SU10.16HP BK	1824410000	Q.84
KO BU/SU10.16HP BK	1824410000	Q.86
KO BU/SU10.16HP BK	1824410000	Q.88
KO BU/SU10.16HP BK	1824410000	Q.190
KO BU/SU10.16HP BK	1824410000	Q.192
KO BU/SU10.16HP BK	1824410000	Q.194
KO BU/SU10.16HP BK	1824410000	Q.196
KO BU/SU10.16HP BK	1824410000	Q.198
KO BU/SU10.16HP BK	1824410000	Q.200
KO BU/SU10.16HP BK	1824410000	Q.202
KO BU/SU10.16HP BK	1824410000	R.4
KO BU/SU10.16HP WT	2592600000	Q.72
KO BU/SU10.16HP WT	2592600000	Q.74
KO BU/SU10.16HP WT	2592600000	Q.76
KO BU/SU10.16HP WT	2592600000	Q.78
KO BU/SU10.16HP WT	2592600000	Q.80
KO BU/SU10.16HP WT	2592600000	Q.82
KO BU/SU10.16HP WT	2592600000	Q.84
KO BU/SU10.16HP WT	2592600000	Q.86
KO BU/SU10.16HP WT	2592600000	Q.88
KO BU/SU10.16HP WT	2592600000	Q.190
KO BU/SU10.16HP WT	2592600000	Q.192
KO BU/SU10.16HP WT	2592600000	Q.194
KO BU/SU10.16HP WT	2592600000	Q.196
KO BU/SU10.16HP WT	2592600000	Q.198
KO BU/SU10.16HP WT	2592600000	Q.200
KO BU/SU10.16HP WT	2592600000	Q.202
KOPL MCZ 1.5 1816	2224040000	S.43

L

LHF-SMT L 1.5SN BK/GY RL	3157040000	S.32
LHF-SMT R 1.5SN BK/GY RL	3157050000	S.32
LHZ-SMT L 1.5SN BK BX	1137870000	S.32
LHZ-SMT L 1.5SN BK RL	2418580000	S.32
LHZ-SMT R 1.5SN BK BX	1137880000	S.32
LHZ-SMT R 1.5SN BK RL	2418590000	S.32
LKSC M2,9X13VZ	4011200000	S.48
LL 10.00/02/90 3.2SN OR BX	2613390000	G.37
LL 10.00/03/90 3.2SN OR BX	2613340000	G.37
LL 5.00/02/180 3.2SN OR BX	1994230000	G.31
LL 5.00/02/90 3.2SN OR BX	1934270000	G.30
LL 5.00/03/180 3.2SN OR BX	1994240000	G.31
LL 5.00/03/90 3.2SN OR BX	1934280000	G.30
LL 5.00/04/180 3.2SN OR BX	2429470000	G.31
LL 5.00/04/90 3.2SN OR BX	1001720000	G.30
LL 5.00/05/180 3.2SN OR BX	2429530000	G.31
LL 5.00/05/90 3.2SN OR BX	1001730000	G.30
LL 5.00/06/180 3.2SN OR BX	2429540000	G.31
LL 5.00/06/90 3.2SN OR BX	1001740000	G.30
LL 5.00/07/180 3.2SN OR BX	2429550000	G.31
LL 5.00/07/90 3.2SN OR BX	1001750000	G.30
LL 5.00/08/180 3.2SN OR BX	2429560000	G.31
LL 5.00/08/90 3.2SN OR BX	1001760000	G.30
LL 5.00/09/180 3.2SN OR BX	2429570000	G.31
LL 5.00/09/90 3.2SN OR BX	1001770000	G.30
LL 5.00/10/180 3.2SN OR BX	2429580000	G.31
LL 5.00/10/90 3.2SN OR BX	1001780000	G.30
LL 5.00/11/180 3.2SN OR BX	2429590000	G.31
LL 5.00/11/90 3.2SN OR BX	1001790000	G.30
LL 5.00/12/180 3.2SN OR BX	2429600000	G.31
LL 5.00/12/90 3.2SN OR BX	1001800000	G.30
LL 5.08/02/180 3.2SN OR BX	1994250000	G.31
LL 5.08/02/90 3.2SN OR BX	1934250000	G.31
LL 5.08/03/180 3.2SN OR BX	1994260000	G.31
LL 5.08/03/90 3.2SN OR BX	1934260000	G.31
LL 5.08/04/180 3.2SN OR BX	2429810000	G.31
LL 5.08/04/90 3.2SN OR BX	1001850000	G.31
LL 5.08/05/180 3.2SN OR BX	2431930000	G.31
LL 5.08/05/90 3.2SN OR BX	1001860000	G.31
LL 5.08/06/180 3.2SN OR BX	2431950000	G.31
LL 5.08/06/90 3.2SN OR BX	1001870000	G.31
LL 5.08/07/180 3.2SN OR BX	2431960000	G.31
LL 5.08/07/90 3.2SN OR BX	1001880000	G.31
LL 5.08/08/180 3.2SN OR BX	2431970000	G.31
LL 5.08/08/90 3.2SN OR BX	1001890000	G.31
LL 5.08/09/180 3.2SN OR BX	2431980000	G.31
LL 5.08/09/90 3.2SN OR BX	1001900000	G.31
LL 5.08/10/180 3.2SN OR BX	2431990000	G.31
LL 5.08/10/90 3.2SN OR BX	1001910000	G.31
LL 5.08/11/180 3.2SN OR BX	2432000000	G.31
LL 5.08/11/90 3.2SN OR BX	1001920000	G.31
LL 5.08/12/180 3.2SN OR BX	2432010000	G.31
LL 5.08/12/90 3.2SN OR BX	1001930000	G.31
LL 6.35/02/90V 5.0SN BK BX	1356830000	N.16
LL 6.35/03/90V 5.0SN BK BX	1356840000	N.16
LL 6.35/04/90V 5.0SN BK BX	1356850000	N.16
LL 6.35/05/90V 5.0SN BK BX	1356870000	N.16
LL 6.35/06/90V 5.0SN BK BX	1356880000	N.16
LL 6.35/07/90V 5.0SN BK BX	1356890000	N.16
LL 6.35/08/90V 5.0SN BK BX	1356900000	N.16
LL 6.35/09/90V 5.0SN BK BX	1356920000	N.16
LL 6.35/10/90V 5.0SN BK BX	1356930000	N.16
LL 6.35/11/90V 5.0SN BK BX	1356940000	N.16
LL 6.35/12/90V 5.0SN BK BX	1356950000	N.16
LL 9.52/02/90 5.0SN OR BX	1724680000	G.36
LL 9.52/03/90 5.0SN OR BX	1724690000	G.36
LL1N 5.00/02/90 3.2SN OR BX	1975250000	G.32
LL1N 5.00/03/90 3.2SN OR BX	1975260000	G.32
LL1N 5.00/04/90 3.2SN OR BX	1975270000	G.32
LL1N 5.00/05/90 3.2SN OR BX	1975280000	G.32
LL1N 5.00/06/90 3.2SN OR BX	1975290000	G.32
LL1N 5.00/07/90 3.2SN OR BX	1975300000	G.32
LL1N 5.00/08/90 3.2SN OR BX	1975310000	G.32
LL1N 5.00/09/90 3.2SN OR BX	1975320000	G.32
LL1N 5.00/10/90 3.2SN OR BX	1975330000	G.32
LL1N 5.00/11/90 3.2SN OR BX	1975340000	G.32
LL1N 5.00/12/90 3.2SN OR BX	1975350000	G.32
LL1N 5.08/02/90 3.2SN OR BX	1975360000	G.34
LL1N 5.08/03/90 3.2SN OR BX	1975370000	G.34
LL1N 5.08/04/90 3.2SN OR BX	1975380000	G.34
LL1N 5.08/05/90 3.2SN OR BX	1975390000	G.34
LL1N 5.08/06/90 3.2SN OR BX	1975400000	G.34
LL1N 5.08/07/90 3.2SN OR BX	1975410000	G.34
LL1N 5.08/08/90 3.2SN OR BX	1975420000	G.34
LL1N 5.08/09/90 3.2SN OR BX	1975430000	G.34
LL1N 5.08/10/90 3.2SN OR BX	1975440000	G.34
LL1N 5.08/11/90 3.2SN OR BX	1975460000	G.34
LL1N 5.08/12/90 3.2SN OR BX	1975470000	G.34
LL2N 5.00/04/90 3.2SN OR BX	1934310000	G.33
LL2N 5.00/08/90 3.2SN OR BX	1977260000	G.33
LL2N 5.00/12/90 3.2SN OR BX	1977280000	G.33
LL2N 5.00/16/90 3.2SN OR BX	1977310000	G.33
LL2N 5.00/20/90 3.2SN OR BX	1977330000	G.33
LL2N 5.00/24/90 3.2SN OR BX	1977350000	G.33
LL2N 5.08/08/90 3.2SN OR BX	1977480000	G.35
LL2N 5.08/12/90 3.2SN OR BX	1977500000	G.35
LL2N 5.08/16/90 3.2SN OR BX	1977520000	G.35
LL2N 5.08/20/90 3.2SN OR BX	1977540000	G.35
LL2N 5.08/24/90 3.2SN OR BX	1977560000	G.35
LL3R 5.00/06/90 3.2SN OR BX	1934360000	G.33
LL3R 5.00/12/90 3.2SN OR BX	1978850000	G.33
LL3R 5.00/18/90 3.2SN OR BX	1978870000	G.33
LL3R 5.00/24/90 3.2SN OR BX	1978890000	G.33
LL3R 5.08/06/90 3.2SN OR BX	1934340000	G.35
LL3R 5.08/12/90 3.2SN OR BX	1979060000	G.35
LL3R 5.08/18/90 3.2SN OR BX	1979080000	G.35
LL3R 5.08/24/90 3.2SN OR BX	1979100000	G.35
LL3R 5.08/30/90 3.2SN OR BX	1979120000	G.35
LL3R 5.08/36/90 3.2SN OR BX	1979140000	G.35
LLF 7.50/01/90 5.0SN BK BX	2471520000	N.26
LLF 7.50/02/90V 5.0SN BK BX	2471530000	N.27
LLF 7.50/03/90V 5.0SN BK BX	2472090000	N.27
LLF 7.50/04/90V 5.0SN BK BX	2472100000	N.27
LLF 7.50/05/90V 5.0SN BK BX	2472110000	N.27
LLF 7.50/06/90V 5.0SN BK BX	2472120000	N.27
LLF 7.50/07/90V 5.0SN BK BX	2472130000	N.27
LLF 7.50/08/90V 5.0SN BK BX	2472140000	N.27
LLFS 7.50/01/180 5.0SN BK BX	2491110000	N.30
LLFS 7.50/01/90 5.0SN BK BX	2473420000	N.28
LLFS 7.50/02/180V 5.0SN BK BX	2491620000	N.31
LLFS 7.50/02/90V 5.0SN BK BX	2473000000	N.29
LLFS 7.50/03/180V 5.0SN BK BX	2491630000	N.31
LLFS 7.50/03/90V 5.0SN BK BX	2473010000	N.29
LLFS 7.50/04/180V 5.0SN BK BX	2491640000	N.31
LLFS 7.50/04/90V 5.0SN BK BX	2473020000	N.29
LLFS 7.50/05/180V 5.0SN BK BX	2491650000	N.31
LLFS 7.50/05/90V 5.0SN BK BX	2473030000	N.29
LLFS 7.50/06/180V 5.0SN BK BX	2491660000	N.31
LLFS 7.50/06/90V 5.0SN BK BX	2473040000	N.29
LLFS 7.50/07/180V 5.0SN BK BX	2491670000	N.31
LLFS 7.50/07/90V 5.0SN BK BX	2473050000	N.29
LLFS 7.50/08/90V 5.0SN BK BX	2473060000	N.29
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LM 3.50/03/135 3.2SN OR BX	1715020000	G.19
LM 3.50/03/90 3.2SN OR BX	1667770000	G.18
LM 3.50/04/135 3.2SN OR BX	1845220000	G.19
LM 3.50/04/90 3.2SN OR BX	1845040000	G.18
LM 3.50/05/135 3.2SN OR BX	1845230000	G.19
LM 3.50/05/90 3.2SN OR BX	1720250000	G.18
LM 3.50/06/135 3.2SN OR BX	1845240000	G.19
LM 3.50/06/90 3.2SN OR BX	1845050000	G.18
LM 3.50/07/135 3.2SN OR BX	1845250000	G.19
LM 3.50/07/90 3.2SN OR BX	1845060000	G.18
LM 3.50/08/135 3.2SN OR BX	1845260000	G.19
LM 3.50/08/90 3.2SN OR BX	1845070000	G.18
LM 3.50/09/135 3.2SN OR BX	1845270000	G.19
LM 3.50/09/90 3.2SN OR BX	1845080000	G.18
LM 3.50/10/135 3.2SN OR BX	1845280000	G.19
LM 3.50/10/90 3.2SN OR BX	1845090000	G.18
LM 3.50/11/135 3.2SN OR BX	1845290000	G.19
LM 3.50/11/90 3.2SN OR BX	1845100000	G.18
LM 3.50/12/135 3.2SN OR BX	1845300000	G.19
LM 3.50/12/90 3.2SN OR BX	1845110000	G.18
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LM 5.00/02/180 3.5SN OR BX	1715330000	G.23
LM 5.00/02/90 3.5SN OR BX	1715310000	G.22
LM 5.00/03/135 3.5SN OR BX	1715360000	G.23
LM 5.00/03/180 3.5SN OR BX	1715340000	G.23
LM 5.00/03/90 3.5SN OR BX	1715320000	G.22
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LM 5.00/05/180 3.5SN OR BX	1234240000	G.23
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LM 5.00/07/180 3.5SN OR BX	1234270000	G.23
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LM 5.00/09/180 3.5SN OR BX	1234290000	G.23
LM 5.00/09/90 3.5SN OR BX	1845350000	G.22
LM 5.00/10/135 3.5SN OR BX	1845450000	G.23
LM 5.00/10/180 3.5SN OR BX	1234310000	G.23
LM 5.00/10/90 3.5SN OR BX	1845360000	G.22
LM 5.00/11/135 3.5SN OR BX	1845460000	G.23
LM 5.00/11/180 3.5SN OR BX	1234320000	G.23
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LM 5.00/12/135 3.5SN OR BX	1845470000	G.23
LM 5.00/12/180 3.5SN OR BX	1234330000	G.23
LM 5.00/12/90 3.5SN OR BX	1845380000	G.22
LM 5.08/02/135 3.5SN OR BX	1716120000	G.25
LM 5.08/02/180 3.5SN OR BX	1716100000	G.25
LM 5.08/02/90 3.5SN OR BX	1716080000	G.24
LM 5.08/03/135 3.5SN OR BX	1716130000	G.25
LM 5.08/03/180 3.5SN OR BX	1716110000	G.25
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LM 5.08/04/180 3.5SN OR BX	9994970000	G.25
LM 5.08/04/90 3.5SN OR BX	9994130000	G.24
LM 5.08/05/135 3.5SN OR BX	9994560000	G.25
LM 5.08/05/180 3.5SN OR BX	9994980000	G.25
LM 5.08/05/90 3.5SN OR BX	9994140000	G.24
LM 5.08/06/135 3.5SN OR BX	9994570000	G.25
LM 5.08/06/180 3.5SN OR BX	9994990000	G.25
LM 5.08/06/90 3.5SN OR BX	9994150000	G.24
LM 5.08/07/135 3.5SN OR BX	9994580000	G.25
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LM 5.08/10/135 3.5SN OR BX	9994610000	G.25
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LM 5.08/11/90 3.5SN OR BX	9994200000	G.24
LM 5.08/12/135 3.5SN OR BX	9994630000	G.25
LM 5.08/12/180 3.5SN OR BX	9995050000	G.25
LM 5.08/12/90 3.5SN OR BX	9994210000	G.24
LM APL 5.08/03/135 3.5SN OR BX	2873490000	F.8
LM APL 5.08/03/90 3.5SN OR BX	2873500000	F.9
LM SPE 5.08/02/135 3.5SN OR BX	3089370000	C.13
LM SPE 5.08/03/135 3.5SN OR BX	3089380000	C.13
LM1H 5.08/02/90 3.5SN OR BX	1766360000	G.27
LM1H 5.08/03/90 3.5SN OR BX	1766370000	G.27
LM1N 3.50/02/90 3.2SN OR BX	1716710000	G.20
LM1N 3.50/03/90 3.2SN OR BX	1716720000	G.20
LM1N 5.08/02/90 3.5SN OR BX	1766300000	G.26
LM1N 5.08/03/90 3.5SN OR BX	1766310000	G.26
LM2H 5.08/04/90 3.5SN OR BX	1769240000	G.29
LM2H 5.08/06/90 3.5SN OR BX	1769250000	G.29
LM2H 5.08/08/90 3.5SN OR BX	1769260000	G.29
LM2H 5.08/10/90 3.5SN OR BX	1769270000	G.29
LM2H 5.08/12/90 3.5SN OR BX	1769280000	G.29
LM2H 5.08/14/90 3.5SN OR BX	1769290000	G.29
LM2H 5.08/16/90 3.5SN OR BX	1769300000	G.29
LM2H 5.08/18/90 3.5SN OR BX	1769310000	G.29
LM2H 5.08/20/90 3.5SN OR BX	1769320000	G.29
LM2H 5.08/22/90 3.5SN OR BX	1769330000	G.29
LM2H 5.08/24/90 3.5SN OR BX	1769340000	G.29
LM2N 3.50/04/90 3.2SN OR BX	1703700000	G.21
LM2N 3.50/06/90 3.2SN OR BX	1703710000	G.21
LM2N 3.50/08/90 3.2SN OR BX	1703720000	G.21

Type	Order No.	Page
LM2N 3.50/10/90 3.2SN OR BX	1703730000	G.21
LM2N 3.50/12/90 3.2SN OR BX	1703740000	G.21
LM2N 3.50/14/90 3.2SN OR BX	1703750000	G.21
LM2N 3.50/16/90 3.2SN OR BX	1703760000	G.21
LM2N 3.50/18/90 3.2SN OR BX	1703770000	G.21
LM2N 3.50/20/90 3.2SN OR BX	1703780000	G.21
LM2N 3.50/22/90 3.2SN OR BX	1703790000	G.21
LM2N 3.50/24/90 3.2SN OR BX	1703800000	G.21
LM2N 5.08/04/90 3.5SN OR BX	1768850000	G.28
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LM2N 5.08/08/90 3.5SN OR BX	1768870000	G.28
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LM2N 5.08/16/90 3.5SN OR BX	1768910000	G.28
LM2N 5.08/18/90 3.5SN OR BX	1768920000	G.28
LM2N 5.08/20/90 3.5SN OR BX	1768930000	G.28
LM2N 5.08/22/90 3.5SN OR BX	1768940000	G.28
LM2N 5.08/24/90 3.5SN OR BX	1768950000	G.28
LM2NZF 5.08/04/135 3.5SN OR BX	1764810000	G.98
LM2NZF 5.08/06/135 3.5SN OR BX	1764820000	G.98
LM2NZF 5.08/08/135 3.5SN OR BX	1764830000	G.98
LM2NZF 5.08/10/135 3.5SN OR BX	1764840000	G.98
LM2NZF 5.08/12/135 3.5SN OR BX	1764850000	G.98
LM2NZF 5.08/14/135 3.5SN OR BX	1764860000	G.98
LM2NZF 5.08/16/135 3.5SN OR BX	1764870000	G.98
LM2NZF 5.08/18/135 3.5SN OR BX	1764880000	G.98
LM2NZF 5.08/20/135 3.5SN OR BX	1758020000	G.98
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LM2NZF 5.08/24/135 3.5SN OR BX	1764900000	G.98
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LM3R 5.08/09/90 3.5SN OR BX	1769630000	G.29
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LM3R 5.08/21/90 3.5SN OR BX	1769670000	G.29
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LMF 5.00/03/180 3.5SN OR BX	1330190000	G.83
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LMF 5.00/04/90 3.5SN OR BX	1331720000	G.82
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LMF 5.00/06/180 3.5SN OR BX	1330220000	G.83
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LMF 5.00/07/180 3.5SN OR BX	1330230000	G.83
LMF 5.00/07/90 3.5SN OR BX	1331750000	G.82
LMF 5.00/08/180 3.5SN OR BX	1330240000	G.83
LMF 5.00/08/90 3.5SN OR BX	1331770000	G.82
LMF 5.00/09/180 3.5SN OR BX	1330250000	G.83
LMF 5.00/09/90 3.5SN OR BX	1331780000	G.82
LMF 5.00/10/180 3.5SN OR BX	1330270000	G.83
LMF 5.00/10/90 3.5SN OR BX	1331790000	G.82
LMF 5.00/11/180 3.5SN OR BX	1330280000	G.83
LMF 5.00/11/90 3.5SN OR BX	1331800000	G.82
LMF 5.00/12/180 3.5SN OR BX	1330290000	G.83
LMF 5.00/12/90 3.5SN OR BX	1331810000	G.82
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LMF 5.08/04/180 3.5SN OR BX	1331120000	G.85
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LMF 5.08/05/90 3.5SN OR BX	1330740000	G.84
LMF 5.08/06/180 3.5SN OR BX	1331160000	G.85
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LMF 5.08/07/180 3.5SN OR BX	1331180000	G.85
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LMF 5.08/08/180 3.5SN OR BX	1331200000	G.85
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LMF 5.08/09/180 3.5SN OR BX	1331220000	G.85
LMF 5.08/09/90 3.5SN OR BX	1330790000	G.84
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LMF 5.08/10/90 3.5SN OR BX	1330800000	G.84
LMF 5.08/11/180 3.5SN OR BX	1331260000	G.85
LMF 5.08/11/90 3.5SN OR BX	1330810000	G.84
LMF 5.08/12/180 3.5SN OR BX	1331280000	G.85
LMF 5.08/12/90 3.5SN OR BX	1330820000	G.84
LMF 7.50/02/180 3.5SN OR BX	2774540000	G.87
LMF 7.50/02/90 3.5SN OR BX	2667910000	G.86
LMF 7.50/03/180 3.5SN OR BX	2774550000	G.87

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LMF 7.50/03/90 3.5SN OR BX	2667920000	G.86
LMF 7.50/04/180 3.5SN OR BX	2774560000	G.87
LMF 7.50/04/90 3.5SN OR BX	2667830000	G.86
LMF 7.50/05/180 3.5SN OR BX	2774570000	G.87
LMF 7.50/05/90 3.5SN OR BX	2667840000	G.86
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LMF 7.50/12/180 3.5SN OR BX	2774640000	G.87
LMF 7.50/12/90 3.5SN OR BX	2668150000	G.86
LMF APL 5.00/03/180 3.5SN BX	2873470000	F.10
LMF APL 5.00/03/90 3.5SN BX	2873480000	F.11
LMFS 5.00/02/180 3.5SN OR BX	1330430000	G.83
LMFS 5.00/02/90 3.5SN OR BX	1331960000	G.83
LMFS 5.00/03/180 3.5SN OR BX	1330440000	G.83
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LMFV 5.00/11/90 3.5SN OR BX	2786630000	G.88
LMFV 5.00/12/90 3.5SN OR BX	2786640000	G.88
LMFV 5.00/16/90 3.5SN OR BX	2786690000	G.88

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LMFV 7.50/11/90 3.5SN OR BX	2787660000	G.89
LMFV 7.50/12/90 3.5SN OR BX	2787670000	G.89
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LMZF 10/12/135 3.50R	1953570000	G.96
LMZF 10/2/135 3.50R	1953470000	G.96
LMZF 10/3/135 3.50R	1953480000	G.96
LMZF 10/4/135 3.50R	1953490000	G.96
LMZF 10/5/135 3.50R	1953500000	G.96
LMZF 10/6/135 3.50R	1953510000	G.96
LMZF 10/7/135 3.50R	1953520000	G.96
LMZF 10/8/135 3.50R	1953530000	G.96
LMZF 10/9/135 3.50R	1953540000	G.96
LMZF 5/10/135 3.50R	1914070000	G.92
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LMZF 5/12/135 3.50R	1914090000	G.92
LMZF 5/2/135 3.50R	1913780000	G.92
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LMZF 5/4/135 3.50R	1913960000	G.92
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LMZF 5/7/135 3.50R	1914030000	G.92
LMZF 5/8/135 3.50R	1914040000	G.92
LMZF 5/9/135 3.50R	1914050000	G.92
LMZF 7/10/135 3.50R	1952650000	G.94
LMZF 7/11/135 3.50R	1952660000	G.94
LMZF 7/12/135 3.50R	1952670000	G.94
LMZF 7/2/135 3.50R	1952570000	G.94
LMZF 7/3/135 3.50R	1952580000	G.94
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LMZF 7/8/135 3.50R	1952630000	G.94
LMZF 7/9/135 3.50R	1952640000	G.94
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LS2HF 3.50/18/90 3.5SN OR BX	2001010000	G.90
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LS2HF 3.50/22/90 3.5SN OR BX	2001030000	G.90
LS2HF 3.50/24/90 3.5SN OR BX	2001040000	G.90
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LSF-SMD 3.50/05/135 SN BK RL	1473340000	G.77
LSF-SMD 3.50/05/180 SN BK RL	1250390000	G.77

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LSF-SMD 3.50/05/90 SN BK RL	1473520000	G.76
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LSF-SMD 3.50/06/180 SN BK RL	1250410000	G.77
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LSF-SMD 3.50/12/180 SN BK RL	1250470000	G.77
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LSF-SMT 3.50/02/135 3.5SN BK RL	1887340000	G.43
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LSF-SMT 3.50/05/135 3.5SN BK RL	1887460000	G.43
LSF-SMT 3.50/05/135 3.5SN BK TU	1885680000	G.42
LSF-SMT 3.50/05/180 1.5SN BK RL	1874310000	G.45

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LSF-SMT 3.50/05/180 3.5SN BK TU	1825670000	G.44
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LSF-SMT 3.50/06/135 3.5SN BK RL	1887470000	G.43
LSF-SMT 3.50/06/135 3.5SN BK TU	1885690000	G.42
LSF-SMT 3.50/06/180 1.5SN BK RL	1874320000	G.45
LSF-SMT 3.50/06/180 1.5SN BK TU	1870680000	G.44
LSF-SMT 3.50/06/180 3.5SN BK RL	1874590000	G.45
LSF-SMT 3.50/06/180 3.5SN BK TU	1825680000	G.44
LSF-SMT 3.50/06/90 1.5SN BK RL	1874810000	G.41
LSF-SMT 3.50/06/90 1.5SN BK TU	1870590000	G.40
LSF-SMT 3.50/06/90 3.5SN BK RL	1875080000	G.41
LSF-SMT 3.50/06/90 3.5SN BK TU	1824460000	G.40
LSF-SMT 3.50/07/135 1.5SN BK RL	1887650000	G.43
LSF-SMT 3.50/07/135 1.5SN BK TU	1885230000	G.42
LSF-SMT 3.50/07/135 3.5SN BK RL	1887480000	G.43
LSF-SMT 3.50/07/135 3.5SN BK TU	1885700000	G.42
LSF-SMT 3.50/07/180 1.5SN BK RL	1874340000	G.45
LSF-SMT 3.50/07/180 1.5SN BK TU	1870690000	G.44
LSF-SMT 3.50/07/180 3.5SN BK RL	1874600000	G.45
LSF-SMT 3.50/07/180 3.5SN BK TU	1825690000	G.44
LSF-SMT 3.50/07/90 1.5SN BK RL	1874840000	G.41
LSF-SMT 3.50/07/90 1.5SN BK TU	1871020000	G.40
LSF-SMT 3.50/07/90 3.5SN BK RL	1875100000	G.41
LSF-SMT 3.50/07/90 3.5SN BK TU	1824470000	G.40
LSF-SMT 3.50/08/135 1.5SN BK RL	1887660000	G.43
LSF-SMT 3.50/08/135 1.5SN BK TU	1885240000	G.42
LSF-SMT 3.50/08/135 3.5SN BK RL	1887490000	G.43
LSF-SMT 3.50/08/135 3.5SN BK TU	1885710000	G.42
LSF-SMT 3.50/08/180 1.5SN BK RL	1874350000	G.45
LSF-SMT 3.50/08/180 1.5SN BK TU	1870700000	G.44
LSF-SMT 3.50/08/180 3.5SN BK RL	1874610000	G.45
LSF-SMT 3.50/08/180 3.5SN BK TU	1825700000	G.44
LSF-SMT 3.50/08/90 1.5SN BK RL	1874890000	G.41
LSF-SMT 3.50/08/90 1.5SN BK TU	1871030000	G.40
LSF-SMT 3.50/08/90 3.5SN BK RL	1875110000	G.41
LSF-SMT 3.50/08/90 3.5SN BK TU	1824480000	G.40
LSF-SMT 3.50/09/135 1.5SN BK RL	1887670000	G.43
LSF-SMT 3.50/09/135 1.5SN BK TU	1885250000	G.42
LSF-SMT 3.50/09/135 3.5SN BK RL	1887500000	G.43
LSF-SMT 3.50/09/135 3.5SN BK TU	1885720000	G.42
LSF-SMT 3.50/09/180 1.5SN BK RL	1874370000	G.45
LSF-SMT 3.50/09/180 1.5SN BK TU	1870710000	G.44
LSF-SMT 3.50/09/180 3.5SN BK RL	1874620000	G.45
LSF-SMT 3.50/09/180 3.5SN BK TU	1825710000	G.44
LSF-SMT 3.50/09/90 1.5SN BK RL	1874900000	G.41
LSF-SMT 3.50/09/90 1.5SN BK TU	1871040000	G.40
LSF-SMT 3.50/09/90 3.5SN BK RL	1875120000	G.41
LSF-SMT 3.50/09/90 3.5SN BK TU	1824490000	G.40
LSF-SMT 3.50/10/135 1.5SN BK RL	1887680000	G.43
LSF-SMT 3.50/10/135 1.5SN BK TU	1885260000	G.42
LSF-SMT 3.50/10/135 3.5SN BK RL	1887510000	G.43
LSF-SMT 3.50/10/135 3.5SN BK TU	1885730000	G.42
LSF-SMT 3.50/10/180 1.5SN BK RL	1874380000	G.45
LSF-SMT 3.50/10/180 1.5SN BK TU	1870720000	G.44
LSF-SMT 3.50/10/180 3.5SN BK RL	1874640000	G.45
LSF-SMT 3.50/10/180 3.5SN BK TU	1825720000	G.44
LSF-SMT 3.50/10/90 1.5SN BK RL	1874930000	G.41
LSF-SMT 3.50/10/90 1.5SN BK TU	1871050000	G.40
LSF-SMT 3.50/10/90 3.5SN BK RL	1875130000	G.41
LSF-SMT 3.50/10/90 3.5SN BK TU	1824500000	G.40
LSF-SMT 3.50/11/135 1.5SN BK RL	1887690000	G.43
LSF-SMT 3.50/11/135 1.5SN BK TU	1885270000	G.42
LSF-SMT 3.50/11/135 3.5SN BK RL	1887520000	G.43
LSF-SMT 3.50/11/135 3.5SN BK TU	1885740000	G.42
LSF-SMT 3.50/11/180 1.5SN BK RL	1874400000	G.45
LSF-SMT 3.50/11/180 1.5SN BK TU	1870730000	G.44
LSF-SMT 3.50/11/180 3.5SN BK RL	1874660000	G.45
LSF-SMT 3.50/11/180 3.5SN BK TU	1825730000	G.44
LSF-SMT 3.50/11/90 1.5SN BK RL	1874940000	G.41
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LSF-SMT 3.50/11/90 3.5SN BK RL	1875140000	G.41
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LSF-SMT 3.50/12/135 1.5SN BK TU	1885280000	G.42
LSF-SMT 3.50/12/135 3.5SN BK RL	1887530000	G.43
LSF-SMT 3.50/12/135 3.5SN BK TU	1885750000	G.42
LSF-SMT 3.50/12/180 1.5SN BK RL	1874420000	G.45
LSF-SMT 3.50/12/180 1.5SN BK TU	1870740000	G.44
LSF-SMT 3.50/12/180 3.5SN BK RL	1874680000	G.45
LSF-SMT 3.50/12/180 3.5SN BK TU	1825740000	G.44
LSF-SMT 3.50/12/90 1.5SN BK RL	1874970000	G.41
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LSF-SMT 3.50/12/90 3.5SN BK RL	1875160000	G.41
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LSF-SMT 3.81/02/135 1.5SN BK TU	1885410000	G.48
LSF-SMT 3.81/02/135 3.5SN BK RL	1888320000	G.49
LSF-SMT 3.81/02/135 3.5SN BK TU	1885880000	G.48
LSF-SMT 3.81/02/180 1.5SN BK RL	1875320000	G.51
LSF-SMT 3.81/02/180 1.5SN BK TU	1869890000	G.50
LSF-SMT 3.81/02/180 3.5SN BK RL	1875550000	G.51
LSF-SMT 3.81/02/180 3.5SN BK TU	1825790000	G.50
LSF-SMT 3.81/02/90 1.5SN BK RL	1875170000	G.47
LSF-SMT 3.81/02/90 1.5SN BK TU	1869360000	G.46
LSF-SMT 3.81/02/90 3.5SN BK RL	1875920000	G.47
LSF-SMT 3.81/02/90 3.5SN BK TU	1824620000	G.46
LSF-SMT 3.81/03/135 1.5SN BK RL	1888460000	G.49
LSF-SMT 3.81/03/135 1.5SN BK TU	1885420000	G.48
LSF-SMT 3.81/03/135 3.5SN BK RL	1888330000	G.49
LSF-SMT 3.81/03/135 3.5SN BK TU	1885890000	G.48
LSF-SMT 3.81/03/180 1.5SN BK RL	1875330000	G.51
LSF-SMT 3.81/03/180 1.5SN BK TU	1869900000	G.50
LSF-SMT 3.81/03/180 3.5SN BK RL	1875570000	G.51
LSF-SMT 3.81/03/180 3.5SN BK TU	1825800000	G.50
LSF-SMT 3.81/03/90 1.5SN BK RL	1875230000	G.47
LSF-SMT 3.81/03/90 1.5SN BK TU	1869370000	G.46
LSF-SMT 3.81/03/90 3.5SN BK RL	1875930000	G.47
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LSF-SMT 3.81/04/135 3.5SN BK RL	1888340000	G.49
LSF-SMT 3.81/04/135 3.5SN BK TU	1885900000	G.48
LSF-SMT 3.81/04/180 1.5SN BK RL	1875340000	G.51
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LSF-SMT 3.81/04/90 1.5SN BK RL	1875240000	G.47
LSF-SMT 3.81/04/90 1.5SN BK TU	1869380000	G.46
LSF-SMT 3.81/04/90 3.5SN BK RL	1875940000	G.47
LSF-SMT 3.81/04/90 3.5SN BK TU	1824640000	G.46
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LSF-SMT 3.81/05/90 3.5SN BK TU	1824650000	G.46
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LSF-SMT 3.81/06/135 3.5SN BK RL	1888390000	G.49
LSF-SMT 3.81/06/135 3.5SN BK TU	1885920000	G.48
LSF-SMT 3.81/06/180 1.5SN BK RL	1875360000	G.51
LSF-SMT 3.81/06/180 1.5SN BK TU	1869930000	G.50
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LSF-SMT 3.81/06/90 1.5SN BK RL	1875260000	G.47
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LSF-SMT 3.81/06/90 3.5SN BK RL	1875960000	G.47
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LSF-SMT 3.81/07/135 3.5SN BK RL	1888400000	G.49
LSF-SMT 3.81/07/135 3.5SN BK TU	1885930000	G.48
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LSF-SMT 3.81/07/90 3.5SN BK RL	1875970000	G.47
LSF-SMT 3.81/07/90 3.5SN BK TU	1824690000	G.46
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LSF-SMT 3.81/08/135 3.5SN BK RL	1888410000	G.49
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LSF-SMT 3.81/09/90 3.5SN BK TU	1824710000	G.46
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LSF-SMT 3.81/10/135 1.5SN BK TU	1885490000	G.48
LSF-SMT 3.81/10/135 3.5SN BK RL	1888430000	G.49
LSF-SMT 3.81/10/135 3.5SN BK TU	1885960000	G.48
LSF-SMT 3.81/10/180 1.5SN BK RL	1875400000	G.51
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LSF-SMT 3.81/11/135 3.5SN BK RL	1888440000	G.49
LSF-SMT 3.81/11/135 3.5SN BK TU	1885970000	G.48
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LSF-SMT 3.81/11/180 3.5SN BK RL	1875810000	G.51
LSF-SMT 3.81/11/180 3.5SN BK TU	1825890000	G.50
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LSF-SMT 3.81/12/135 1.5SN BK TU	1885520000	G.48
LSF-SMT 3.81/12/135 3.5SN BK TU	1885980000	G.48
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LSF-SMT 3.81/12/90 3.5SN BK TU	1825300000	G.46
LSF-SMT 5.00/02/135 1.5SN BK RL	1888570000	G.55
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LSF-SMT 5.00/02/135 3.5SN BK RL	1888640000	G.55
LSF-SMT 5.00/02/135 3.5SN BK TU	1884340000	G.54
LSF-SMT 5.00/02/180 1.5SN BK RL	1876020000	G.57
LSF-SMT 5.00/02/180 1.5SN BK TU	1870140000	G.56
LSF-SMT 5.00/02/180 3.5SN BK RL	1876110000	G.57
LSF-SMT 5.00/02/180 3.5SN BK TU	1825960000	G.56
LSF-SMT 5.00/02/90 1.5SN BK RL	1876240000	G.53
LSF-SMT 5.00/02/90 1.5SN BK TU	1869600000	G.52
LSF-SMT 5.00/02/90 3.5SN BK RL	1876430000	G.53
LSF-SMT 5.00/02/90 3.5SN BK TU	1824740000	G.52
LSF-SMT 5.00/03/135 1.5SN BK RL	1888580000	G.55
LSF-SMT 5.00/03/135 1.5SN BK TU	1884540000	G.54
LSF-SMT 5.00/03/135 3.5SN BK RL	1888650000	G.55
LSF-SMT 5.00/03/135 3.5SN BK TU	1884370000	G.54
LSF-SMT 5.00/03/180 1.5SN BK RL	1876030000	G.57
LSF-SMT 5.00/03/180 1.5SN BK TU	1870150000	G.56
LSF-SMT 5.00/03/180 3.5SN BK RL	1876130000	G.57
LSF-SMT 5.00/03/180 3.5SN BK TU	1825970000	G.56
LSF-SMT 5.00/03/90 1.5SN BK RL	1876260000	G.53
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LSF-SMT 5.00/03/90 3.5SN BK RL	1876510000	G.53
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LSF-SMT 5.00/04/135 1.5SN BK RL	1888590000	G.55
LSF-SMT 5.00/04/135 1.5SN BK TU	1884550000	G.54
LSF-SMT 5.00/04/135 3.5SN BK RL	1888660000	G.55
LSF-SMT 5.00/04/135 3.5SN BK TU	1884380000	G.54
LSF-SMT 5.00/04/180 1.5SN BK RL	1876050000	G.57
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LSF-SMT 5.00/04/180 3.5SN BK RL	1876140000	G.57
LSF-SMT 5.00/04/180 3.5SN BK TU	1825980000	G.56
LSF-SMT 5.00/04/90 1.5SN BK RL	1876270000	G.53
LSF-SMT 5.00/04/90 1.5SN BK TU	1869620000	G.52
LSF-SMT 5.00/04/90 3.5SN BK RL	1876530000	G.53
LSF-SMT 5.00/04/90 3.5SN BK TU	1824760000	G.52
LSF-SMT 5.00/05/135 1.5SN BK RL	1888600000	G.55
LSF-SMT 5.00/05/135 1.5SN BK TU	1884560000	G.54
LSF-SMT 5.00/05/135 3.5SN BK RL	1888670000	G.55
LSF-SMT 5.00/05/135 3.5SN BK TU	1884390000	G.54
LSF-SMT 5.00/05/180 1.5SN BK RL	1876060000	G.57
LSF-SMT 5.00/05/180 1.5SN BK TU	1870170000	G.56
LSF-SMT 5.00/05/180 3.5SN BK RL	1876160000	G.57
LSF-SMT 5.00/05/180 3.5SN BK TU	1825990000	G.56
LSF-SMT 5.00/05/90 1.5SN BK RL	1876280000	G.53
LSF-SMT 5.00/05/90 1.5SN BK TU	1869630000	G.52
LSF-SMT 5.00/05/90 3.5SN BK RL	1876550000	G.53
LSF-SMT 5.00/05/90 3.5SN BK TU	1824770000	G.52
LSF-SMT 5.00/06/135 1.5SN BK RL	1888610000	G.55
LSF-SMT 5.00/06/135 1.5SN BK TU	1884570000	G.54
LSF-SMT 5.00/06/135 3.5SN BK RL	1888680000	G.55
LSF-SMT 5.00/06/135 3.5SN BK TU	1884400000	G.54
LSF-SMT 5.00/06/180 1.5SN BK RL	1876070000	G.57
LSF-SMT 5.00/06/180 1.5SN BK TU	1870180000	G.56
LSF-SMT 5.00/06/180 3.5SN BK RL	1876200000	G.57
LSF-SMT 5.00/06/180 3.5SN BK TU	1826000000	G.56
LSF-SMT 5.00/06/90 1.5SN BK RL	1876300000	G.53
LSF-SMT 5.00/06/90 1.5SN BK TU	1869640000	G.52
LSF-SMT 5.00/06/90 3.5SN BK RL	1876560000	G.53
LSF-SMT 5.00/06/90 3.5SN BK TU	1824780000	G.52
LSF-SMT 5.00/07/135 1.5SN BK RL	1888620000	G.55
LSF-SMT 5.00/07/135 1.5SN BK TU	1884580000	G.54
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LSF-SMT 5.00/07/180 1.5SN BK TU	1870190000	G.56
LSF-SMT 5.00/07/180 3.5SN BK RL	1876220000	G.57
LSF-SMT 5.00/07/180 3.5SN BK TU	1826010000	G.56
LSF-SMT 5.00/07/90 1.5SN BK RL	1876330000	G.53
LSF-SMT 5.00/07/90 1.5SN BK TU	1869650000	G.52
LSF-SMT 5.00/07/90 3.5SN BK RL	1876540000	G.53
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LSF-SMT 5.00/08/135 1.5SN BK RL	1888630000	G.55
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LSF-SMT SPE 3.50/02/135 3.5SN BK TU	3077550000	C.13
LSF-SMT SPE 3.50/03/135 3.5SN BK TU	3077560000	C.13
LSF-SMT SPE 5.00/02/135 3.5SN BK TU	3077570000	C.13
LSF-SMT SPE 5.00/03/135 3.5SN BK TU	3077630000	C.13
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LU 10.16/03/90 4.5SN BK BX	1921450000	N.18
LU 10.16/04/90 4.5SN BK BX	1226220000	N.18
LU 10.16/05/90 4.5SN BK BX	1226230000	N.18
LU 10.16/06/90 4.5SN BK BX	1226240000	N.18
LU 10.16/07/90 4.5SN BK BX	1226250000	N.18
LU 10.16/08/90 4.5SN BK BX	1226260000	N.18
LU 10.16/09/90 4.5SN BK BX	1226270000	N.18
LU 10.16/10/90 4.5SN BK BX	1226280000	N.18
LUF 10.00/01/90 5.0SN BK BX	1988590000	N.32
LUF 10.00/02/90 5.0SN BK BX	1988600000	N.32
LUF 10.00/02/90V 5.0SN BK BX	2453690000	N.33
LUF 10.00/03/90 5.0SN BK BX	1988610000	N.32
LUF 10.00/03/90V 5.0SN BK BX	2453700000	N.33
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LUF 10.00/06/90 5.0SN BK BX	1988640000	N.32
LUF 10.00/06/90V 5.0SN BK BX	2453730000	N.33
LUF 10.00/07/90 5.0SN BK BX	1988650000	N.32
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LUF 15.00/08/90V 5.0SN BK BX	2492060000	N.39
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LUFS 10.00/01/90 5.0SN BK BX	2500560000	N.34
LUFS 10.00/02/180V 5.0SN BK BX	2492110000	N.37
LUFS 10.00/02/90V 5.0SN BK BX	2499430000	N.35
LUFS 10.00/03/180V 5.0SN BK BX	2492120000	N.37
LUFS 10.00/03/90V 5.0SN BK BX	2500460000	N.35
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LUFS 15.00/04/180V 5.0SN BK BX	2492230000	N.41
LUFS 15.00/04/90V 5.0SN BK BX	2500580000	N.40
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LUP 10.16/03/90 5.0SN BK BX	2014060000	N.19
LUP 10.16/03/90V 5.0SN BK BX	2012890000	N.20
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LUP 10.16/04/90V 5.0SN BK BX	2013870000	N.20
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LUP 10.16/05/90V 5.0SN BK BX	2013880000	N.20
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LX 15.00/03/90 4.5SN BK BX	1174720000	N.22
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LX 15.00/06/90 4.5SN BK BX	1226500000	N.22
LXXX 15.00/01/90 4.5SN BK BX	1047120000	N.24
LXXX 15.00/01/90F 4.5SN BK BX	1047280000	N.25
LXXX 15.00/01/90FL 4.5SN BK BX	1047440000	N.25
LXXX 15.00/01/90FR 4.5SN BK BX	1047600000	N.25
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LXXX 15.00/02/90FL 4.5SN BK BX	1047450000	N.25
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LXXX 15.00/04/90F 4.5SN BK BX	1047310000	N.25
LXXX 15.00/04/90FL 4.5SN BK BX	1047470000	N.25
LXXX 15.00/04/90FR 4.5SN BK BX	1047630000	N.25

M

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MHS 5/02 W T3 B T	8000072497	B.18
MHS 5/03 H T3 B T	2741420000	B.16
MHS 5/03 V T3 B T	8000072430	B.17
MHS 5/03 W T3 B T	8000072503	B.18
MHS 5/04 H T3 B T	2741430000	B.16
MHS 5/04 V T3 B T	8000072431	B.17
MHS 5/04 W T3 B T	8000072506	B.18
MHS 5/05 H T3 B T	2741440000	B.16
MHS 5/05 V T3 B T	8000072435	B.17
MHS 5/05 W T3 B T	8000072508	B.18
MHS 5/06 H T3 B T	2741450000	B.16
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MHS 5/07 H T3 B T	2741460000	B.16
MHS 5/07 V T3 B T	8000072450	B.17
MHS 5/07 W T3 B T	8000072510	B.18
MHS 5/08 H T3 B T	2741470000	B.16
MHS 5/08 V T3 B T	8000072453	B.17
MHS 5/08 W T3 B T	8000072511	B.18
MHS 5/09 H T3 B T	2741480000	B.16
MHS 5/09 V T3 B T	8000072454	B.17
MHS 5/09 W T3 B T	8000072512	B.18
MHS 5/10 H T3 B T	2741490000	B.16
MHS 5/10 V T3 B T	8000072456	B.17
MHS 5/10 W T3 B T	8000072513	B.18
MHS 5/11 H T3 B T	2741500000	B.16
MHS 5/11 V T3 B T	8000072461	B.17
MHS 5/11 W T3 B T	8000072514	B.18
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MHS 5/12 V T3 B T	8000072470	B.17
MHS 5/12 W T3 B T	8000072515	B.18
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MHS 6/02 V T3 B T	3106930000	B.27
MHS 6/03 H T3 B T	3128900000	B.26
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MHS 6/07 V T3 B T	3128970000	B.27
MHS 6/08 H T3 B T	3106910000	B.26
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MHS 6/09 H T3 B T	3106920000	B.26
MHS 6/09 V T3 B T	3106960000	B.27
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MHS 7S/02 V T3 B T	8000078314	B.22
MHS 7S/02 W T3 B T	8000078321	B.23
MHS 7S/02-5/02 H T3 B T	8000078335	B.30
MHS 7S/02-5/03 H T3 B T	8000078338	B.30
MHS 7S/02-5/04 H T3 B T	8000078341	B.30
MHS 7S/03 H T3 B T	8000078308	B.21
MHS 7S/03 V T3 B T	8000078315	B.22
MHS 7S/03 W T3 B T	8000078322	B.23
MHS 7S/03-5/02 H T3 B T	8000078336	B.30
MHS 7S/03-5/03 H T3 B T	8000078339	B.30
MHS 7S/03-5/04 H T3 B T	8000078342	B.30
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MHS 7S/04 W T3 B T	8000078323	B.23
MHS 7S/04-5/02 H T3 B T	8000078337	B.30
MHS 7S/04-5/03 H T3 B T	8000078340	B.30
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MHS 7S/05 V T3 B T	8000078317	B.22
MHS 7S/05 W T3 B T	8000078324	B.23
MHS 7S/06 H T3 B T	8000078311	B.21
MHS 7S/06 V T3 B T	8000078318	B.22
MHS 7S/06 W T3 B T	8000078325	B.23
MHS 7S/07 H T3 B T	8000078312	B.21
MHS 7S/07 V T3 B T	8000078319	B.22
MHS 7S/07 W T3 B T	8000078326	B.23
MHS 7S/08 H T3 B T	8000078313	B.21
MHS 7S/08 V T3 B T	8000078320	B.22
MHS 7S/08 W T3 B T	8000078327	B.23
MOFU 35/LO/1 SW	0646210000	S.51
MPS 5/02 S F1 TN B B	2741670000	B.20
MPS 5/02 S TN B B	2741560000	B.19
MPS 5/03 S F2 TN B B	2741680000	B.20
MPS 5/03 S TN B B	2741570000	B.19
MPS 5/04 S F2 TN B B	2741690000	B.20
MPS 5/04 S TN B B	2741580000	B.19
MPS 5/05 S F3 TN B B	2741700000	B.20
MPS 5/05 S TN B B	2741590000	B.19
MPS 5/06 S F3 TN B B	2741710000	B.20
MPS 5/06 S TN B B	2741600000	B.19
MPS 5/07 S F4 TN B B	2741720000	B.20
MPS 5/07 S TN B B	2741610000	B.19
MPS 5/08 S F4 TN B B	2741730000	B.20
MPS 5/08 S TN B B	2741620000	B.19
MPS 5/09 S F5 TN B B	2741740000	B.20
MPS 5/09 S TN B B	2741630000	B.19
MPS 5/10 S F5 TN B B	2741750000	B.20
MPS 5/10 S TN B B	2741640000	B.19
MPS 5/11 S F6 TN B B	2741760000	B.20
MPS 5/11 S TN B B	2741650000	B.19
MPS 5/12 S F6 TN B B	2741770000	B.20
MPS 5/12 S TN B B	2741660000	B.19
MPS 6/02 S LF TN B B	3106860000	B.29
MPS 6/02 S TN B B	3106830000	B.28
MPS 6/03 S LF TN B B	8000168328	B.29
MPS 6/03 S TN B B	8000168132	B.28
MPS 6/04 S LF TN B B	3106870000	B.29
MPS 6/04 S TN B B	3106840000	B.28
MPS 6/05 S LF TN B B	8000168329	B.29
MPS 6/05 S TN B B	8000168133	B.28
MPS 6/06 S LF TN B B	8000168330	B.29
MPS 6/06 S TN B B	8000168135	B.28
MPS 6/07 S LF TN B B	8000168331	B.29
MPS 6/07 S TN B B	8000168136	B.28
MPS 6/08 S LF TN B B	3106880000	B.29

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MPS 6/08 S TN B B	8000168138	B.28
MPS 6/09 S TN B B	3106850000	B.28
MPS 7S/02 S F1 TN B B	8000078353	B.25
MPS 7S/02 S TN B B	8000078328	B.24
MPS 7S/02-5/02 S TN B B	8000078344	B.31
MPS 7S/02-5/03 S TN B B	8000078347	B.31
MPS 7S/02-5/04 S TN B B	8000078350	B.31
MPS 7S/03 S F2 TN B B	8000078354	B.25
MPS 7S/03 S TN B B	8000078329	B.24
MPS 7S/03-5/02 S TN B B	8000078345	B.31
MPS 7S/03-5/03 S TN B B	8000078348	B.31
MPS 7S/03-5/04 S TN B B	8000078351	B.31
MPS 7S/04 S F2 TN B B	8000078355	B.25
MPS 7S/04 S TN B B	8000078330	B.24
MPS 7S/04-5/02 S TN B B	8000078346	B.31
MPS 7S/04-5/03 S TN B B	8000078349	B.31
MPS 7S/04-5/04 S TN B B	8000078352	B.31
MPS 7S/05 S F3 TN B B	8000078356	B.25
MPS 7S/05 S TN B B	8000078331	B.24
MPS 7S/06 S F3 TN B B	8000078357	B.25
MPS 7S/06 S TN B B	8000078332	B.24
MPS 7S/07 S F4 TN B B	8000078358	B.25
MPS 7S/07 S TN B B	8000078333	B.24
MPS 7S/08 S F4 TN B B	8000078359	B.25
MPS 7S/08 S TN B B	8000078334	B.24
MPS APL 5/03 S F2 TN B B D D	8000094097	F.6
MTA 30 BK	1168970000	S.51
MTA 45 BK	1962250000	S.51
MTS 5/02 H T4 B T	2913600000	B.32
MTS 5/02 V T4 B T	2913710000	B.33
MTS 5/03 H T4 B T	2913610000	B.32
MTS 5/03 V T4 B T	2913720000	B.33
MTS 5/04 H T4 B T	2913620000	B.32
MTS 5/04 V T4 B T	2913730000	B.33
MTS 5/05 H T4 B T	2913630000	B.32
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MTS 5/07 H T4 B T	2913650000	B.32
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MTS 5/10 V T4 B T	2913790000	B.33
MTS 5/11 H T4 B T	2913690000	B.32
MTS 5/11 V T4 B T	2913800000	B.33
MTS 5/12 H T4 B T	2913700000	B.32
MTS 5/12 V T4 B T	2913810000	B.33
MTS 7S/02 H T4 B T	3124610000	B.34
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MTS 7S/07 V T4 B T	3124730000	B.35
MTS 7S/08 H T4 B T	3124670000	B.34
MTS 7S/08 V T4 B T	3124740000	B.35
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MTS SPE 5/02 V T4 B T	3095920000	C.13
MTS SPE 5/03 H T4 B T	3095910000	C.13
MTS SPE 5/03 V T4 B T	3095980000	C.13

P

PB-CO RD	2654620000	P.4
PB-CON 160 S/02/90RFSF AG BK BX	2594720000	P.4
PB-CON IKSC M4X8 A2	2708610000	P.4
PB-CON SF DELTA PT 40X12	2708620000	P.4
PB-ENDCAP 160 02RF BK BX	2594970000	P.4
PB-FEED 160 100/02RF AG BK BX	2595180000	P.5
PB-FEED 160 50/02RF AG BK BX	2594950000	P.5
PB-LINK 160 100/02RF AG BK BX	2594960000	P.5
PB-LINK 160 50/02RF AG BK BX	2595540000	P.5
PF RS 100 GR 2000MM	4010870000	S.49
PF RS 100 OR 2000MM	4144870000	S.49
PF RS 122 OR 2000MM	1155940000	S.50
PF RS 80 GR 2000MM	4183130000	S.48
PF RS 80 OR 2000MM	4157440000	S.48
PGK 4 BK	1288470000	Q.10
PGK 4 BT BK	1288590000	Q.11
PM 5.00/02/90 3.5SN OR BX	1791610000	G.38
PM 5.00/03/90 3.5SN OR BX	1791620000	G.38
PM 5.00/04/90 3.5SN OR BX	1234650000	G.38
PM 5.00/05/90 3.5SN OR BX	1234670000	G.38
PM 5.00/06/90 3.5SN OR BX	1234680000	G.38
PM 5.00/07/90 3.5SN OR BX	1234690000	G.38
PM 5.00/08/90 3.5SN OR BX	1234700000	G.38
PM 5.00/09/90 3.5SN OR BX	1234710000	G.38
PM 5.00/10/90 3.5SN OR BX	1234720000	G.38
PM 5.00/11/90 3.5SN OR BX	1234730000	G.38
PM 5.00/12/90 3.5SN OR BX	1234740000	G.38
PM 5.08/02/90 3.5SN OR BX	1760490000	G.39
PM 5.08/03/90 3.5SN OR BX	1760500000	G.39
PM 5.08/04/90 3.5SN OR BX	1234550000	G.39
PM 5.08/05/90 3.5SN OR BX	1234570000	G.39
PM 5.08/06/90 3.5SN OR BX	1234580000	G.39
PM 5.08/07/90 3.5SN OR BX	1234590000	G.39
PM 5.08/08/90 3.5SN OR BX	1234600000	G.39
PM 5.08/09/90 3.5SN OR BX	1234610000	G.39
PM 5.08/10/90 3.5SN OR BX	1234620000	G.39
PM 5.08/11/90 3.5SN OR BX	1234630000	G.39
PM 5.08/12/90 3.5SN OR BX	1234640000	G.39
PS 2.0 MC	0310000000	G.82
PS 2.0 MC	0310000000	G.84
PS 2.0 MC	0310000000	M.12
PS 2.0 MC	0310000000	N.19
PS 2.0 MC	0310000000	N.20
PS 2.0 MC	0310000000	N.21
PS 2.0 MC	0310000000	N.22
PS 2.0 MC	0310000000	N.24
PS 2.0 MC	0310000000	N.26
PS 2.0 MC	0310000000	N.27
PS 2.0 MC	0310000000	N.28
PS 2.0 MC	0310000000	N.29
PS 2.0 MC	0310000000	N.30
PS 2.0 MC	0310000000	N.31
PS 2.0 MC	0310000000	N.32
PS 2.0 MC	0310000000	N.33
PS 2.0 MC	0310000000	N.34
PS 2.0 MC	0310000000	N.35
PS 2.0 MC	0310000000	N.36
PS 2.0 MC	0310000000	N.37
PS 2.0 MC	0310000000	N.38
PS 2.0 MC	0310000000	N.39
PS 2.0 MC	0310000000	N.40
PS 2.0 MC	0310000000	N.41
PS 2.0 MC	0310000000	R.6
PS 2.3 RT	0180400000	Q.10
PTSC KA 2.2X4.5 WN1412	1610740000	I.14
PTSC KA 2.2X4.5 WN1412	1610740000	I.16
PTSC KA 2.2X4.5 WN1412	1610740000	I.30
PTSC KA 2.2X4.5 WN1412	1610740000	I.36
PTSC KA 2.2X4.5 WN1412	1610740000	I.38
PTSC KA 2.2X4.5 WN1412	1610740000	J.18
PTSC KA 2.2X4.5 WN1412	1610740000	J.24
PTSC KA 2.2X4.5 WN1412	1610740000	J.28
PTSC KA 2.2X4.5 WN1412	1610740000	J.36
PTSC KA 2.2X4.5 WN1412	1610740000	J.42
PTSC KB40X14	4019420000	S.49
PZ 1.5	9005990000	I.12
PZ 1.5	9005990000	I.18
PZ 1.5	9005990000	I.54
PZ 1.5	9005990000	I.56
PZ 1.5	9005990000	I.58
PZ 1.5	9005990000	I.60
PZ 1.5	9005990000	J.54
PZ 1.5	9005990000	J.56
PZ 6/5	9011460000	I.12
PZ 6/5	9011460000	I.18
PZ 6/5	9011460000	I.54
PZ 6/5	9011460000	I.56
PZ 6/5	9011460000	I.58
PZ 6/5	9011460000	I.60
PZ 6/5	9011460000	J.54
PZ 6/5	9011460000	J.56
PZ 6/5	9011460000	O.34
PZ 6/5	9011460000	O.36
PZ 6/5	9011460000	O.38
PZ 6/5	9011460000	O.40
PZ 6/5	9011460000	O.42
PZ 6/5	9011460000	O.44
PZ 6/5	9011460000	O.46
PZ 6/5	9011460000	O.50
PZ 6/5	9011460000	O.52
PZ 6/5	9011460000	O.112
PZ 6/5	9011460000	O.144
PZ 6/5	9011460000	O.146
PZ 6/5	9011460000	O.148
PZ 6/5	9011460000	O.150
PZ 6/5	9011460000	O.152
PZ 6/5	9011460000	O.154
PZ 6/5	9011460000	O.156
PZ 6/5	9011460000	O.158
PZ 6/5	9011460000	O.166
PZ 6/5	9011460000	O.168
PZ 6/5	9011460000	O.170
PZ 6/5	9011460000	O.172
PZ 6/5	9011460000	O.174
PZ 6/5	9011460000	O.176
PZ 6/5	9011460000	Q.10

R

RA MCZ1.5 DKBG 1674	2224240000	S.43
RF 108 OR 2000	1020690000	S.50
RF 180 BK 9011	1057530000	S.48
RF 180 BK 9011	1057530000	S.49
RF 180 GR 7032	1773400000	S.48
RF 180 GR 7032	1773400000	S.49
RF 180 OR 2000	1324460000	S.48
RF 180 OR 2000	1324460000	S.49
RJ45C5 R1D 1.9E4G/Y RL	3139090000	D.15
RJ45C5 R1D 3.2E4G/Y RL	2562870000	D.14
RJ45C5 R1D 3.3E4N RL	2562910000	D.15
RJ45C5 R1U 2.2N4N RL	3066290000	D.17
RJ45C5 R1U 2.8E4N RL	2562930000	D.16
RJ45C5 R1U 2.8N4G/Y RL	2562950000	D.17
RJ45C5 R1V 3.2N4G/Y RL	2745360000	D.13
RJ45C5 R1V 3.2N4G/Y TY	2516380000	D.12
RJ45C5 R1V 3.2N4N RL	2562970000	D.13
RJ45C5 S1D 2.7N4N RL	2000890000	D.8
RJ45C5 S1D 2.7N4N RL	1433890000	D.9
RJ45C5 S1V 2.7E4N RL	2514600000	D.7
RJ45C5 S1V 2.7N4N RL	1433900000	D.6
RJ45C5 T1D 3.2E4G/Y TY	2562820000	D.21
RJ45C5 T1D 3.3E4N TY	2562900000	D.21
RJ45C5 T1D 3.3N4N TY	1433800000	D.20
RJ45C5 T1U 2.8E4G/Y TY	2562880000	D.23
RJ45C5 T1U 2.8E4N TY	2562920000	D.23
RJ45C5 T1U 2.8N4N TY	1455240000	D.23
RJ45C5 T1V 3.2N4G/Y TY	2562960000	D.18
RJ45C5 T1V 3.2N4N TY	1433810000	D.19
RJ45C5 T1V 4.0N4N TY	2436450000	D.19
RJ45C5E S1U 0.9N4N RL	1455220000	D.10
RJ45C5E S1U DE4G/Y RL	2562890000	D.11
RJ45C5E S1U DE4N RL	2562940000	D.11
RJ45C6 T1U 2.7N4N TY	1433910000	D.22
RJ45G R1V 1.9N4YG/YG RL	2562160000	D.28
RJ45G1 R12D 3.2N4YG/YG RL	2485370000	D.33
RJ45G1 R12D 3.3E4G/Y TY	2544500000	D.32
RJ45G1 R1D 3.3E4G/Y TY	2544510000	D.30
RJ45M R12D 3.2N4G/Y RL	2551900000	D.33
RJ45M R1D 3.3N4G/Y RL	2862920000	D.31
RJ45M R1V 1.9N4YG/YG RL	2562150000	D.29
RJ45M R1V 3.3N4Y/G TY	2461070000	D.29
RJ45M S1D DE4N RL	2564450000	D.26
RJ45M T12D 3.3E4G/Y RL	2036460000	D.34
RSV1,6 B12 GR	1416000000	L.15
RSV1,6 B18 GR	1417000000	L.15
RSV1,6 B24 GR	1418000000	L.15
RSV1,6 B36 GR BX	1419000000	L.15
RSV1,6 B4 GR	1413000000	L.15
RSV1,6 B6 GR	1414000000	L.15
RSV1,6 B9 GR	1415000000	L.15
RSV1,6 KO	1567430000	L.6
RSV1,6 KO	1567430000	L.8
RSV1,6 KO	1567430000	L.10
RSV1,6 KO	1567430000	L.12
RSV1,6 KO	1567430000	L.14
RSV1,6 KO	1567430000	M.11
RSV1,6 LB12 GR 3,2 AU	1443200000	L.12
RSV1,6 LB12 GR 3,2 SN	1443300000	L.8
RSV1,6 LB18 GR 3,2 AU	1444200000	L.12
RSV1,6 LB18 GR 3,2 SN	1444300000	L.8
RSV1,6 LB24 GR 3,2 AU	1445200000	L.12
RSV1,6 LB24 GR 3,2 SN	1445300000	L.8
RSV1,6 LB36 GR 3,2 AU	1446200000	L.12
RSV1,6 LB36 GR 3,2 SN	1446300000	L.8
RSV1,6 LB4 GR 3,2 AU	1440200000	L.12
RSV1,6 LB4 GR 3,2 SN	1440300000	L.8
RSV1,6 LB6 GR 3,2 AU	1441200000	L.12
RSV1,6 LB6 GR 3,2 SN	1441300000	L.8
RSV1,6 LB9 GR 3,2 AU	1442200000	L.12
RSV1,6 LB9 GR 3,2 SN	1442300000	L.8
RSV1,6 LBF12 GR 3,2 AU	1443600000	L.13
RSV1,6 LBF12 GR 3,2 SN	1443700000	L.9
RSV1,6 LBF18 GR 3,2 AU	1444600000	L.13
RSV1,6 LBF18 GR 3,2 SN	1444700000	L.9
RSV1,6 LBF24 GR 3,2 AU	1445600000	L.13
RSV1,6 LBF24 GR 3,2 SN	1445700000	L.9
RSV1,6 LBF36 GR 3,2 AU	1446600000	L.13
RSV1,6 LBF36 GR 3,2 SN	1446700000	L.9
RSV1,6 LBF4 GR 3,2 AU	1440600000	L.13
RSV1,6 LBF4 GR 3,2 SN	1440700000	L.9
RSV1,6 LBF6 GR 3,2 AU	1441600000	L.13
RSV1,6 LBF6 GR 3,2 SN	1441700000	L.9
RSV1,6 LBF9 GR 3,2 AU	1442600000	L.13
RSV1,6 LBF9 GR 3,2 SN	1442700000	L.9
RSV1,6 LS12 GR 3,2 AU	1443400000	L.10
RSV1,6 LS12 GR 3,2 SN	1443500000	L.6
RSV1,6 LS18 GR 3,2 AU	1444400000	L.10
RSV1,6 LS18 GR 3,2 SN	1444500000	L.6
RSV1,6 LS24 GR 3,2 AU	1445400000	L.10
RSV1,6 LS24 GR 3,2 SN	1445500000	L.6
RSV1,6 LS36 GR 3,2 AU	1446400000	L.10
RSV1,6 LS36 GR 3,2 SN	1446500000	L.6
RSV1,6 LS4 GR 3,2 AU	1440400000	L.10
RSV1,6 LS4 GR 3,2 SN	1440500000	L.6
RSV1,6 LS6 GR 3,2 AU	1441400000	L.10
RSV1,6 LS6 GR 3,2 SN	1441500000	L.6
RSV1,6 LS9 GR 3,2 AU	1442400000	L.10
RSV1,6 LS9 GR 3,2 SN	1442500000	L.6
RSV1,6 LSF12 GR 3,2 AU	1443800000	L.11
RSV1,6 LSF12 GR 3,2 SN	1443900000	L.7
RSV1,6 LSF18 GR 3,2 AU	1444800000	L.11
RSV1,6 LSF18 GR 3,2 SN	1444900000	L.7
RSV1,6 LSF24 GR 3,2 AU	1445800000	L.11
RSV1,6 LSF24 GR 3,2 SN	1445900000	L.7
RSV1,6 LSF36 GR 3,2 AU	1446800000	L.11
RSV1,6 LSF36 GR 3,2 SN	1446900000	L.7
RSV1,6 LSF4 GR 3,2 AU	1440800000	L.11
RSV1,6 LSF4 GR 3,2 SN	1440900000	L.7
RSV1,6 LSF6 GR 3,2 AU	1441800000	L.11
RSV1,6 LSF6 GR 3,2 SN	1441900000	L.7
RSV1,6 LSF9 GR 3,2 AU	1442800000	L.11
RSV1,6 LSF9 GR 3,2 SN	1442900000	L.7
RSV1,6 RF12/35X15 SW	1690140000	L.14
RSV1,6 RF12/35X15 SW	1690140000	M.3
RSV1,6 RF12/35X7.5 SW	1582940000	L.14
RSV1,6 RF12/35X7.5 SW	1582940000	M.3
RSV1,6 RF18/35X15 SW	1690150000	L.14
RSV1,6 RF18/35X15 SW	1690150000	M.3
RSV1,6 RF18/35X7.5 SW	1582950000	L.14
RSV1,6 RF18/35X7.5 SW	1582950000	M.3
RSV1,6 RF24/35X15 SW	1690160000	L.14
RSV1,6 RF24/35X15 SW	1690160000	M.3
RSV1,6 RF24/35X7.5 SW	1582960000	L.14
RSV1,6 RF24/35X7.5 SW	1582960000	M.3
RSV1,6 RF36/35X15 SW	1690170000	L.14
RSV1,6 RF36/35X15 SW	1690170000	M.3
RSV1,6 RF36/35X7.5 SW	1582970000	L.14
RSV1,6 RF36/35X7.5 SW	1582970000	M.3
RSV1,6 RF4/35X15 SW	1690110000	L.14
RSV1,6 RF4/35X15 SW	1690110000	M.3
RSV1,6 RF4/35X7.5 SW	1582910000	L.14
RSV1,6 RF4/35X7.5 SW	1582910000	M.3
RSV1,6 RF6/35X15 SW	1690120000	L.14
RSV1,6 RF6/35X15 SW	1690120000	M.3
RSV1,6 RF6/35X7.5 SW	1582920000	L.14
RSV1,6 RF6/35X7.5 SW	1582920000	M.3
RSV1,6 RF9/35X15 SW	1690130000	L.14
RSV1,6 RF9/35X15 SW	1690130000	M.3
RSV1,6 RF9/35X7.5 SW	1582930000	L.14
RSV1,6 RF9/35X7.5 SW	1582930000	M.3
RSV1,6 S12 GR	1416100000	L.14
RSV1,6 S18 GR	1417100000	L.14
RSV1,6 S24 GR	1418100000	L.14
RSV1,6 S36 GR BX	1419100000	L.14
RSV1,6 S4 GR	1413100000	L.14
RSV1,6 S6 GR	1414100000	L.14
RSV1,6 S9 GR	1415100000	L.14
RSV1,6 ZE04 BK BX	1563600000	L.14
RSV1,6 ZE04 BK BX	1563600000	M.2
RSV1,6 ZE06 BK BX	1563500000	L.14
RSV1,6 ZE06 BK BX	1563500000	M.2
RSV1,6 ZE09 BK BX	1563400000	L.14
RSV1,6 ZE09 BK BX	1563400000	M.2
RSV1,6 ZE12 BK BX	1563300000	L.14
RSV1,6 ZE12 BK BX	1563300000	M.2
RSV1,6 ZE18 BK BX	1563200000	L.14
RSV1,6 ZE18 BK BX	1563200000	M.2
RSV1,6 ZE24 BK BX	1563100000	L.14
RSV1,6 ZE24 BK BX	1563100000	M.2
RSV1,6 ZE36 BK BX	1563000000	L.14
RSV1,6 ZE36 BK BX	1563000000	M.2

S

S2C-SMT 3.50/04/180G 1.5SN BK RL	1358860000	I.9
S2C-SMT 3.50/04/180G 3.5SN BK BX	1290030000	I.8
S2C-SMT 3.50/04/180LF 1.5SN BK RL	1358630000	I.9
S2C-SMT 3.50/04/180LF 3.5SN BK BX	1290220000	I.9
S2C-SMT 3.50/04/90G 1.5SN BK RL	1359580000	I.7
S2C-SMT 3.50/04/90G 3.2SN BK BX	1288980000	I.6
S2C-SMT 3.50/04/90LF 1.5SN BK RL	1359080000	I.7
S2C-SMT 3.50/04/90LF 3.2SN BK BX	1289450000	I.7
S2C-SMT 3.50/06/180G 1.5SN BK RL	1358870000	I.9
S2C-SMT 3.50/06/180G 3.5SN BK BX	1290040000	I.8
S2C-SMT 3.50/06/180LF 1.5SN BK RL	1358640000	I.9
S2C-SMT 3.50/06/180LF 3.5SN BK BX	1290230000	I.9
S2C-SMT 3.50/06/90G 1.5SN BK RL	1359590000	I.7
S2C-SMT 3.50/06/90G 3.2SN BK BX	1289270000	I.6
S2C-SMT 3.50/06/90LF 1.5SN BK RL	1359090000	I.7
S2C-SMT 3.50/06/90LF 3.2SN BK BX	1289460000	I.7
S2C-SMT 3.50/08/180G 1.5SN BK RL	1358880000	I.9
S2C-SMT 3.50/08/180G 3.5SN BK BX	1290050000	I.8
S2C-SMT 3.50/08/180LF 1.5SN BK RL	1358650000	I.9
S2C-SMT 3.50/08/180LF 3.5SN BK BX	1290240000	I.9
S2C-SMT 3.50/08/90G 1.5SN BK RL	1359600000	I.7
S2C-SMT 3.50/08/90G 3.2SN BK BX	1289280000	I.6
S2C-SMT 3.50/08/90LF 1.5SN BK RL	1359110000	I.7
S2C-SMT 3.50/08/90LF 3.2SN BK BX	1289470000	I.7
S2C-SMT 3.50/10/180G 1.5SN BK RL	1358900000	I.9
S2C-SMT 3.50/10/180G 3.5SN BK BX	1290060000	I.8
S2C-SMT 3.50/10/180LF 1.5SN BK RL	1358670000	I.9
S2C-SMT 3.50/10/180LF 3.5SN BK BX	1290250000	I.9
S2C-SMT 3.50/10/90G 1.5SN BK RL	1359610000	I.7
S2C-SMT 3.50/10/90G 3.2SN BK BX	1289290000	I.6
S2C-SMT 3.50/10/90LF 1.5SN BK RL	1359120000	I.7
S2C-SMT 3.50/10/90LF 3.2SN BK BX	1289480000	I.7
S2C-SMT 3.50/12/180G 1.5SN BK RL	1358920000	I.9
S2C-SMT 3.50/12/180G 3.5SN BK BX	1290070000	I.8
S2C-SMT 3.50/12/180LF 1.5SN BK RL	1358680000	I.9
S2C-SMT 3.50/12/180LF 3.5SN BK BX	1290260000	I.9
S2C-SMT 3.50/12/90G 1.5SN BK RL	1359620000	I.7
S2C-SMT 3.50/12/90G 3.2SN BK BX	1289300000	I.6
S2C-SMT 3.50/12/90LF 1.5SN BK RL	1359130000	I.7
S2C-SMT 3.50/12/90LF 3.2SN BK BX	1289490000	I.7
S2C-SMT 3.50/14/180G 1.5SN BK RL	1358940000	I.9

Type	Order No.	Page
S2C-SMT 3.50/14/180G 3.5SN BK BX	1290080000	I.8
S2C-SMT 3.50/14/180LF 1.5SN BK RL	1358690000	I.9
S2C-SMT 3.50/14/180LF 3.5SN BK BX	1290270000	I.9
S2C-SMT 3.50/14/90G 1.5SN BK RL	1359630000	I.7
S2C-SMT 3.50/14/90G 3.2SN BK BX	1289310000	I.6
S2C-SMT 3.50/14/90LF 1.5SN BK RL	1359140000	I.7
S2C-SMT 3.50/14/90LF 3.2SN BK BX	1289500000	I.7
S2C-SMT 3.50/16/180G 1.5SN BK RL	1358970000	I.9
S2C-SMT 3.50/16/180G 3.5SN BK BX	1290090000	I.8
S2C-SMT 3.50/16/180LF 1.5SN BK RL	1358700000	I.9
S2C-SMT 3.50/16/180LF 3.5SN BK BX	1290280000	I.9
S2C-SMT 3.50/16/90G 1.5SN BK RL	1359640000	I.7
S2C-SMT 3.50/16/90G 3.2SN BK BX	1289320000	I.6
S2C-SMT 3.50/16/90LF 1.5SN BK RL	1359150000	I.7
S2C-SMT 3.50/16/90LF 3.2SN BK BX	1289510000	I.7
S2C-SMT 3.50/18/180G 1.5SN BK RL	1358990000	I.9
S2C-SMT 3.50/18/180G 3.5SN BK BX	1290110000	I.8
S2C-SMT 3.50/18/180LF 1.5SN BK RL	1358710000	I.9
S2C-SMT 3.50/18/180LF 3.5SN BK BX	1290290000	I.9
S2C-SMT 3.50/18/90G 1.5SN BK RL	1359650000	I.7
S2C-SMT 3.50/18/90G 3.2SN BK BX	1289330000	I.6
S2C-SMT 3.50/18/90LF 1.5SN BK RL	1359160000	I.7
S2C-SMT 3.50/18/90LF 3.2SN BK BX	1289520000	I.7
S2C-SMT 3.50/20/180G 1.5SN BK RL	1359020000	I.9
S2C-SMT 3.50/20/180G 3.5SN BK BX	1290120000	I.8
S2C-SMT 3.50/20/180LF 1.5SN BK RL	1358720000	I.9
S2C-SMT 3.50/20/180LF 3.5SN BK BX	1290310000	I.9
S2C-SMT 3.50/20/90G 1.5SN BK RL	1359670000	I.7
S2C-SMT 3.50/20/90G 3.2SN BK BX	1289340000	I.6
S2C-SMT 3.50/20/90LF 1.5SN BK RL	1359170000	I.7
S2C-SMT 3.50/20/90LF 3.2SN BK BX	1289530000	I.7
S2C-SMT 3.50/22/180G 1.5SN BK RL	1359040000	I.9
S2C-SMT 3.50/22/180G 3.5SN BK BX	1290130000	I.8
S2C-SMT 3.50/22/180LF 3.5SN BK BX	1290320000	I.9
S2C-SMT 3.50/22/90G 1.5SN BK RL	1359680000	I.7
S2C-SMT 3.50/22/90G 3.2SN BK BX	1289350000	I.6
S2C-SMT 3.50/22/90LF 3.2SN BK BX	1289540000	I.7
S2C-SMT 3.50/24/180G 1.5SN BK RL	1359060000	I.9
S2C-SMT 3.50/24/180G 3.5SN BK BX	1290140000	I.8
S2C-SMT 3.50/24/180LF 3.5SN BK BX	1290330000	I.9
S2C-SMT 3.50/24/90G 1.5SN BK RL	1359690000	I.7
S2C-SMT 3.50/24/90G 3.2SN BK BX	1289370000	I.6
S2C-SMT 3.50/24/90LF 3.2SN BK BX	1289550000	I.7
S2CD-THR 3.50/08/90G 3.2SN BK BX	1357790000	I.10
S2CD-THR 3.50/08/90LF 3.2SN BK BX	1357890000	I.11
S2CD-THR 3.50/12/90G 3.2SN BK BX	1357800000	I.10
S2CD-THR 3.50/12/90LF 3.2SN BK BX	1357900000	I.11
S2CD-THR 3.50/16/90G 3.2SN BK BX	1357820000	I.10
S2CD-THR 3.50/16/90LF 3.2SN BK BX	1357920000	I.11
S2CD-THR 3.50/20/90G 3.2SN BK BX	1357830000	I.10
S2CD-THR 3.50/20/90LF 3.2SN BK BX	1357930000	I.11
S2CD-THR 3.50/24/90G 3.2SN BK BX	1357840000	I.10
S2CD-THR 3.50/24/90LF 3.2SN BK BX	1357940000	I.11
S2CD-THR 3.50/28/90G 3.2SN BK BX	1357850000	I.10
S2CD-THR 3.50/28/90LF 3.2SN BK BX	1357950000	I.11
S2CD-THR 3.50/32/90G 3.2SN BK BX	1357870000	I.10
S2CD-THR 3.50/32/90LF 3.2SN BK BX	1357970000	I.11
S2CD-THR 3.50/36/90G 3.2SN BK BX	1357880000	I.10
S2CD-THR 3.50/36/90LF 3.2SN BK BX	1357990000	I.11
S2L 3.50/06/180F 3.5SN OR BX	1729430000	I.17
S2L 3.50/06/180G 3.5SN OR BX	1728790000	I.16
S2L 3.50/06/90F 3.5SN OR BX	1728470000	I.15
S2L 3.50/06/90G 3.5SN OR BX	1727830000	I.14
S2L 3.50/08/180F 3.5SN OR BX	1729440000	I.17
S2L 3.50/08/180G 3.5SN OR BX	1728800000	I.16
S2L 3.50/08/90F 3.5SN OR BX	1728480000	I.15
S2L 3.50/08/90G 3.5SN OR BX	1727840000	I.14
S2L 3.50/10/180F 3.5SN OR BX	1729450000	I.17
S2L 3.50/10/180G 3.5SN OR BX	1728810000	I.16
S2L 3.50/10/90F 3.5SN OR BX	1728490000	I.15
S2L 3.50/10/90G 3.5SN OR BX	1727850000	I.14
S2L 3.50/12/180F 3.5SN OR BX	1729460000	I.17
S2L 3.50/12/180G 3.5SN OR BX	1728820000	I.16
S2L 3.50/12/90F 3.5SN OR BX	1728500000	I.15
S2L 3.50/12/90G 3.5SN OR BX	1727860000	I.14
S2L 3.50/14/180F 3.5SN OR BX	1729470000	I.17
S2L 3.50/14/180G 3.5SN OR BX	1728830000	I.16
S2L 3.50/14/90F 3.5SN OR BX	1728510000	I.15
S2L 3.50/14/90G 3.5SN OR BX	1727870000	I.14
S2L 3.50/16/180F 3.5SN OR BX	1729480000	I.17
S2L 3.50/16/180G 3.5SN OR BX	1728840000	I.16
S2L 3.50/16/90F 3.5SN OR BX	1728520000	I.15
S2L 3.50/16/90G 3.5SN OR BX	1727880000	I.14
S2L 3.50/18/180F 3.5SN OR BX	1729490000	I.17
S2L 3.50/18/180G 3.5SN OR BX	1728850000	I.16
S2L 3.50/18/90F 3.5SN OR BX	1728530000	I.15
S2L 3.50/18/90G 3.5SN OR BX	1727890000	I.14
S2L 3.50/20/180F 3.5SN OR BX	1729500000	I.17
S2L 3.50/20/180G 3.5SN OR BX	1728860000	I.16
S2L 3.50/20/90F 3.5SN OR BX	1728540000	I.15
S2L 3.50/20/90G 3.5SN OR BX	1727900000	I.14
S2L 3.50/22/180F 3.5SN OR BX	1729510000	I.17
S2L 3.50/22/180G 3.5SN OR BX	1728870000	I.16
S2L 3.50/22/90F 3.5SN OR BX	1728550000	I.15
S2L 3.50/22/90G 3.5SN OR BX	1727910000	I.14
S2L 3.50/24/180F 3.5SN OR BX	1729520000	I.17
S2L 3.50/24/180G 3.5SN OR BX	1728880000	I.16
S2L 3.50/24/90F 3.5SN OR BX	1728560000	I.15
S2L 3.50/24/90G 3.5SN OR BX	1727920000	I.14

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S2L/S2C 3.5 FLA 20/10	1699580000	I.14
S2L/S2C 3.5 FLA 20/10	1699580000	M.8
S2L/S2C 3.5 FLA 20/10 SMD	1814590000	I.6
S2L/S2C 3.5 FLA 20/10 SMD	1814590000	M.8
SAMPLE CH20M BUS 250MM TS 35X15	1335150000	S.41
SAMPLE CH20M BUS 250MM TS 35X7.5	1335140000	S.41
SAMPLE CH20M12 2/2 ASSEMBLED	1111630000	S.13
SAMPLE CH20M12 2/2 ASSEMBLED	1111630000	S.22
SAMPLE CH20M12 2/2 PCB	1167190000	S.13
SAMPLE CH20M12 2/2 PCB	1167190000	S.22
SAMPLE CH20M17 3/3 ASSEMBLED	1167200000	S.13
SAMPLE CH20M17 3/3 ASSEMBLED	1167200000	S.24
SAMPLE CH20M17 3/3 PCB	1255820000	S.13
SAMPLE CH20M17 3/3 PCB	1255820000	S.24
SAMPLE CH20M22 2/2 ASSEMBLED	1105600000	S.13
SAMPLE CH20M22 2/2 ASSEMBLED	1105600000	S.26
SAMPLE CH20M22 2/2 PCB	1158390000	S.13
SAMPLE CH20M22 2/2 PCB	1158390000	S.26
SAMPLE CH20M45 22/22 ASSEMBLED	1111640000	S.13
SAMPLE CH20M45 22/22 ASSEMBLED	1111640000	S.28
SAMPLE CH20M45 22/22 PCB	1203350000	S.13
SAMPLE CH20M45 22/22 PCB	1203350000	S.28
SAMPLE CH20M6 4/4 ASSEMBLED	1203310000	S.13
SAMPLE CH20M6 4/4 ASSEMBLED	1203310000	S.20
SAMPLE CH20M6 4/4 PCB	1203290000	S.13
SAMPLE CH20M6 4/4 PCB	1203290000	S.20
SAMPLE CH20M67 222/222 ASSEMBLED	1270820000	S.13
SAMPLE CH20M67 222/222 ASSEMBLED	1270820000	S.30
SAMPLE CH20M67 222/222 PCB	1275810000	S.13
SAMPLE CH20M67 222/222 PCB	1275810000	S.30
SAMPLE LP CH20M PPP	1317200000	S.13
SAMPLE LP CH20M PPX	1105580000	S.13
SAMPLE LP CH20M6	1171090000	S.13
SC 3.81 FLA 1.5/14.25	1979730000	J.26
SC 3.81 FLA 1.5/14.25	1979730000	M.9
SC 3.81 FLA 1.5/16	1979720000	J.26
SC 3.81 FLA 1.5/16	1979720000	M.9
SC 3.81 FLA 2.3/14.25	1979750000	J.26
SC 3.81 FLA 2.3/14.25	1979750000	M.9
SC 3.81 FLA 2.3/16	1979740000	J.26
SC 3.81 FLA 2.3/16	1979740000	M.9
SC 3.81/02/135F 3.2SN OR BX	1976740000	J.31
SC 3.81/02/135G 3.2SN OR BX	1975720000	J.30
SC 3.81/02/180F 3.2SN OR BX	1943180000	J.29
SC 3.81/02/180G 3.2SN OR BX	1942840000	J.28
SC 3.81/02/270F 3.2SN OR BX	1038040000	J.33
SC 3.81/02/270G 3.2SN OR BX	1037490000	J.32
SC 3.81/02/90F 3.2SN OR BX	1942450000	J.27
SC 3.81/02/90G 3.2SN OR BX	1942020000	J.26
SC 3.81/03/135F 3.2SN OR BX	1976750000	J.31
SC 3.81/03/135G 3.2SN OR BX	1975770000	J.30
SC 3.81/03/180F 3.2SN OR BX	1943190000	J.29
SC 3.81/03/180G 3.2SN OR BX	1942850000	J.28
SC 3.81/03/270F 3.2SN OR BX	1038050000	J.33
SC 3.81/03/270G 3.2SN OR BX	1037510000	J.32
SC 3.81/03/90F 3.2SN OR BX	1942460000	J.27
SC 3.81/03/90G 3.2SN OR BX	1942040000	J.26
SC 3.81/04/135F 3.2SN OR BX	1976760000	J.31
SC 3.81/04/135G 3.2SN OR BX	1975800000	J.30
SC 3.81/04/180F 3.2SN OR BX	1943200000	J.29
SC 3.81/04/180G 3.2SN OR BX	1942860000	J.28
SC 3.81/04/270F 3.2SN OR BX	1038060000	J.33
SC 3.81/04/270G 3.2SN OR BX	1037520000	J.32
SC 3.81/04/90F 3.2SN OR BX	1942470000	J.27
SC 3.81/04/90G 3.2SN OR BX	1942070000	J.26
SC 3.81/05/135F 3.2SN OR BX	1976770000	J.31
SC 3.81/05/135G 3.2SN OR BX	1975810000	J.30
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SC 3.81/05/180G 3.2SN OR BX	1942870000	J.28
SC 3.81/05/270F 3.2SN OR BX	1038070000	J.33
SC 3.81/05/270G 3.2SN OR BX	1037530000	J.32
SC 3.81/05/90F 3.2SN OR BX	1942480000	J.27
SC 3.81/05/90G 3.2SN OR BX	1942090000	J.26
SC 3.81/06/135F 3.2SN OR BX	1976780000	J.31
SC 3.81/06/135G 3.2SN OR BX	1975880000	J.30
SC 3.81/06/180F 3.2SN OR BX	1943220000	J.29
SC 3.81/06/180G 3.2SN OR BX	1942880000	J.28
SC 3.81/06/270F 3.2SN OR BX	1038080000	J.33
SC 3.81/06/270G 3.2SN OR BX	1037540000	J.32
SC 3.81/06/90F 3.2SN OR BX	1942490000	J.27
SC 3.81/06/90G 3.2SN OR BX	1942100000	J.26
SC 3.81/07/135F 3.2SN OR BX	1976790000	J.31
SC 3.81/07/135G 3.2SN OR BX	1975900000	J.30
SC 3.81/07/180F 3.2SN OR BX	1943230000	J.29
SC 3.81/07/180G 3.2SN OR BX	1942890000	J.28
SC 3.81/07/270F 3.2SN OR BX	1038090000	J.33
SC 3.81/07/270G 3.2SN OR BX	1037550000	J.32
SC 3.81/07/90F 3.2SN OR BX	1942500000	J.27
SC 3.81/07/90G 3.2SN OR BX	1942120000	J.26
SC 3.81/08/135F 3.2SN OR BX	1976800000	J.31
SC 3.81/08/135G 3.2SN OR BX	1975920000	J.30
SC 3.81/08/180F 3.2SN OR BX	1943240000	J.29
SC 3.81/08/180G 3.2SN OR BX	1942900000	J.28
SC 3.81/08/270F 3.2SN OR BX	1038110000	J.33
SC 3.81/08/270G 3.2SN OR BX	1037560000	J.32
SC 3.81/08/90F 3.2SN OR BX	1942510000	J.27
SC 3.81/08/90G 3.2SN OR BX	1942130000	J.26
SC 3.81/09/135F 3.2SN OR BX	1976810000	J.31
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SC 3.81/09/180G 3.2SN OR BX	1942910000	J.28
SC 3.81/09/270F 3.2SN OR BX	1038130000	J.33
SC 3.81/09/270G 3.2SN OR BX	1037570000	J.32
SC 3.81/09/90F 3.2SN OR BX	1942520000	J.27
SC 3.81/09/90G 3.2SN OR BX	1942140000	J.26
SC 3.81/10/135F 3.2SN OR BX	1976820000	J.31
SC 3.81/10/135G 3.2SN OR BX	1975940000	J.30
SC 3.81/10/180F 3.2SN OR BX	1943260000	J.29
SC 3.81/10/180G 3.2SN OR BX	1942920000	J.28
SC 3.81/10/270F 3.2SN OR BX	1038140000	J.33
SC 3.81/10/270G 3.2SN OR BX	1037580000	J.32
SC 3.81/10/90F 3.2SN OR BX	1942530000	J.27
SC 3.81/10/90G 3.2SN OR BX	1942150000	J.26
SC 3.81/11/135F 3.2SN OR BX	1976830000	J.31
SC 3.81/11/135G 3.2SN OR BX	1975950000	J.30
SC 3.81/11/180F 3.2SN OR BX	1943270000	J.29
SC 3.81/11/180G 3.2SN OR BX	1942930000	J.28
SC 3.81/11/270F 3.2SN OR BX	1038150000	J.33
SC 3.81/11/270G 3.2SN OR BX	1037590000	J.32
SC 3.81/11/90F 3.2SN OR BX	1942540000	J.27
SC 3.81/11/90G 3.2SN OR BX	1942160000	J.26
SC 3.81/12/135F 3.2SN OR BX	1976840000	J.31
SC 3.81/12/135G 3.2SN OR BX	1975960000	J.30
SC 3.81/12/180F 3.2SN OR BX	1943280000	J.29
SC 3.81/12/180G 3.2SN OR BX	1942940000	J.28
SC 3.81/12/270F 3.2SN OR BX	1038160000	J.33
SC 3.81/12/270G 3.2SN OR BX	1037610000	J.32
SC 3.81/12/90F 3.2SN OR BX	1942550000	J.27
SC 3.81/12/90G 3.2SN OR BX	1942170000	J.26
SC-SMT 3.81 KO GY BX	1968900000	J.10
SC-SMT 3.81 KO GY BX	1968900000	J.12
SC-SMT 3.81 KO GY BX	1968900000	J.14
SC-SMT 3.81 KO GY BX	1968900000	J.16
SC-SMT 3.81 KO GY BX	1968900000	J.18
SC-SMT 3.81 KO GY BX	1968900000	J.20
SC-SMT 3.81 KO GY BX	1968900000	J.22
SC-SMT 3.81 KO GY BX	1968900000	J.24
SC-SMT 3.81 KO GY BX	1968900000	J.26
SC-SMT 3.81 KO GY BX	1968900000	J.28
SC-SMT 3.81 KO GY BX	1968900000	J.30
SC-SMT 3.81 KO GY BX	1968900000	J.32
SC-SMT 3.81 KO GY BX	1968900000	J.34
SC-SMT 3.81 KO GY BX	1968900000	J.36
SC-SMT 3.81 KO GY BX	1968900000	J.38
SC-SMT 3.81 KO GY BX	1968900000	J.40
SC-SMT 3.81 KO GY BX	1968900000	J.42
SC-SMT 3.81 KO GY BX	1968900000	J.44
SC-SMT 3.81 KO GY BX	1968900000	J.46
SC-SMT 3.81 KO WT BX	2467670000	M.10
SC-SMT 3.81/02/135G 3.2SN BK BX	1977200000	J.12
SC-SMT 3.81/02/135LF 3.2SN BK BX	1978080000	J.13
SC-SMT 3.81/02/180G 1.5SN BK RL	1864050000	J.11
SC-SMT 3.81/02/180G 3.2SN BK BX	1862920000	J.10
SC-SMT 3.81/02/180LF 1.5SN BK RL	1864220000	J.11
SC-SMT 3.81/02/180LF 3.2SN BK BX	1863230000	J.11
SC-SMT 3.81/02/270F 3.2SN BK BX	1036990000	J.15
SC-SMT 3.81/02/270G 3.2SN BK BX	1036480000	J.14
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SC-SMT 3.81/02/90G 3.2SN BK BX	1862460000	J.8
SC-SMT 3.81/02/90LF 1.5SN BK RL	1862720000	J.9
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SC-SMT 3.81/03/135LF 3.2SN BK BX	1978090000	J.13
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SC-SMT 3.81/03/90G 1.5SN BK RL	1863150000	J.9
SC-SMT 3.81/03/90G 3.2SN BK BX	1862480000	J.8
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SC-SMT 3.81/04/135LF 3.2SN BK BX	1978100000	J.13
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SC-SMT 3.81/04/180G 3.2SN BK BX	1862950000	J.10
SC-SMT 3.81/04/180G 3.2SN BK RL	1863490000	J.11
SC-SMT 3.81/04/180LF 1.5SN BK RL	1864240000	J.11
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SC-SMT 3.81/05/135G 3.2SN BK BX	1977230000	J.12
SC-SMT 3.81/05/135LF 3.2SN BK BX	1978110000	J.13
SC-SMT 3.81/05/180G 1.5SN BK RL	1864300000	J.11
SC-SMT 3.81/05/180G 3.2SN BK BX	1863010000	J.10
SC-SMT 3.81/05/180LF 1.5SN BK RL	1864250000	J.11
SC-SMT 3.81/05/180LF 3.2SN BK BX	1863280000	J.11
SC-SMT 3.81/05/270F 3.2SN BK BX	1037030000	J.15
SC-SMT 3.81/05/270G 3.2SN BK BX	1036520000	J.14
SC-SMT 3.81/05/90G 1.5SN BK RL	1863170000	J.9
SC-SMT 3.81/05/90G 3.2SN BK BX	1862500000	J.8
SC-SMT 3.81/05/90LF 1.5SN BK RL	1862790000	J.9
SC-SMT 3.81/05/90LF 3.2SN BK BX	1863700000	J.9

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SC-SMT 3.81/06/180G 3.2SN BK BX	1863020000	J.10
SC-SMT 3.81/06/180LF 1.5SN BK RL	1864260000	J.11
SC-SMT 3.81/06/180LF 3.2SN BK BX	1863300000	J.11
SC-SMT 3.81/06/270F 3.2SN BK BX	1037040000	J.15
SC-SMT 3.81/06/270G 3.2SN BK BX	1036530000	J.14
SC-SMT 3.81/06/90G 1.5SN BK RL	1863180000	J.9
SC-SMT 3.81/06/90G 3.2SN BK BX	1862510000	J.8
SC-SMT 3.81/06/90LF 1.5SN BK RL	1862820000	J.9
SC-SMT 3.81/06/90LF 3.2SN BK BX	1863710000	J.9
SC-SMT 3.81/07/135G 3.2SN BK BX	1977250000	J.12
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SC-SMT 3.81/07/180G 1.5SN BK RL	1864320000	J.11
SC-SMT 3.81/07/180G 3.2SN BK BX	1863030000	J.10
SC-SMT 3.81/07/180LF 1.5SN BK RL	1864270000	J.11
SC-SMT 3.81/07/180LF 3.2SN BK BX	1863310000	J.11
SC-SMT 3.81/07/270F 3.2SN BK BX	1037050000	J.15
SC-SMT 3.81/07/270G 3.2SN BK BX	1036540000	J.14
SC-SMT 3.81/07/90G 1.5SN BK RL	1863190000	J.9
SC-SMT 3.81/07/90G 3.2SN BK BX	1862520000	J.8
SC-SMT 3.81/07/90LF 1.5SN BK RL	1862830000	J.9
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SC-SMT 3.81/08/135LF 3.2SN BK BX	1978140000	J.13
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SC-SMT 3.81/08/180LF 1.5SN BK RL	1864280000	J.11
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SC-SMT 3.81/08/270F 3.2SN BK BX	1037060000	J.15
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SC-SMT 3.81/08/90G 1.5SN BK RL	1863200000	J.9
SC-SMT 3.81/08/90G 3.2SN BK BX	1862530000	J.8
SC-SMT 3.81/08/90LF 1.5SN BK RL	1862850000	J.9
SC-SMT 3.81/08/90LF 3.2SN BK BX	1863760000	J.9
SC-SMT 3.81/09/135G 3.2SN BK BX	1977700000	J.12
SC-SMT 3.81/09/135LF 3.2SN BK BX	1978150000	J.13
SC-SMT 3.81/09/180G 1.5SN BK RL	1864340000	J.11
SC-SMT 3.81/09/180G 3.2SN BK BX	1863270000	J.10
SC-SMT 3.81/09/180LF 3.2SN BK BX	1863360000	J.11
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SC-SMT 3.81/09/270G 3.2SN BK BX	1036560000	J.14
SC-SMT 3.81/09/90G 1.5SN BK RL	1863210000	J.9
SC-SMT 3.81/09/90G 3.2SN BK BX	1862540000	J.8
SC-SMT 3.81/09/90LF 3.2SN BK BX	1863770000	J.9
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SC-SMT 3.81/10/135LF 3.2SN BK BX	1978160000	J.13
SC-SMT 3.81/10/180G 1.5SN BK RL	1864350000	J.11
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SC-SMT 3.81/10/180LF 3.2SN BK BX	1863380000	J.11
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SC-SMT 3.81/10/270G 3.2SN BK BX	1036570000	J.14
SC-SMT 3.81/10/90G 1.5SN BK RL	1863220000	J.9
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SC-SMT 3.81/11/270F 3.2SN BK BX	1037090000	J.15
SC-SMT 3.81/11/270G 3.2SN BK BX	1036580000	J.14
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SC-SMT 3.81/11/90LF 3.2SN BK BX	1863810000	J.9
SC-SMT 3.81/12/135G 3.2SN BK BX	1977730000	J.12
SC-SMT 3.81/12/135LF 3.2SN BK BX	1978180000	J.13
SC-SMT 3.81/12/180G 3.2SN BK BX	1863330000	J.10
SC-SMT 3.81/12/180LF 3.2SN BK BX	1863410000	J.11
SC-SMT 3.81/12/270F 3.2SN BK BX	1037110000	J.15
SC-SMT 3.81/12/270G 3.2SN BK BX	1036590000	J.14
SC-SMT 3.81/12/90G 3.2SN BK BX	1862730000	J.8
SC-SMT 3.81/12/90LF 3.2SN BK BX	1863820000	J.9
SCD 3.81/04/180F 3.2SN OR BX	1030440000	J.37
SCD 3.81/04/180G 3.2SN OR BX	1029920000	J.36
SCD 3.81/04/90F 3.2SN OR BX	1973260000	J.35
SCD 3.81/04/90G 3.2SN OR BX	1972790000	J.34
SCD 3.81/06/180F 3.2SN OR BX	1030450000	J.37
SCD 3.81/06/180G 3.2SN OR BX	1029940000	J.36
SCD 3.81/06/90F 3.2SN OR BX	1973270000	J.35
SCD 3.81/06/90G 3.2SN OR BX	1972800000	J.34
SCD 3.81/08/180F 3.2SN OR BX	1030460000	J.37
SCD 3.81/08/180G 3.2SN OR BX	1029950000	J.36
SCD 3.81/08/90F 3.2SN OR BX	1973280000	J.35
SCD 3.81/08/90G 3.2SN OR BX	1972810000	J.34
SCD 3.81/10/180F 3.2SN OR BX	1030470000	J.37
SCD 3.81/10/180G 3.2SN OR BX	1029960000	J.36
SCD 3.81/10/90F 3.2SN OR BX	1973290000	J.35
SCD 3.81/10/90G 3.2SN OR BX	1972820000	J.34
SCD 3.81/12/180F 3.2SN OR BX	1030480000	J.37
SCD 3.81/12/180G 3.2SN OR BX	1029970000	J.36
SCD 3.81/12/90F 3.2SN OR BX	1973300000	J.35
SCD 3.81/12/90G 3.2SN OR BX	1972830000	J.34
SCD 3.81/14/180F 3.2SN OR BX	1030490000	J.37
SCD 3.81/14/180G 3.2SN OR BX	1029980000	J.36
SCD 3.81/14/90F 3.2SN OR BX	1973310000	J.35
SCD 3.81/14/90G 3.2SN OR BX	1972840000	J.34
SCD 3.81/16/180F 3.2SN OR BX	1030510000	J.37
SCD 3.81/16/180G 3.2SN OR BX	1029990000	J.36
SCD 3.81/16/90F 3.2SN OR BX	1973320000	J.35

Type	Order No.	Page
SCD 3.81/16/90G 3.2SN OR BX	1972850000	J.34
SCD 3.81/18/180F 3.2SN OR BX	1030520000	J.37
SCD 3.81/18/180G 3.2SN OR BX	1030010000	J.36
SCD 3.81/18/90F 3.2SN OR BX	1973330000	J.35
SCD 3.81/18/90G 3.2SN OR BX	1972860000	J.34
SCD 3.81/20/180F 3.2SN OR BX	1030530000	J.37
SCD 3.81/20/180G 3.2SN OR BX	1030020000	J.36
SCD 3.81/20/90F 3.2SN OR BX	1973340000	J.35
SCD 3.81/20/90G 3.2SN OR BX	1972870000	J.34
SCD 3.81/22/180F 3.2SN OR BX	1030540000	J.37
SCD 3.81/22/180G 3.2SN OR BX	1030030000	J.36
SCD 3.81/22/90F 3.2SN OR BX	1973350000	J.35
SCD 3.81/22/90G 3.2SN OR BX	1972880000	J.34
SCD 3.81/24/180F 3.2SN OR BX	1030550000	J.37
SCD 3.81/24/180G 3.2SN OR BX	1030040000	J.36
SCD 3.81/24/90F 3.2SN OR BX	1973360000	J.35
SCD 3.81/24/90G 3.2SN OR BX	1972890000	J.34
SCD-THR 3.81/04/180F 3.2SN BK BX	1031460000	J.19
SCD-THR 3.81/04/180G 3.2SN BK BX	1030950000	J.18
SCD-THR 3.81/04/90F 3.2SN BK BX	1974180000	J.17
SCD-THR 3.81/04/90G 3.2SN BK BX	1973730000	J.16
SCD-THR 3.81/06/180F 3.2SN BK BX	1031470000	J.19
SCD-THR 3.81/06/180G 3.2SN BK BX	1030960000	J.18
SCD-THR 3.81/06/90F 3.2SN BK BX	1974190000	J.17
SCD-THR 3.81/06/90G 3.2SN BK BX	1973740000	J.16
SCD-THR 3.81/08/180F 3.2SN BK BX	1031490000	J.19
SCD-THR 3.81/08/180G 3.2SN BK BX	1030970000	J.18
SCD-THR 3.81/08/90F 3.2SN BK BX	1974200000	J.17
SCD-THR 3.81/08/90G 3.2SN BK BX	1973750000	J.16
SCD-THR 3.81/10/180F 3.2SN BK BX	1031510000	J.19
SCD-THR 3.81/10/180G 3.2SN BK BX	1030980000	J.18
SCD-THR 3.81/10/90F 3.2SN BK BX	1974210000	J.17
SCD-THR 3.81/10/90G 3.2SN BK BX	1973760000	J.16
SCD-THR 3.81/12/180F 3.2SN BK BX	1031520000	J.19
SCD-THR 3.81/12/180G 3.2SN BK BX	1030990000	J.18
SCD-THR 3.81/12/90F 3.2SN BK BX	1974220000	J.17
SCD-THR 3.81/12/90G 3.2SN BK BX	1973770000	J.16
SCD-THR 3.81/14/180F 3.2SN BK BX	1031530000	J.19
SCD-THR 3.81/14/180G 3.2SN BK BX	1031010000	J.18
SCD-THR 3.81/14/90F 3.2SN BK BX	1974230000	J.17
SCD-THR 3.81/14/90G 3.2SN BK BX	1973780000	J.16
SCD-THR 3.81/16/180F 3.2SN BK BX	1031540000	J.19
SCD-THR 3.81/16/180G 3.2SN BK BX	1031020000	J.18
SCD-THR 3.81/16/90F 3.2SN BK BX	1974240000	J.17
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SCD-THR 3.81/18/180F 3.2SN BK BX	1031560000	J.19
SCD-THR 3.81/18/180G 3.2SN BK BX	1031030000	J.18
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SCD-THR 3.81/20/180F 3.2SN BK BX	1031570000	J.19
SCD-THR 3.81/20/180G 3.2SN BK BX	1031040000	J.18
SCD-THR 3.81/20/90F 3.2SN BK BX	1974290000	J.17
SCD-THR 3.81/20/90G 3.2SN BK BX	1973810000	J.16
SCD-THR 3.81/22/180F 3.2SN BK BX	1031590000	J.19
SCD-THR 3.81/22/180G 3.2SN BK BX	1031050000	J.18
SCD-THR 3.81/22/90F 3.2SN BK BX	1974310000	J.17
SCD-THR 3.81/22/90G 3.2SN BK BX	1973820000	J.16
SCD-THR 3.81/24/180F 3.2SN BK BX	1031610000	J.19
SCD-THR 3.81/24/180G 3.2SN BK BX	1031060000	J.18
SCD-THR 3.81/24/90F 3.2SN BK BX	1974330000	J.17
SCD-THR 3.81/24/90G 3.2SN BK BX	1973830000	J.16
SCDN 3.81/04/90F 3.2SN OR BX	1040960000	J.39
SCDN 3.81/04/90G 3.2SN OR BX	1040410000	J.38
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SCDN 3.81/14/90F 3.2SN OR BX	1041010000	J.39
SCDN 3.81/14/90G 3.2SN OR BX	1040460000	J.38
SCDN 3.81/16/90F 3.2SN OR BX	1041020000	J.39
SCDN 3.81/16/90G 3.2SN OR BX	1040470000	J.38
SCDN 3.81/18/90F 3.2SN OR BX	1041030000	J.39
SCDN 3.81/18/90G 3.2SN OR BX	1040490000	J.38
SCDN 3.81/20/90F 3.2SN OR BX	1041040000	J.39
SCDN 3.81/20/90G 3.2SN OR BX	1040510000	J.38
SCDN 3.81/22/90F 3.2SN OR BX	1041050000	J.39
SCDN 3.81/22/90G 3.2SN OR BX	1040520000	J.38
SCDN 3.81/24/90F 3.2SN OR BX	1041060000	J.39
SCDN 3.81/24/90G 3.2SN OR BX	1040530000	J.38
SCDN-THR 3.81/04/90F 3.2SN BK BX	1039440000	J.21
SCDN-THR 3.81/04/90G 3.2SN BK BX	1038950000	J.20
SCDN-THR 3.81/06/90F 3.2SN BK BX	1039450000	J.21
SCDN-THR 3.81/06/90G 3.2SN BK BX	1038960000	J.20
SCDN-THR 3.81/08/90F 3.2SN BK BX	1039460000	J.21
SCDN-THR 3.81/08/90G 3.2SN BK BX	1038970000	J.20
SCDN-THR 3.81/10/90F 3.2SN BK BX	1039520000	J.21
SCDN-THR 3.81/10/90G 3.2SN BK BX	1038980000	J.20
SCDN-THR 3.81/12/90F 3.2SN BK BX	1039530000	J.21
SCDN-THR 3.81/12/90G 3.2SN BK BX	1038990000	J.20
SCDN-THR 3.81/14/90F 3.2SN BK BX	1039540000	J.21
SCDN-THR 3.81/14/90G 3.2SN BK BX	1039010000	J.20
SCDN-THR 3.81/16/90F 3.2SN BK BX	1039550000	J.21
SCDN-THR 3.81/16/90G 3.2SN BK BX	1039020000	J.20
SCDN-THR 3.81/18/90F 3.2SN BK BX	1039560000	J.21
SCDN-THR 3.81/18/90G 3.2SN BK BX	1039030000	J.20
SCDN-THR 3.81/20/90F 3.2SN BK BX	1039570000	J.21
SCDN-THR 3.81/20/90G 3.2SN BK BX	1039040000	J.20
SCDN-THR 3.81/22/90F 3.2SN BK BX	1039580000	J.21
SCDN-THR 3.81/22/90G 3.2SN BK BX	1039050000	J.20
SCDN-THR 3.81/24/90F 3.2SN BK BX	1039590000	J.21
SCDN-THR 3.81/24/90G 3.2SN BK BX	1039060000	J.20
SCDV 3.81/04/180F 3.2SN OR BX	1034980000	J.43
SCDV 3.81/04/180G 3.2SN OR BX	1034470000	J.42
SCDV 3.81/04/90F 3.2SN OR BX	1032580000	J.41
SCDV 3.81/04/90G 3.2SN OR BX	1032090000	J.40
SCDV 3.81/06/180F 3.2SN OR BX	1034990000	J.43
SCDV 3.81/06/180G 3.2SN OR BX	1034490000	J.42
SCDV 3.81/06/90F 3.2SN OR BX	1032590000	J.41
SCDV 3.81/06/90G 3.2SN OR BX	1032110000	J.40
SCDV 3.81/08/180F 3.2SN OR BX	1035010000	J.43
SCDV 3.81/08/180G 3.2SN OR BX	1034510000	J.42
SCDV 3.81/08/90F 3.2SN OR BX	1032600000	J.41
SCDV 3.81/08/90G 3.2SN OR BX	1032120000	J.40
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SCDV 3.81/10/90F 3.2SN OR BX	1032610000	J.41
SCDV 3.81/10/90G 3.2SN OR BX	1032130000	J.40
SCDV 3.81/12/180F 3.2SN OR BX	1035030000	J.43
SCDV 3.81/12/180G 3.2SN OR BX	1034530000	J.42
SCDV 3.81/12/90F 3.2SN OR BX	1032620000	J.41
SCDV 3.81/12/90G 3.2SN OR BX	1032140000	J.40
SCDV 3.81/14/180F 3.2SN OR BX	1035040000	J.43
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SCDV 3.81/14/90G 3.2SN OR BX	1032150000	J.40
SCDV 3.81/16/180F 3.2SN OR BX	1035050000	J.43
SCDV 3.81/16/180G 3.2SN OR BX	1034550000	J.42
SCDV 3.81/16/90F 3.2SN OR BX	1032640000	J.41
SCDV 3.81/16/90G 3.2SN OR BX	1032160000	J.40
SCDV 3.81/18/180F 3.2SN OR BX	1035060000	J.43
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SCDV 3.81/18/90G 3.2SN OR BX	1032170000	J.40
SCDV 3.81/20/180F 3.2SN OR BX	1035070000	J.43
SCDV 3.81/20/180G 3.2SN OR BX	1034570000	J.42
SCDV 3.81/20/90F 3.2SN OR BX	1032660000	J.41
SCDV 3.81/20/90G 3.2SN OR BX	1032190000	J.40
SCDV 3.81/22/180F 3.2SN OR BX	1035080000	J.43
SCDV 3.81/22/180G 3.2SN OR BX	1034580000	J.42
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SCDV 3.81/22/90G 3.2SN OR BX	1032200000	J.40
SCDV 3.81/24/180F 3.2SN OR BX	1035090000	J.43
SCDV 3.81/24/180G 3.2SN OR BX	1034590000	J.42
SCDV 3.81/24/90F 3.2SN OR BX	1032680000	J.41
SCDV 3.81/24/90G 3.2SN OR BX	1032210000	J.40
SCDV-THR 3.81/04/180F 3.2SN BK BX	1035950000	J.25
SCDV-THR 3.81/04/180G 3.2SN BK BX	1035470000	J.24
SCDV-THR 3.81/04/90F 3.2SN BK BX	1033970000	J.23
SCDV-THR 3.81/04/90G 3.2SN BK BX	1033490000	J.22
SCDV-THR 3.81/06/180F 3.2SN BK BX	1035960000	J.25
SCDV-THR 3.81/06/180G 3.2SN BK BX	1035480000	J.24
SCDV-THR 3.81/06/90F 3.2SN BK BX	1033980000	J.23
SCDV-THR 3.81/06/90G 3.2SN BK BX	1033510000	J.22
SCDV-THR 3.81/08/180F 3.2SN BK BX	1035970000	J.25
SCDV-THR 3.81/08/180G 3.2SN BK BX	1035490000	J.24
SCDV-THR 3.81/08/90F 3.2SN BK BX	1033990000	J.23
SCDV-THR 3.81/08/90G 3.2SN BK BX	1033520000	J.22
SCDV-THR 3.81/10/180F 3.2SN BK BX	1035980000	J.25
SCDV-THR 3.81/10/180G 3.2SN BK BX	1035510000	J.24
SCDV-THR 3.81/10/90F 3.2SN BK BX	1034010000	J.23
SCDV-THR 3.81/10/90G 3.2SN BK BX	1033530000	J.22
SCDV-THR 3.81/12/180F 3.2SN BK BX	1035990000	J.25
SCDV-THR 3.81/12/180G 3.2SN BK BX	1035520000	J.24
SCDV-THR 3.81/12/90F 3.2SN BK BX	1034020000	J.23
SCDV-THR 3.81/12/90G 3.2SN BK BX	1033540000	J.22
SCDV-THR 3.81/14/180F 3.2SN BK BX	1036010000	J.25
SCDV-THR 3.81/14/180G 3.2SN BK BX	1035530000	J.24
SCDV-THR 3.81/14/90F 3.2SN BK BX	1034030000	J.23
SCDV-THR 3.81/14/90G 3.2SN BK BX	1033550000	J.22
SCDV-THR 3.81/16/180F 3.2SN BK BX	1036020000	J.25
SCDV-THR 3.81/16/180G 3.2SN BK BX	1035540000	J.24
SCDV-THR 3.81/16/90F 3.2SN BK BX	1034040000	J.23
SCDV-THR 3.81/16/90G 3.2SN BK BX	1033560000	J.22
SCDV-THR 3.81/18/180F 3.2SN BK BX	1036030000	J.25
SCDV-THR 3.81/18/180G 3.2SN BK BX	1035550000	J.24
SCDV-THR 3.81/18/90F 3.2SN BK BX	1034050000	J.23
SCDV-THR 3.81/18/90G 3.2SN BK BX	1033570000	J.22
SCDV-THR 3.81/20/180F 3.2SN BK BX	1036040000	J.25
SCDV-THR 3.81/20/180G 3.2SN BK BX	1035560000	J.24
SCDV-THR 3.81/20/90F 3.2SN BK BX	1034060000	J.23
SCDV-THR 3.81/20/90G 3.2SN BK BX	1033580000	J.22
SCDV-THR 3.81/22/180F 3.2SN BK BX	1036050000	J.25
SCDV-THR 3.81/22/180G 3.2SN BK BX	1035570000	J.24
SCDV-THR 3.81/22/90F 3.2SN BK BX	1034070000	J.23
SCDV-THR 3.81/22/90G 3.2SN BK BX	1033590000	J.22
SCDV-THR 3.81/24/180F 3.2SN BK BX	1036060000	J.25
SCDV-THR 3.81/24/180G 3.2SN BK BX	1035580000	J.24
SCDV-THR 3.81/24/90F 3.2SN BK BX	1034080000	J.23
SCDV-THR 3.81/24/90G 3.2SN BK BX	1033600000	J.22
SCT 4.6/127 C	1699800000	0.40
SCT 4.6/127 C	1699800000	0.42
SCT 4.6/127 C	1699800000	0.46
SCZ 3.81/02/180F SN OR BX	1970910000	J.45
SCZ 3.81/02/180FI SN OR BX	1970260000	J.45
SCZ 3.81/02/180G SN OR BX	1969520000	J.44
SCZ 3.81/02/180LR SN OR BX	2442050000	J.45
SCZ 3.81/03/180F SN OR BX	1970920000	J.45
SCZ 3.81/03/180FI SN OR BX	1970270000	J.45
SCZ 3.81/03/180G SN OR BX	1969540000	J.44
SCZ 3.81/03/180LR SN OR BX	2444060000	J.45
SCZ 3.81/04/180F SN OR BX	1970930000	J.45
SCZ 3.81/04/180FI SN OR BX	1970310000	J.45
SCZ 3.81/04/180FIZE SN OR BX	1237550000	J.47
SCZ 3.81/04/180FZE SN OR BX	1237120000	J.47
SCZ 3.81/04/180G SN OR BX	1969560000	J.44
SCZ 3.81/04/180GZE SN OR BX	1237000000	J.46
SCZ 3.81/04/180LR SN OR BX	2444090000	J.45
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SCZ 3.81/05/180FI SN OR BX	1970320000	J.45
SCZ 3.81/05/180FIZE SN OR BX	1237560000	J.47
SCZ 3.81/05/180FZE SN OR BX	1237130000	J.47
SCZ 3.81/05/180G SN OR BX	1969570000	J.44
SCZ 3.81/05/180GZE SN OR BX	1237010000	J.46
SCZ 3.81/05/180LR SN OR BX	2444100000	J.45
SCZ 3.81/05/180LRZE SN OR BX	2444220000	J.47
SCZ 3.81/06/180F SN OR BX	1970960000	J.45
SCZ 3.81/06/180FI SN OR BX	1970340000	J.45
SCZ 3.81/06/180FIZE SN OR BX	1237570000	J.47
SCZ 3.81/06/180FZE SN OR BX	1237140000	J.47
SCZ 3.81/06/180G SN OR BX	1969580000	J.44
SCZ 3.81/06/180GZE SN OR BX	1237020000	J.46
SCZ 3.81/06/180LR SN OR BX	2444110000	J.45
SCZ 3.81/06/180LRZE SN OR BX	2444270000	J.47
SCZ 3.81/07/180F SN OR BX	1970970000	J.45
SCZ 3.81/07/180FI SN OR BX	1970350000	J.45
SCZ 3.81/07/180FIZE SN OR BX	1237580000	J.47
SCZ 3.81/07/180FZE SN OR BX	1237170000	J.47
SCZ 3.81/07/180G SN OR BX	1969590000	J.44
SCZ 3.81/07/180GZE SN OR BX	1237030000	J.46
SCZ 3.81/07/180LR SN OR BX	2444120000	J.45
SCZ 3.81/07/180LRZE SN OR BX	2444200000	J.47
SCZ 3.81/08/180F SN OR BX	1970980000	J.45
SCZ 3.81/08/180FI SN OR BX	1970360000	J.45
SCZ 3.81/08/180FIZE SN OR BX	1237590000	J.47
SCZ 3.81/08/180FZE SN OR BX	1237180000	J.47
SCZ 3.81/08/180G SN OR BX	1969610000	J.44
SCZ 3.81/08/180GZE SN OR BX	1237040000	J.46
SCZ 3.81/08/180LR SN OR BX	2444130000	J.45
SCZ 3.81/08/180LRZE SN OR BX	2444260000	J.47
SCZ 3.81/09/180F SN OR BX	1970990000	J.45
SCZ 3.81/09/180FI SN OR BX	1970390000	J.45
SCZ 3.81/09/180FIZE SN OR BX	1237610000	J.47
SCZ 3.81/09/180FZE SN OR BX	1237190000	J.47
SCZ 3.81/09/180G SN OR BX	1969630000	J.44
SCZ 3.81/09/180GZE SN OR BX	1237070000	J.46
SCZ 3.81/09/180LR SN OR BX	2444140000	J.45
SCZ 3.81/09/180LRZE SN OR BX	2444230000	J.47
SCZ 3.81/10/180F SN OR BX	1971000000	J.45
SCZ 3.81/10/180FI SN OR BX	1970410000	J.45
SCZ 3.81/10/180FIZE SN OR BX	1237620000	J.47
SCZ 3.81/10/180FZE SN OR BX	1237200000	J.47
SCZ 3.81/10/180G SN OR BX	1969640000	J.44
SCZ 3.81/10/180GZE SN OR BX	1237080000	J.46
SCZ 3.81/10/180LR SN OR BX	2444150000	J.45
SCZ 3.81/10/180LRZE SN OR BX	2444290000	J.47
SCZ 3.81/11/180F SN OR BX	1971010000	J.45
SCZ 3.81/11/180FI SN OR BX	1970420000	J.45
SCZ 3.81/11/180FIZE SN OR BX	1237630000	J.47
SCZ 3.81/11/180FZE SN OR BX	1237210000	J.47
SCZ 3.81/11/180G SN OR BX	1969660000	J.44
SCZ 3.81/11/180GZE SN OR BX	1237090000	J.46
SCZ 3.81/11/180LR SN OR BX	2444160000	J.45
SCZ 3.81/11/180LRZE SN OR BX	2444250000	J.47
SCZ 3.81/12/180F SN OR BX	1971020000	J.45
SCZ 3.81/12/180FI SN OR BX	1970430000	J.45
SCZ 3.81/12/180FIZE SN OR BX	1237640000	J.47
SCZ 3.81/12/180FZE SN OR BX	1237220000	J.47
SCZ 3.81/12/180G SN OR BX	1969670000	J.44
SCZ 3.81/12/180GZE SN OR BX	1237100000	J.46
SCZ 3.81/12/180LR SN OR BX	2444170000	J.45
SCZ 3.81/12/180LRZE SN OR BX	2444280000	J.47
SDIK PZ2 X 100	2749930000	N.18
SDIK PZ2 X 100	2749930000	N.19
SDIK PZ2 X 100	2749930000	N.20
SDIK PZ2 X 100	2749930000	N.21
SDIK PZ2 X 100	2749930000	N.22
SDIK PZ2 X 100	2749930000	N.24
SDIK PZ2 X 100	2749930000	0.76
SDIK PZ2 X 100	2749930000	0.78
SDIK PZ2 X 100	2749930000	0.80
SDIK PZ2 X 100	2749930000	0.82
SDIK PZ2 X 100	2749930000	0.84
SDIK PZ2 X 100	2749930000	0.86
SDIK PZ2 X 100	2749930000	0.88
SDIK PZ2 X 100	2749930000	0.200
SDIK PZ2 X 100	2749930000	0.202
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SDIS 0.4X2.5X75	2749790000	G.42
SDIS 0.4X2.5X75	2749790000	G.44
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SDIS 1.0X5.5X125	2749850000	Q.84
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SDIS 1.0X5.5X125	2749850000	Q.202
SDIS 1.0X5.5X125	2749850000	Q.18
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SDIS 1.2X6.5X150	2749860000	Q.22
SDIS 1.2X6.5X150	2749860000	R.5
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SDK PH0 X 60	2749400000	S.52
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SDK PH1 X 80	2749410000	K.42
SDK PH1 X 80	2749410000	K.44
SDK PH1 X 80	2749410000	K.96
SDK PH1 X 80	2749410000	K.98
SDK PH1 X 80	2749410000	K.100
SDK PH1 X 80	2749410000	K.102
SDK PH1 X 80	2749410000	M.15
SDK PH1 X 80	2749410000	Q.70
SDK PH1 X 80	2749410000	Q.160
SDK PH1 X 80	2749410000	Q.162
SDK PH1 X 80	2749410000	Q.164
SDK PH1 X 80	2749410000	R.5
SDK PH1 X 80	2749410000	S.52
SDK PH2 X 100	2749420000	M.15
SDK PH2 X 100	2749420000	R.5
SDK PH2 X 100	2749420000	S.52
SDK PH3 X 150	2749430000	M.15
SDK PH3 X 150	2749430000	R.5
SDK PH3 X 150	2749430000	S.52
SDK PZ1 X 80	2749440000	G.36
SDK PZ1 X 80	2749440000	K.40
SDK PZ1 X 80	2749440000	K.42
SDK PZ1 X 80	2749440000	K.44
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SDK PZ1 X 80	2749440000	M.15
SDK PZ1 X 80	2749440000	N.16
SDK PZ1 X 80	2749440000	R.5
SDK PZ1 X 80	2749440000	S.52
SDK PZ2 X 100	2749450000	M.15
SDK PZ2 X 100	2749450000	N.18
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SDK PZ2 X 100	2749450000	N.20
SDK PZ2 X 100	2749450000	N.21
SDK PZ2 X 100	2749450000	N.22
SDK PZ2 X 100	2749450000	N.24
SDK PZ2 X 100	2749450000	Q.76
SDK PZ2 X 100	2749450000	Q.78
SDK PZ2 X 100	2749450000	Q.80
SDK PZ2 X 100	2749450000	Q.82
SDK PZ2 X 100	2749450000	Q.84
SDK PZ2 X 100	2749450000	Q.86
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SDK PZ2 X 100	2749450000	Q.200
SDK PZ2 X 100	2749450000	Q.202
SDK PZ2 X 100	2749450000	R.5
SDK PZ2 X 100	2749450000	S.52
SDK PZ3 X 150	2749460000	M.15
SDK PZ3 X 150	2749460000	R.5
SDK PZ3 X 150	2749460000	S.52
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SDS 0.4X2.5X75	2749320000	G.21
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SDS 0.4X2.5X75	2749320000	G.42

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SDS 0.4X2.5X75	2749320000	G.44
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SDS 0.8X4.5X125	2749370000	O.172
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SDS 1.0X5.5X150	2749380000	N.20
SDS 1.0X5.5X150	2749380000	N.21
SDS 1.0X5.5X150	2749380000	R.5
SDS 1.0X5.5X150	2749380000	S.52
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SDS 1.2X6.5X150	2749390000	S.52
SH ETH U	2903230000	F.7
SH ETH U	2903230000	F.8
SH ETH U	2903230000	F.9
SH ETH U	2903230000	F.10
SH ETH U	2903230000	F.11
SH ETH U	2903230000	F.12
SH ETH U	2903230000	F.13
SHL-SMT 5.00/02GL 4.2BX	1069620000	S.34
SHL-SMT 5.00/02GL 4.2RL	1069650000	S.34
SHL-SMT 5.00/02GL 5.9BX	1069750000	S.34
SHL-SMT 5.00/02GL 5.9RL	1069780000	S.34
SHL-SMT 5.00/02GR 4.2BX	1069550000	S.35
SHL-SMT 5.00/02GR 4.2RL	1069580000	S.35
SHL-SMT 5.00/02GR 5.9BX	1069680000	S.35
SHL-SMT 5.00/02GR 5.9RL	1069720000	S.35
SHL-SMT 5.00/03GL 1.5BX	1063210000	S.34
SHL-SMT 5.00/03GL 1.5RL	1063240000	S.34
SHL-SMT 5.00/03GL 4.2BX	1069630000	S.34
SHL-SMT 5.00/03GL 4.2RL	1069660000	S.34
SHL-SMT 5.00/03GL 5.9BX	1069760000	S.34
SHL-SMT 5.00/03GL 5.9RL	1069790000	S.34
SHL-SMT 5.00/03GR 1.5BX	1063140000	S.35
SHL-SMT 5.00/03GR 1.5RL	1063170000	S.35
SHL-SMT 5.00/03GR 4.2BX	1069560000	S.35
SHL-SMT 5.00/03GR 4.2RL	1069590000	S.35
SHL-SMT 5.00/03GR 5.9BX	1069690000	S.35
SHL-SMT 5.00/03GR 5.9RL	1069730000	S.35
SHL-SMT 5.00/04GL 1.5BX	1063220000	S.34
SHL-SMT 5.00/04GL 1.5RL	1063250000	S.34
SHL-SMT 5.00/04GL 4.2BX	1069640000	S.34
SHL-SMT 5.00/04GL 4.2RL	1069670000	S.34
SHL-SMT 5.00/04GL 5.9BX	1069770000	S.34
SHL-SMT 5.00/04GL 5.9RL	1069810000	S.34
SHL-SMT 5.00/04GR 1.5BX	1063150000	S.35
SHL-SMT 5.00/04GR 1.5RL	1063180000	S.35
SHL-SMT 5.00/04GR 4.2BX	1069570000	S.35
SHL-SMT 5.00/04GR 4.2RL	1069610000	S.35
SHL-SMT 5.00/04GR 5.9BX	1069710000	S.35
SHL-SMT 5.00/04GR 5.9RL	1069740000	S.35
SK S-KIT IN-RAIL BUS CH20M 12-67	1327040000	S.13
SL 135 BB15R OR	1606450000	K.36
SL 135 BB15R OR	1606450000	M.7
SL 135 BB15R SW	1636370000	K.36
SL 135 BB15R SW	1636370000	M.7
SL 2.50/02/180G 3.2SN BK BX	2439910000	H.7
SL 2.50/02/90G 3.2SN BK BX	2439660000	H.6
SL 2.50/03/180G 3.2SN BK BX	2439920000	H.7
SL 2.50/03/90G 3.2SN BK BX	2439760000	H.6
SL 2.50/04/180G 3.2SN BK BX	2439930000	H.7

Type	Order No.	Page
SL 2.50/04/90G 3.2SN BK BX	2439770000	H.6
SL 2.50/05/180G 3.2SN BK BX	2439940000	H.7
SL 2.50/05/90G 3.2SN BK BX	2439780000	H.6
SL 2.50/06/180G 3.2SN BK BX	2439950000	H.7
SL 2.50/06/90G 3.2SN BK BX	2439790000	H.6
SL 2.50/07/180G 3.2SN BK BX	2439960000	H.7
SL 2.50/07/90G 3.2SN BK BX	2439800000	H.6
SL 2.50/08/180G 3.2SN BK BX	2439970000	H.7
SL 2.50/08/90G 3.2SN BK BX	2439810000	H.6
SL 2.50/09/180G 3.2SN BK BX	2439980000	H.7
SL 2.50/09/90G 3.2SN BK BX	2439820000	H.6
SL 2.50/10/180G 3.2SN BK BX	2439990000	H.7
SL 2.50/10/90G 3.2SN BK BX	2439830000	H.6
SL 2.50/11/180G 3.2SN BK BX	2440000000	H.7
SL 2.50/11/90G 3.2SN BK BX	2439840000	H.6
SL 2.50/12/180G 3.2SN BK BX	2440010000	H.7
SL 2.50/12/90G 3.2SN BK BX	2439850000	H.6
SL 3.5 FLA 1.5/1.75/8	1597630000	I.30
SL 3.5 FLA 1.5/1.75/8	1597630000	I.32
SL 3.5 FLA 1.5/1.75/8	1597630000	I.36
SL 3.5 FLA 1.5/1.75/8	1597630000	M.8
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SL 3.5 FLA 1.5/8	1597510000	I.32
SL 3.5 FLA 1.5/8	1597510000	I.36
SL 3.5 FLA 1.5/8	1597510000	M.8
SL 3.5 FLA 2.3/1.75/8	1597640000	I.30
SL 3.5 FLA 2.3/1.75/8	1597640000	I.32
SL 3.5 FLA 2.3/1.75/8	1597640000	I.36
SL 3.5 FLA 2.3/1.75/8	1597640000	M.8
SL 3.5 FLA 2.3/8	1597520000	I.30
SL 3.5 FLA 2.3/8	1597520000	I.32
SL 3.5 FLA 2.3/8	1597520000	I.36
SL 3.5 FLA 2.3/8	1597520000	M.8
SL 3.5 FLA 4.0/1.75/8	1597650000	I.30
SL 3.5 FLA 4.0/1.75/8	1597650000	I.32
SL 3.5 FLA 4.0/1.75/8	1597650000	I.36
SL 3.5 FLA 4.0/1.75/8	1597650000	M.8
SL 3.5 FLA 4.0/8	1597530000	I.30
SL 3.5 FLA 4.0/8	1597530000	I.32
SL 3.5 FLA 4.0/8	1597530000	I.36
SL 3.5 FLA 4.0/8	1597530000	M.8
SL 3.50/02/135F 3.2SN OR BX	1643330000	I.40
SL 3.50/02/180 3.2SN OR BX	1604770000	I.38
SL 3.50/02/180F 3.2SN OR BX	1607500000	I.39
SL 3.50/02/180G 3.2SN OR BX	1604470000	I.39
SL 3.50/02/90 3.2SN OR BX	1597210000	I.36
SL 3.50/02/90F 3.2SN OR BX	1607040000	I.37
SL 3.50/02/90G 3.2SN OR BX	1605070000	I.37
SL 3.50/03/135F 3.2SN OR BX	1643340000	I.40
SL 3.50/03/180 3.2SN OR BX	1604780000	I.38
SL 3.50/03/180F 3.2SN OR BX	1607510000	I.39
SL 3.50/03/180G 3.2SN OR BX	1604480000	I.39
SL 3.50/03/90 3.2SN OR BX	1597220000	I.36
SL 3.50/03/90F 3.2SN OR BX	1607050000	I.37
SL 3.50/03/90G 3.2SN OR BX	1605080000	I.37
SL 3.50/04/135F 3.2SN OR BX	1643350000	I.40
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SL 3.50/04/180F 3.2SN OR BX	1607520000	I.39
SL 3.50/04/180G 3.2SN OR BX	1604490000	I.39
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SL 3.50/04/90F 3.2SN OR BX	1607060000	I.37
SL 3.50/04/90G 3.2SN OR BX	1605090000	I.37
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SL 3.50/05/180F 3.2SN OR BX	1607530000	I.39
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SL 3.50/07/90F 3.2SN OR BX	1607090000	I.37
SL 3.50/07/90G 3.2SN OR BX	1605120000	I.37
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SL 3.50/08/180F 3.2SN OR BX	1607560000	I.39
SL 3.50/08/180G 3.2SN OR BX	1604530000	I.39
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SL 3.50/09/180F 3.2SN OR BX	1607570000	I.39
SL 3.50/09/180G 3.2SN OR BX	1604540000	I.39
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SL 3.50/09/90F 3.2SN OR BX	1607110000	I.37
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SL 3.50/10/135F 3.2SN OR BX	1643410000	I.40
SL 3.50/10/180 3.2SN OR BX	1604850000	I.38

Type	Order No.	Page
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SL 3.50/12/90G 3.2SN OR BX	1605170000	I.37
SL 5.00/02/135 3.2SN OR BX	1630250000	K.36
SL 5.00/02/135B 3.2SN OR BX	1630480000	K.37
SL 5.00/02/180 3.2SN OR BX	1581320000	K.34
SL 5.00/02/180B 3.2SN OR BX	1581780000	K.35
SL 5.00/02/90 3.2SN OR BX	1571130000	K.32
SL 5.00/02/90B 3.2SN OR BX	1580860000	K.33
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SL 5.00/03/135B 3.2SN OR BX	1630490000	K.37
SL 5.00/03/180 3.2SN OR BX	1581330000	K.34
SL 5.00/03/180B 3.2SN OR BX	1581790000	K.35
SL 5.00/03/90 3.2SN OR BX	1571140000	K.32
SL 5.00/03/90B 3.2SN OR BX	1580870000	K.33
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SL 5.00/04/135B 3.2SN OR BX	1630500000	K.37
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SL 5.08HC/03/180 3.2SN OR BX	1146340000	K.72
SL 5.08HC/03/180B 3.2SN OR BX	1147330000	K.73
SL 5.08HC/03/180F 3.2SN OR BX	1147170000	K.74
SL 5.08HC/03/180G 3.2SN OR BX	1146750000	K.73

Type	Order No.	Page
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SL 5.08HC/10/90G 3.2SN OR BX	1147530000	K.69
SL 5.08HC/10/90LF 3.2SN OR BX	1149640000	K.71
SL 5.08HC/11/180 3.2SN OR BX	1146550000	K.72
SL 5.08HC/11/180B 3.2SN OR BX	1147610000	K.73
SL 5.08HC/11/180F 3.2SN OR BX	1147410000	K.74
SL 5.08HC/11/180G 3.2SN OR BX	1146930000	K.73
SL 5.08HC/11/180LF 3.2SN OR BX	1148190000	K.75
SL 5.08HC/11/90 3.2SN OR BX	1146920000	K.68
SL 5.08HC/11/90B 3.2SN OR BX	1154870000	K.69
SL 5.08HC/11/90F 3.2SN OR BX	1148910000	K.70
SL 5.08HC/11/90G 3.2SN OR BX	1147570000	K.69
SL 5.08HC/11/90LF 3.2SN OR BX	1149680000	K.71
SL 5.08HC/12/180 3.2SN OR BX	1146570000	K.72
SL 5.08HC/12/180B 3.2SN OR BX	1147640000	K.73
SL 5.08HC/12/180F 3.2SN OR BX	1147440000	K.74
SL 5.08HC/12/180G 3.2SN OR BX	1146950000	K.73
SL 5.08HC/12/180LF 3.2SN OR BX	1148220000	K.75
SL 5.08HC/12/90 3.2SN OR BX	1146940000	K.68
SL 5.08HC/12/90B 3.2SN OR BX	1154880000	K.69
SL 5.08HC/12/90F 3.2SN OR BX	1148940000	K.70
SL 5.08HC/12/90G 3.2SN OR BX	1147600000	K.69
SL 5.08HC/12/90LF 3.2SN OR BX	1149710000	K.71
SL 7.62HP/02/180F 3.2 SN BK BX	1140870000	O.105
SL 7.62HP/02/180G 3.2SN BK BX	1122550000	O.104
SL 7.62HP/02/180LF 3.2 SN BK BX	1141090000	O.105

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SL 7.62HP/02/270G 3.2SN BK BX	1472240000	O.106
SL 7.62HP/02/270LF 3.2SN BK BX	1472360000	O.107
SL 7.62HP/02/90F 3.2 SN BK BX	1026850000	O.103
SL 7.62HP/02/90G 3.2SN BK BX	1026760000	O.102
SL 7.62HP/02/90LF 3.2 SN BK BX	1095920000	O.103
SL 7.62HP/03/180F 3.2 SN BK BX	1140880000	O.105
SL 7.62HP/03/180G 3.2SN BK BX	1122570000	O.104
SL 7.62HP/03/180LF 3.2 SN BK BX	1141100000	O.105
SL 7.62HP/03/270G 3.2SN BK BX	1472250000	O.106
SL 7.62HP/03/270LF 3.2SN BK BX	1472370000	O.107
SL 7.62HP/03/90F 3.2 SN BK BX	1026860000	O.103
SL 7.62HP/03/90G 3.2SN BK BX	1026770000	O.102
SL 7.62HP/03/90LF 3.2 SN BK BX	1095930000	O.103
SL 7.62HP/04/180F 3.2 SN BK BX	1140890000	O.105
SL 7.62HP/04/180G 3.2SN BK BX	1122580000	O.104
SL 7.62HP/04/180LF 3.2 SN BK BX	1141110000	O.105
SL 7.62HP/04/270G 3.2SN BK BX	1472260000	O.106
SL 7.62HP/04/270LF 3.2SN BK BX	1472380000	O.107
SL 7.62HP/04/90F 3.2 SN BK BX	1026870000	O.103
SL 7.62HP/04/90G 3.2SN BK BX	1026780000	O.102
SL 7.62HP/04/90LF 3.2 SN BK BX	1095940000	O.103
SL 7.62HP/05/180F 3.2 SN BK BX	1140900000	O.105
SL 7.62HP/05/180G 3.2SN BK BX	1048980000	O.104
SL 7.62HP/05/180LF 3.2 SN BK BX	1141120000	O.105
SL 7.62HP/05/270G 3.2SN BK BX	1472270000	O.106
SL 7.62HP/05/270LF 3.2SN BK BX	1472390000	O.107
SL 7.62HP/05/90F 3.2 SN BK BX	1026880000	O.103
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SL 7.62HP/05/90LF 3.2 SN BK BX	1095950000	O.103
SL 7.62HP/06/180F 3.2 SN BK BX	1140910000	O.105
SL 7.62HP/06/180G 3.2SN BK BX	1048990000	O.104
SL 7.62HP/06/180LF 3.2 SN BK BX	1141130000	O.105
SL 7.62HP/06/270G 3.2SN BK BX	1472280000	O.106
SL 7.62HP/06/270LF 3.2SN BK BX	1472410000	O.107
SL 7.62HP/06/90F 3.2 SN BK BX	1124250000	O.103
SL 7.62HP/06/90LF 3.2 SN BK BX	1095960000	O.103
SL 7.62IT/02/90MF2 3.2SN BK BX SO	1173610000	O.60
SL 7.62IT/03/90MF2 3.2SN BK BX	1173640000	O.60
SL 7.62IT/03/90MF3 3.2SN BK BX	1173690000	O.61
SL 7.62IT/04/90MF2 3.2SN BK BX	1173730000	O.60
SL 7.62IT/04/90MF3 3.2SN BK BX SO	2629490000	O.61
SL 7.62IT/04/90MF4 3.2SN BK BX	1173770000	O.61
SL 7.62IT/05/90MF2 3.2SN BK BX	2629360000	O.60
SL 7.62IT/05/90MF3 3.2SN BK BX SO	1398820000	O.61
SL 7.62IT/05/90MF4 3.2SN BK BX SO	1398830000	O.61
SL 7.62IT/06/90MF2 3.2SN BK BX	2629480000	O.60
SL 7.62IT/06/90MF3 3.2SN BK BX SO	1398840000	O.61
SL 7.62IT/06/90MF4 3.2SN BK BX SO	2629500000	O.61
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SL AT OR	1598300000	K.93
SL AT OR	1598300000	M.11
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SL AT SW	1770240000	K.38
SL AT SW	1770240000	K.50
SL AT SW	1770240000	K.52
SL AT SW	1770240000	K.54
SL AT SW	1770240000	K.56
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SL AT SW	1770240000	K.64
SL AT SW	1770240000	K.66
SL AT SW	1770240000	K.68
SL AT SW	1770240000	K.70

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SL AT SW	1770240000	K.72
SL AT SW	1770240000	K.74
SL AT SW	1770240000	K.76
SL AT SW	1770240000	K.78
SL AT SW	1770240000	K.80
SL AT SW	1770240000	K.82
SL AT SW	1770240000	K.86
SL AT SW	1770240000	K.90
SL AT SW	1770240000	K.92
SL AT SW	1770240000	K.93
SL AT SW	1770240000	M.11
SL FLA 1.5/1	1580100000	K.22
SL FLA 1.5/1	1580100000	K.24
SL FLA 1.5/1	1580100000	K.32
SL FLA 1.5/1	1580100000	K.50
SL FLA 1.5/1	1580100000	K.52
SL FLA 1.5/1	1580100000	K.54
SL FLA 1.5/1	1580100000	K.68
SL FLA 1.5/1	1580100000	K.70
SL FLA 1.5/1	1580100000	M.9
SL FLA 2,3/1	1636670000	K.22
SL FLA 2,3/1	1636670000	K.24
SL FLA 2,3/1	1636670000	K.32
SL FLA 2,3/1	1636670000	K.50
SL FLA 2,3/1	1636670000	K.52
SL FLA 2,3/1	1636670000	K.54
SL FLA 2,3/1	1636670000	K.68
SL FLA 2,3/1	1636670000	K.70
SL FLA 2,3/1	1636670000	M.9
SL FLA 2,3/24	1636680000	K.22
SL FLA 2,3/24	1636680000	K.24
SL FLA 2,3/24	1636680000	K.32
SL FLA 2,3/24	1636680000	K.50
SL FLA 2,3/24	1636680000	K.52
SL FLA 2,3/24	1636680000	K.54
SL FLA 2,3/24	1636680000	K.68
SL FLA 2,3/24	1636680000	K.70
SL FLA 2,3/24	1636680000	M.9
SL FLA 3.8/1	1580110000	K.22
SL FLA 3.8/1	1580110000	K.24
SL FLA 3.8/1	1580110000	K.32
SL FLA 3.8/1	1580110000	K.50
SL FLA 3.8/1	1580110000	K.52
SL FLA 3.8/1	1580110000	K.54
SL FLA 3.8/1	1580110000	K.68
SL FLA 3.8/1	1580110000	K.70
SL FLA 3.8/1	1580110000	M.9
SL FLA 9.0/1	1580120000	K.22
SL FLA 9.0/1	1580120000	K.24
SL FLA 9.0/1	1580120000	K.32
SL FLA 9.0/1	1580120000	K.50
SL FLA 9.0/1	1580120000	K.52
SL FLA 9.0/1	1580120000	K.54
SL FLA 9.0/1	1580120000	K.68
SL FLA 9.0/1	1580120000	K.70
SL FLA 9.0/1	1580120000	M.9
SL-SMT 3.50/02/135F 3.2SN BK BX	1003510000	I.41
SL-SMT 3.50/02/180G 1.5SN BK RL	1752984002	I.35
SL-SMT 3.50/02/180G 3.2SN BK BX	1842320000	I.34
SL-SMT 3.50/02/180LF 1.5SN BK RL	1805210000	I.35
SL-SMT 3.50/02/180LF 3.2SN BK BX	1842540000	I.35
SL-SMT 3.50/02/90F 3.2SN BK BX	1842080000	I.32
SL-SMT 3.50/02/90G 1.5SN BK RL	1761544002	I.31
SL-SMT 3.50/02/90G 3.2SN BK BX	1841630000	I.30
SL-SMT 3.50/02/90LF 1.5SN BK RL	1805310000	I.31
SL-SMT 3.50/02/90LF 3.2SN BK BX	1841860000	I.31
SL-SMT 3.50/02/90RF 1.5SN BK BX	1379610000	I.33
SL-SMT 3.50/03/135F 3.2SN BK BX	1003520000	I.41
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SL-SMT 3.50/03/180G 3.2SN BK BX	1842330000	I.34
SL-SMT 3.50/03/180LF 1.5SN BK RL	1805230000	I.35
SL-SMT 3.50/03/180LF 3.2SN BK BX	1842550000	I.35
SL-SMT 3.50/03/90F 3.2SN BK BX	1842090000	I.32
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SL-SMT 3.50/03/90LF 1.5SN BK RL	1805320000	I.31
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SL-SMT 3.50/04/135F 3.2SN BK BX	1003530000	I.41
SL-SMT 3.50/04/180G 1.5SN BK RL	1753004002	I.35
SL-SMT 3.50/04/180G 3.2SN BK BX	1842340000	I.34
SL-SMT 3.50/04/180LF 1.5SN BK RL	1805240000	I.35
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SL-SMT 3.50/04/90G 1.5SN BK RL	1761564001	I.31
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SL-SMT 3.50/04/90LF 1.5SN BK RL	1805330000	I.31
SL-SMT 3.50/04/90LF 3.2SN BK BX	1841880000	I.31
SL-SMT 3.50/04/90RF 1.5SN BK BX	1000600000	I.33
SL-SMT 3.50/05/135F 3.2SN BK BX	1003540000	I.41
SL-SMT 3.50/05/180G 1.5SN BK RL	1753014002	I.35
SL-SMT 3.50/05/180G 3.2SN BK BX	1842350000	I.34
SL-SMT 3.50/05/180LF 1.5SN BK RL	1805250000	I.35
SL-SMT 3.50/05/180LF 3.2SN BK BX	1842570000	I.35
SL-SMT 3.50/05/90F 3.2SN BK BX	1842110000	I.32
SL-SMT 3.50/05/90G 1.5SN BK RL	1761574002	I.31
SL-SMT 3.50/05/90G 3.2SN BK BX	1841660000	I.30
SL-SMT 3.50/05/90LF 1.5SN BK RL	1805340000	I.31
SL-SMT 3.50/05/90LF 3.2SN BK BX	1841890000	I.31

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SL-SMT 3.50/05/90RF 1.5SN BK BX	1000610000	I.33
SL-SMT 3.50/06/135F 3.2SN BK BX	1003550000	I.41
SL-SMT 3.50/06/180G 1.5SN BK RL	1753024001	I.35
SL-SMT 3.50/06/180G 3.2SN BK BX	1842360000	I.34
SL-SMT 3.50/06/180LF 1.5SN BK RL	1805270000	I.35
SL-SMT 3.50/06/180LF 3.2SN BK BX	1842580000	I.35
SL-SMT 3.50/06/90F 3.2SN BK BX	1842120000	I.32
SL-SMT 3.50/06/90G 1.5SN BK RL	1761584001	I.31
SL-SMT 3.50/06/90G 3.2SN BK BX	1841670000	I.30
SL-SMT 3.50/06/90LF 1.5SN BK RL	1805350000	I.31
SL-SMT 3.50/06/90LF 3.2SN BK BX	1841900000	I.31
SL-SMT 3.50/06/90RF 1.5SN BK BX	1000620000	I.33
SL-SMT 3.50/07/135F 3.2SN BK BX	1003560000	I.41
SL-SMT 3.50/07/180G 1.5SN BK RL	1753034001	I.35
SL-SMT 3.50/07/180G 3.2SN BK BX	1842370000	I.34
SL-SMT 3.50/07/180LF 1.5SN BK RL	1805280000	I.35
SL-SMT 3.50/07/180LF 3.2SN BK BX	1842590000	I.35
SL-SMT 3.50/07/90F 3.2SN BK BX	1842130000	I.32
SL-SMT 3.50/07/90G 1.5SN BK RL	1761594001	I.31
SL-SMT 3.50/07/90G 3.2SN BK BX	1841680000	I.30
SL-SMT 3.50/07/90LF 1.5SN BK RL	1805360000	I.31
SL-SMT 3.50/07/90LF 3.2SN BK BX	1841910000	I.31
SL-SMT 3.50/07/90RF 1.5SN BK BX	1000630000	I.33
SL-SMT 3.50/08/135F 3.2SN BK BX	1003570000	I.41
SL-SMT 3.50/08/180G 1.5SN BK RL	1753044001	I.35
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SL-SMT 3.50/08/90G 3.2SN BK BX	1841690000	I.30
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SL-SMT 3.50/08/90LF 3.2SN BK BX	1841920000	I.31
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SL-SMT 3.50/09/135F 3.2SN BK BX	1003580000	I.41
SL-SMT 3.50/09/180G 1.5SN BK RL	1753054001	I.35
SL-SMT 3.50/09/180G 3.2SN BK BX	1842390000	I.34
SL-SMT 3.50/09/180LF 1.5SN BK RL	1805300000	I.35
SL-SMT 3.50/09/180LF 3.2SN BK BX	1842610000	I.35
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SL-SMT 3.50/09/90G 1.5SN BK RL	1761614001	I.31
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SL-SMT 3.50/09/90RF 1.5SN BK BX	1000650000	I.33
SL-SMT 3.50/10/135F 3.2SN BK BX	1003590000	I.41
SL-SMT 3.50/10/180G 1.5SN BK RL	1753064001	I.35
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SL-SMT 3.50/10/180LF 1.5SN BK RL	1936340000	I.35
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SL-SMT 3.50/12/90RF 1.5SN BK BX	1000670000	I.33
SL-SMT 5.00HC/02/180 1.5SN BK RL	1797800000	K.27
SL-SMT 5.00HC/02/180 3.2SN BK BX	1840920000	K.26
SL-SMT 5.00HC/02/180G 1.5SN BK RL	1797870000	K.27
SL-SMT 5.00HC/02/180G 3.2SN BK BX	1841160000	K.27
SL-SMT 5.00HC/02/180LF 1.5SN BK RL	1797930000	K.29
SL-SMT 5.00HC/02/180LF 3.2SN BK BX	1841390000	K.28
SL-SMT 5.00HC/02/90 1.5SN BK RL	1797620000	K.23
SL-SMT 5.00HC/02/90 3.2SN BK BX	1839890000	K.22
SL-SMT 5.00HC/02/90G 1.5SN BK RL	1797690000	K.23
SL-SMT 5.00HC/02/90G 3.2SN BK BX	1840120000	K.23
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SL-SMT 5.00HC/02/90LF 3.2SN BK BX	1840350000	K.24
SL-SMT 5.00HC/03/180 1.5SN BK RL	1797810000	K.27
SL-SMT 5.00HC/03/180 3.2SN BK BX	1840930000	K.26
SL-SMT 5.00HC/03/180G 1.5SN BK RL	1797880000	K.27
SL-SMT 5.00HC/03/180G 3.2SN BK BX	1841170000	K.27
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SL-SMT 5.00HC/03/90 1.5SN BK RL	1797630000	K.23
SL-SMT 5.00HC/03/90 3.2SN BK BX	1839900000	K.22
SL-SMT 5.00HC/03/90G 1.5SN BK RL	1797700000	K.23
SL-SMT 5.00HC/03/90G 3.2SN BK BX	1840130000	K.23
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SL-SMT 5.00HC/04/180 1.5SN BK RL	1797820000	K.27
SL-SMT 5.00HC/04/180 3.2SN BK BX	1840940000	K.26
SL-SMT 5.00HC/04/180G 1.5SN BK RL	1797890000	K.27
SL-SMT 5.00HC/04/180G 3.2SN BK BX	1841180000	K.27
SL-SMT 5.00HC/04/180LF 1.5SN BK RL	1797950000	K.29
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SL-SMT 5.00HC/04/90 1.5SN BK RL	1797640000	K.23
SL-SMT 5.00HC/04/90 3.2SN BK BX	1839910000	K.22
SL-SMT 5.00HC/04/90G 1.5SN BK RL	1797710000	K.23
SL-SMT 5.00HC/04/90G 3.2SN BK BX	1840140000	K.23
SL-SMT 5.00HC/04/90LF 1.5SN BK RL	1797770000	K.25
SL-SMT 5.00HC/04/90LF 3.2SN BK BX	1840370000	K.24
SL-SMT 5.00HC/05/180 1.5SN BK RL	1797830000	K.27
SL-SMT 5.00HC/05/180 3.2SN BK BX	1840950000	K.26
SL-SMT 5.00HC/05/180G 1.5SN BK RL	1797900000	K.27
SL-SMT 5.00HC/05/180G 3.2SN BK BX	1841190000	K.27
SL-SMT 5.00HC/05/180LF 1.5SN BK RL	1797960000	K.29
SL-SMT 5.00HC/05/180LF 3.2SN BK BX	1841420000	K.28
SL-SMT 5.00HC/05/90 1.5SN BK RL	1797650000	K.23
SL-SMT 5.00HC/05/90 3.2SN BK BX	1839920000	K.22
SL-SMT 5.00HC/05/90G 1.5SN BK RL	1797720000	K.23
SL-SMT 5.00HC/05/90G 3.2SN BK BX	1840150000	K.23
SL-SMT 5.00HC/05/90LF 1.5SN BK RL	1797780000	K.25
SL-SMT 5.00HC/05/90LF 3.2SN BK BX	1840380000	K.24
SL-SMT 5.00HC/06/180 1.5SN BK RL	1797840000	K.27
SL-SMT 5.00HC/06/180 3.2SN BK BX	1840960000	K.26
SL-SMT 5.00HC/06/180G 1.5SN BK RL	1797910000	K.27
SL-SMT 5.00HC/06/180G 3.2SN BK BX	1841200000	K.27
SL-SMT 5.00HC/06/180LF 1.5SN BK RL	1797970000	K.29
SL-SMT 5.00HC/06/180LF 3.2SN BK BX	1841430000	K.28
SL-SMT 5.00HC/06/90 1.5SN BK RL	1797660000	K.23
SL-SMT 5.00HC/06/90 3.2SN BK BX	1839930000	K.22
SL-SMT 5.00HC/06/90G 1.5SN BK RL	1797730000	K.23
SL-SMT 5.00HC/06/90G 3.2SN BK BX	1840160000	K.23
SL-SMT 5.00HC/06/90LF 1.5SN BK RL	1797790000	K.25
SL-SMT 5.00HC/06/90LF 3.2SN BK BX	1840390000	K.24
SL-SMT 5.00HC/07/180 1.5SN BK RL	1797850000	K.27
SL-SMT 5.00HC/07/180 3.2SN BK BX	1840970000	K.26
SL-SMT 5.00HC/07/180G 1.5SN BK RL	1797920000	K.27
SL-SMT 5.00HC/07/180G 3.2SN BK BX	1841210000	K.27
SL-SMT 5.00HC/07/180LF 3.2SN BK BX	1841440000	K.28
SL-SMT 5.00HC/07/90 1.5SN BK RL	1797670000	K.23
SL-SMT 5.00HC/07/90 3.2SN BK BX	1839940000	K.22
SL-SMT 5.00HC/07/90G 1.5SN BK RL	1797740000	K.23
SL-SMT 5.00HC/07/90G 3.2SN BK BX	1840170000	K.23
SL-SMT 5.00HC/07/90LF 3.2SN BK BX	1840400000	K.24
SL-SMT 5.00HC/08/180 1.5SN BK RL	1797860000	K.27
SL-SMT 5.00HC/08/180 3.2SN BK BX	1840980000	K.26
SL-SMT 5.00HC/08/180G 1.5SN BK RL	1110720000	K.27
SL-SMT 5.00HC/08/180G 3.2SN BK BX	1841220000	K.27
SL-SMT 5.00HC/08/180LF 3.2SN BK BX	1841450000	K.28
SL-SMT 5.00HC/08/90 1.5SN BK RL	1797680000	K.23
SL-SMT 5.00HC/08/90 3.2SN BK BX	1839950000	K.22
SL-SMT 5.00HC/08/90G 3.2SN BK BX	1840180000	K.23
SL-SMT 5.00HC/08/90LF 3.2SN BK BX	1840410000	K.24
SL-SMT 5.00HC/09/180 3.2SN BK BX	1840990000	K.26
SL-SMT 5.00HC/09/180G 3.2SN BK BX	1841230000	K.27
SL-SMT 5.00HC/09/180LF 3.2SN BK BX	1841460000	K.28
SL-SMT 5.00HC/09/90 3.2SN BK BX	1839960000	K.22
SL-SMT 5.00HC/09/90G 3.2SN BK BX	1840190000	K.23
SL-SMT 5.00HC/09/90LF 3.2SN BK BX	1840420000	K.24
SL-SMT 5.00HC/10/180 3.2SN BK BX	1841000000	K.26
SL-SMT 5.00HC/10/180G 3.2SN BK BX	1841240000	K.27
SL-SMT 5.00HC/10/180LF 3.2SN BK BX	1841470000	K.28
SL-SMT 5.00HC/10/90 3.2SN BK BX	1839970000	K.22
SL-SMT 5.00HC/10/90G 3.2SN BK BX	1840200000	K.23
SL-SMT 5.00HC/10/90LF 3.2SN BK BX	1840430000	K.24
SL-SMT 5.00HC/11/180 3.2SN BK BX	1841020000	K.26
SL-SMT 5.00HC/11/180G 3.2SN BK BX	1841250000	K.27
SL-SMT 5.00HC/11/180LF 3.2SN BK BX	1841480000	K.28
SL-SMT 5.00HC/11/90 3.2SN BK BX	1839980000	K.22
SL-SMT 5.00HC/11/90G 3.2SN BK BX	1840210000	K.23
SL-SMT 5.00HC/11/90LF 3.2SN BK BX	1840440000	K.24
SL-SMT 5.00HC/12/180 3.2SN BK BX	1841030000	K.26
SL-SMT 5.00HC/12/180G 3.2SN BK BX	1841260000	K.27
SL-SMT 5.00HC/12/180LF 3.2SN BK BX	1841490000	K.28
SL-SMT 5.00HC/12/90 3.2SN BK BX	1839990000	K.22
SL-SMT 5.00HC/12/90G 3.2SN BK BX	1840220000	K.23
SL-SMT 5.00HC/12/90LF 3.2SN BK BX	1840450000	K.24
SL-SMT 5.08HC/02/180 1.5SN BK RL	1821100000	K.57
SL-SMT 5.08HC/02/180 3.2SN BK BX	1837980000	K.56
SL-SMT 5.08HC/02/180F 3.2SN BK BX	1837860000	K.58
SL-SMT 5.08HC/02/180G 1.5SN BK RL	1820170000	K.57
SL-SMT 5.08HC/02/180G 3.2SN BK BX	1838210000	K.57
SL-SMT 5.08HC/02/180LF 1.5SN BK RL	1776364001	K.61
SL-SMT 5.08HC/02/180LF 3.2SN BK BX	1838440000	K.60
SL-SMT 5.08HC/02/270FH 1.5SN BK RL	1876920000	K.65
SL-SMT 5.08HC/02/270FH 3.2SN BK BX	1877190000	K.65
SL-SMT 5.08HC/02/270FL 1.5SN BK RL	1876990000	K.65
SL-SMT 5.08HC/02/270FL 3.2SN BK BX	1876850000	K.64
SL-SMT 5.08HC/02/270GH 1.5SN BK RL	1877560000	K.63
SL-SMT 5.08HC/02/270GH 3.2SN BK BX	1877370000	K.63
SL-SMT 5.08HC/02/270GL 1.5SN BK RL	1877740000	K.63
SL-SMT 5.08HC/02/270GL 3.2SN BK BX	1877470000	K.62
SL-SMT 5.08HC/02/90 1.5SN BK RL	1821160000	K.51
SL-SMT 5.08HC/02/90 3.2SN BK BX	1779950000	K.50
SL-SMT 5.08HC/02/90F 3.2SN BK BX	1837630000	K.52
SL-SMT 5.08HC/02/90G 1.5SN BK RL	1821140000	K.51
SL-SMT 5.08HC/02/90G 3.2SN BK BX	1780180000	K.51
SL-SMT 5.08HC/02/90LF 1.5SN BK RL	1775234001	K.55
SL-SMT 5.08HC/02/90LF 3.2SN BK BX	1780410000	K.54
SL-SMT 5.08HC/03/180 1.5SN BK RL	1821110000	K.57
SL-SMT 5.08HC/03/180 3.2SN BK BX	1837990000	K.56
SL-SMT 5.08HC/03/180F 3.2SN BK BX	1820600000	K.58
SL-SMT 5.08HC/03/180G 1.5SN BK RL	1775934001	K.57
SL-SMT 5.08HC/03/180G 3.2SN BK BX	1838220000	K.57
SL-SMT 5.08HC/03/180LF 1.5SN BK RL	1776374001	K.61
SL-SMT 5.08HC/03/180LF 3.2SN BK BX	1838450000	K.60
SL-SMT 5.08HC/03/270FH 1.5SN BK RL	1876930000	K.65
SL-SMT 5.08HC/03/270FH 3.2SN BK BX	1877210000	K.65
SL-SMT 5.08HC/03/270FL 1.5SN BK RL	1877000000	K.65
SL-SMT 5.08HC/03/270FL 3.2SN BK BX	1876860000	K.64
SL-SMT 5.08HC/03/270GH 1.5SN BK RL	1877600000	K.63
SL-SMT 5.08HC/03/270GH 3.2SN BK BX	1877380000	K.63
SL-SMT 5.08HC/03/270GL 1.5SN BK RL	1877750000	K.63
SL-SMT 5.08HC/03/270GL 3.2SN BK BX	1877490000	K.62
SL-SMT 5.08HC/03/90 1.5SN BK RL	1821170000	K.51
SL-SMT 5.08HC/03/90 3.2SN BK BX	1779960000	K.50
SL-SMT 5.08HC/03/90F 3.2SN BK BX	1837640000	K.52
SL-SMT 5.08HC/03/90G 1.5SN BK RL	1775014001	K.51
SL-SMT 5.08HC/03/90G 3.2SN BK BX	1780190000	K.51
SL-SMT 5.08HC/03/90LF 1.5SN BK RL	1775244001	K.55
SL-SMT 5.08HC/03/90LF 3.2SN BK BX	1780420000	K.54
SL-SMT 5.08HC/04/180 1.5SN BK RL	1775594001	K.57
SL-SMT 5.08HC/04/180 3.2SN BK BX	1838000000	K.56
SL-SMT 5.08HC/04/180F 3.2SN BK BX	1837870000	K.58
SL-SMT 5.08HC/04/180G 1.5SN BK RL	1775944001	K.57
SL-SMT 5.08HC/04/180G 3.2SN BK BX	1838230000	K.57
SL-SMT 5.08HC/04/180LF 1.5SN BK RL	1776384001	K.61
SL-SMT 5.08HC/04/180LF 3.2SN BK BX	1838460000	K.60
SL-SMT 5.08HC/04/270FH 1.5SN BK RL	1876940000	K.65
SL-SMT 5.08HC/04/270FH 3.2SN BK BX	1877330000	K.65
SL-SMT 5.08HC/04/270FL 1.5SN BK RL	1877020000	K.65
SL-SMT 5.08HC/04/270FL 3.2SN BK BX	1876870000	K.64
SL-SMT 5.08HC/04/270GH 1.5SN BK RL	1877610000	K.63
SL-SMT 5.08HC/04/270GH 3.2SN BK BX	1877390000	K.63
SL-SMT 5.08HC/04/270GL 1.5SN BK RL	1877760000	K.63
SL-SMT 5.08HC/04/270GL 3.2SN BK BX	1877510000	K.62
SL-SMT 5.08HC/04/90 1.5SN BK RL	1774784001	K.51
SL-SMT 5.08HC/04/90 3.2SN BK BX	1779970000	K.50
SL-SMT 5.08HC/04/90F 3.2SN BK BX	1837650000	K.52
SL-SMT 5.08HC/04/90G 1.5SN BK RL	1775024001	K.51
SL-SMT 5.08HC/04/90G 3.2SN BK BX	1780200000	K.51
SL-SMT 5.08HC/04/90LF 1.5SN BK RL	1775254001	K.55
SL-SMT 5.08HC/04/90LF 3.2SN BK BX	1780430000	K.54
SL-SMT 5.08HC/05/180 1.5SN BK RL	1775634001	K.57
SL-SMT 5.08HC/05/180 3.2SN BK BX	1838010000	K.56
SL-SMT 5.08HC/05/180F 3.2SN BK BX	1820770000	K.58
SL-SMT 5.08HC/05/180G 1.5SN BK RL	1775954001	K.57
SL-SMT 5.08HC/05/180G 3.2SN BK BX	1838240000	K.57
SL-SMT 5.08HC/05/180LF 1.5SN BK RL	1776394001	K.61
SL-SMT 5.08HC/05/180LF 3.2SN BK BX	1838470000	K.60
SL-SMT 5.08HC/05/270FH 1.5SN BK RL	1876950000	K.65
SL-SMT 5.08HC/05/270FH 3.2SN BK BX	1877430000	K.65
SL-SMT 5.08HC/05/270FL 1.5SN BK RL	1877070000	K.65
SL-SMT 5.08HC/05/270FL 3.2SN BK BX	1876880000	K.64
SL-SMT 5.08HC/05/270GH 1.5SN BK RL	1877620000	K.63
SL-SMT 5.08HC/05/270GH 3.2SN BK BX	1877400000	K.63
SL-SMT 5.08HC/05/270GL 1.5SN BK RL	1877770000	K.63
SL-SMT 5.08HC/05/270GL 3.2SN BK BX	1877520000	K.62
SL-SMT 5.08HC/05/90 1.5SN BK RL	1774794001	K.51
SL-SMT 5.08HC/05/90 3.2SN BK BX	1779980000	K.50
SL-SMT 5.08HC/05/90F 3.2SN BK BX	1837660000	K.52
SL-SMT 5.08HC/05/90G 1.5SN BK RL	1775034001	K.51
SL-SMT 5.08HC/05/90G 3.2SN BK BX	1780210000	K.51
SL-SMT 5.08HC/05/90LF 1.5SN BK RL	1775264001	K.55
SL-SMT 5.08HC/05/90LF 3.2SN BK BX	1780440000	K.54
SL-SMT 5.08HC/06/180 1.5SN BK RL	1775644001	K.57
SL-SMT 5.08HC/06/180 3.2SN BK BX	1838020000	K.56
SL-SMT 5.08HC/06/180F 3.2SN BK BX	1820610000	K.58
SL-SMT 5.08HC/06/180G 1.5SN BK RL	1775964001	K.57
SL-SMT 5.08HC/06/180G 3.2SN BK BX	1838250000	K.57
SL-SMT 5.08HC/06/180LF 1.5SN BK RL	1776404001	K.61
SL-SMT 5.08HC/06/180LF 3.2SN BK BX	1838480000	K.60
SL-SMT 5.08HC/06/270FH 1.5SN BK RL	1876960000	K.65
SL-SMT 5.08HC/06/270FH 3.2SN BK BX	1877460000	K.65
SL-SMT 5.08HC/06/270FL 1.5SN BK RL	1877090000	K.65
SL-SMT 5.08HC/06/270FL 3.2SN BK BX	1876890000	K.64
SL-SMT 5.08HC/06/270GH 1.5SN BK RL	1877630000	K.63
SL-SMT 5.08HC/06/270GH 3.2SN BK BX	1877410000	K.63
SL-SMT 5.08HC/06/270GL 1.5SN BK RL	1877780000	K.63
SL-SMT 5.08HC/06/270GL 3.2SN BK BX	1877530000	K.62
SL-SMT 5.08HC/06/90 1.5SN BK RL	1774804001	K.51
SL-SMT 5.08HC/06/90 3.2SN BK BX	1779990000	K.50
SL-SMT 5.08HC/06/90F 3.2SN BK BX	1837670000	K.52
SL-SMT 5.08HC/06/90G 1.5SN BK RL	1775044001	K.51
SL-SMT 5.08HC/06/90G 3.2SN BK BX	1780220000	K.51
SL-SMT 5.08HC/06/90LF 1.5SN BK RL	1775274001	K.55
SL-SMT 5.08HC/06/90LF 3.2SN BK BX	1780450000	K.54
SL-SMT 5.08HC/07/180 1.5SN BK RL	1775654001	K.57
SL-SMT 5.08HC/07/180 3.2SN BK BX	1838030000	K.56
SL-SMT 5.08HC/07/180F 3.2SN BK BX	1837880000	K.58
SL-SMT 5.08HC/07/180G 1.5SN BK RL	1775974001	K.57
SL-SMT 5.08HC/07/180G 3.2SN BK BX	1838260000	K.57
SL-SMT 5.08HC/07/180LF 3.2SN BK BX	1838490000	K.60
SL-SMT 5.08HC/07/270FH 1.5SN BK RL	1876970000	K.65
SL-SMT 5.08HC/07/270FH 3.2SN BK BX	1877480000	K.65
SL-SMT 5.08HC/07/270FL 1.5SN BK RL	1877110000	K.65
SL-SMT 5.08HC/07/270FL 3.2SN BK BX	1876900000	K.64
SL-SMT 5.08HC/07/270GH 1.5SN BK RL	1877640000	K.63
SL-SMT 5.08HC/07/270GH 3.2SN BK BX	1877420000	K.63
SL-SMT 5.08HC/07/270GL 1.5SN BK RL	1877790000	K.63
SL-SMT 5.08HC/07/270GL 3.2SN BK BX	1877540000	K.62
SL-SMT 5.08HC/07/90 1.5SN BK RL	1774814001	K.51
SL-SMT 5.08HC/07/90 3.2SN BK BX	1780000000	K.50
SL-SMT 5.08HC/07/90F 3.2SN BK BX	1837680000	K.52
SL-SMT 5.08HC/07/90G 1.5SN BK RL	1775054001	K.51
SL-SMT 5.08HC/07/90G 3.2SN BK BX	1780230000	K.51
SL-SMT 5.08HC/07/90LF 3.2SN BK BX	1780460000	K.54
SL-SMT 5.08HC/08/180 1.5SN BK RL	1775664001	K.57
SL-SMT 5.08HC/08/180 3.2SN BK BX	1838040000	K.56
SL-SMT 5.08HC/08/180F 3.2SN BK BX	1820620000	K.58
SL-SMT 5.08HC/08/180G 3.2SN BK BX	1838270000	K.57
SL-SMT 5.08HC/08/180LF 3.2SN BK BX	1838500000	K.60
SL-SMT 5.08HC/08/270FH 1.5SN BK RL	1876980000	K.65
SL-SMT 5.08HC/08/270FH 3.2SN BK BX	1877500000	K.65
SL-SMT 5.08HC/08/270FL 1.5SN BK RL	1877120000	K.65
SL-SMT 5.08HC/08/270FL 3.2SN BK BX	1876910000	K.64
SL-SMT 5.08HC/08/270GH 1.5SN BK RL	1877650000	K.63
SL-SMT 5.08HC/08/270GH 3.2SN BK BX	1877450000	K.63
SL-SMT 5.08HC/08/270GL 1.5SN BK RL	1877800000	K.63
SL-SMT 5.08HC/08/270GL 3.2SN BK BX	1877550000	K.62
SL-SMT 5.08HC/08/90 1.5SN BK RL	1774824001	K.51
SL-SMT 5.08HC/08/90 3.2SN BK BX	1780010000	K.50
SL-SMT 5.08HC/08/90F 3.2SN BK BX	1837690000	K.52
SL-SMT 5.08HC/08/90G 3.2SN BK BX	1780240000	K.51
SL-SMT 5.08HC/08/90LF 3.2SN BK BX	1780470000	K.54
SL-SMT 5.08HC/09/180 3.2SN BK BX	1838050000	K.56
SL-SMT 5.08HC/09/180F 3.2SN BK BX	1837890000	K.58
SL-SMT 5.08HC/09/180G 3.2SN BK BX	1838280000	K.57
SL-SMT 5.08HC/09/180LF 3.2SN BK BX	1838510000	K.60
SL-SMT 5.08HC/09/90 3.2SN BK BX	1780020000	K.50
SL-SMT 5.08HC/09/90F 3.2SN BK BX	1837700000	K.52
SL-SMT 5.08HC/09/90G 3.2SN BK BX	1780250000	K.51
SL-SMT 5.08HC/09/90LF 3.2SN BK BX	1780480000	K.54
SL-SMT 5.08HC/10/180 3.2SN BK BX	1838060000	K.56
SL-SMT 5.08HC/10/180F 3.2SN BK BX	1820780000	K.58
SL-SMT 5.08HC/10/180G 3.2SN BK BX	1838290000	K.57
SL-SMT 5.08HC/10/180LF 3.2SN BK BX	1838520000	K.60
SL-SMT 5.08HC/10/90 3.2SN BK BX	1780030000	K.50
SL-SMT 5.08HC/10/90F 3.2SN BK BX	1837710000	K.52
SL-SMT 5.08HC/10/90G 3.2SN BK BX	1780260000	K.51
SL-SMT 5.08HC/10/90LF 3.2SN BK BX	1780490000	K.54
SL-SMT 5.08HC/11/180 3.2SN BK BX	1838070000	K.56
SL-SMT 5.08HC/11/180F 3.2SN BK BX	1837900000	K.58
SL-SMT 5.08HC/11/180G 3.2SN BK BX	1838300000	K.57
SL-SMT 5.08HC/11/180LF 3.2SN BK BX	1838530000	K.60
SL-SMT 5.08HC/11/90 3.2SN BK BX	1780040000	K.50
SL-SMT 5.08HC/11/90F 3.2SN BK BX	1837720000	K.52
SL-SMT 5.08HC/11/90G 3.2SN BK BX	1780270000	K.51
SL-SMT 5.08HC/11/90LF 3.2SN BK BX	1780500000	K.54
SL-SMT 5.08HC/12/180 3.2SN BK BX	1838080000	K.56
SL-SMT 5.08HC/12/180F 3.2SN BK BX	1820630000	K.58
SL-SMT 5.08HC/12/180G 3.2SN BK BX	1838310000	K.57
SL-SMT 5.08HC/12/180LF 3.2SN BK BX	1838540000	K.60
SL-SMT 5.08HC/12/90 3.2SN BK BX	1780050000	K.50
SL-SMT 5.08HC/12/90F 3.2SN BK BX	1837730000	K.52
SL-SMT 5.08HC/12/90G 3.2SN BK BX	1780280000	K.51
SL-SMT 5.08HC/12/90LF 3.2SN BK BX	1780510000	K.54
SL-SMT 7.62HP/02/180G 2.1SN BK BX	3114260000	0.100
SL-SMT 7.62HP/02/180G 2.1SN BK RL	3114310000	0.101
SL-SMT 7.62HP/02/180LF 2.1SN BK BX	3114360000	0.101
SL-SMT 7.62HP/02/180LF 2.1SN BK RL	3114410000	0.101
SL-SMT 7.62HP/02/90G 2.1SN BK BX	3040750000	0.98
SL-SMT 7.62HP/02/90G 2.1SN BK RL	3114100000	0.99
SL-SMT 7.62HP/02/90LF 2.1SN BK BX	3114160000	0.99
SL-SMT 7.62HP/02/90LF 2.1SN BK RL	3114210000	0.99
SL-SMT 7.62HP/03/180G 2.1SN BK BX	3114270000	0.100
SL-SMT 7.62HP/03/180G 2.1SN BK RL	3114320000	0.101
SL-SMT 7.62HP/03/180LF 2.1SN BK BX	3114370000	0.101
SL-SMT 7.62HP/03/180LF 2.1SN BK RL	3114420000	0.101
SL-SMT 7.62HP/03/90G 2.1SN BK BX	3040760000	0.98
SL-SMT 7.62HP/03/90G 2.1SN BK RL	3114110000	0.99
SL-SMT 7.62HP/03/90LF 2.1SN BK BX	3114170000	0.99
SL-SMT 7.62HP/03/90LF 2.1SN BK RL	3114220000	0.99
SL-SMT 7.62HP/04/180G 2.1SN BK BX	3114280000	0.100
SL-SMT 7.62HP/04/180G 2.1SN BK RL	3114330000	0.101
SL-SMT 7.62HP/04/180LF 2.1SN BK BX	3114380000	0.101
SL-SMT 7.62HP/04/180LF 2.1SN BK RL	3114430000	0.101
SL-SMT 7.62HP/04/90G 2.1SN BK BX	3040770000	0.98
SL-SMT 7.62HP/04/90G 2.1SN BK RL	3040780000	0.99
SL-SMT 7.62HP/04/90LF 2.1SN BK BX	3114180000	0.99
SL-SMT 7.62HP/04/90LF 2.1SN BK RL	3114230000	0.99
SL-SMT 7.62HP/05/180G 2.1SN BK BX	3114290000	0.100
SL-SMT 7.62HP/05/180G 2.1SN BK RL	3114340000	0.101
SL-SMT 7.62HP/05/180LF 2.1SN BK BX	3114390000	0.101
SL-SMT 7.62HP/05/180LF 2.1SN BK RL	3114440000	0.101
SL-SMT 7.62HP/05/90G 2.1SN BK BX	3114140000	0.98
SL-SMT 7.62HP/05/90G 2.1SN BK RL	3114120000	0.99
SL-SMT 7.62HP/05/90LF 2.1SN BK BX	3114190000	0.99
SL-SMT 7.62HP/05/90LF 2.1SN BK RL	3114240000	0.99
SL-SMT 7.62HP/06/180G 2.1SN BK BX	3114300000	0.100
SL-SMT 7.62HP/06/180G 2.1SN BK RL	3114350000	0.101
SL-SMT 7.62HP/06/180LF 2.1SN BK BX	3114400000	0.101
SL-SMT 7.62HP/06/180LF 2.1SN BK RL	3114450000	0.101
SL-SMT 7.62HP/06/90G 2.1SN BK BX	3114150000	0.98
SL-SMT 7.62HP/06/90G 2.1SN BK RL	3114130000	0.99
SL-SMT 7.62HP/06/90LF 2.1SN BK BX	3114200000	0.99
SL-SMT 7.62HP/06/90LF 2.1SN BK RL	3114250000	0.99
SLA BB11R OR	1604120000	K.32

Type	Order No.	Page
SLA BB11R OR	1604120000	K.34
SLA BB11R OR	1604120000	K.68
SLA BB11R OR	1604120000	K.72
SLA BB11R OR	1604120000	K.90
SLA BB11R OR	1604120000	K.118
SLA BB11R OR	1604120000	K.120
SLA BB11R OR	1604120000	M.6
SLA BB11R SW	1692340000	K.32
SLA BB11R SW	1692340000	K.34
SLA BB11R SW	1692340000	K.68
SLA BB11R SW	1692340000	K.72
SLA BB11R SW	1692340000	K.90
SLA BB11R SW	1692340000	K.118
SLA BB11R SW	1692340000	K.120
SLA BB11R SW	1692340000	M.6
SLA BB12R OR	1593450000	M.6
SLA BB12R SW	1626880000	M.6
SLA BB14 OR	1594200000	K.76
SLA BB14 OR	1594200000	M.7
SLA BB14 SW	1774460000	K.76
SLA BB14 SW	1774460000	M.7
SLA BB1R OR	1723430000	M.6
SLA BB1R SW	1723480000	M.6
SLA BB2R OR	1723440000	M.6
SLA BB2R SW	1723490000	M.6
SLA BB4 OR	1571720000	K.92
SLA BB4 OR	1571720000	K.93
SLA BB8 RH OR	1446060000	K.92
SLA BB8 RH OR	1446060000	K.93
SLD 3.50 V/04/180F 3.2 SN OR BX	1641240000	I.47
SLD 3.50 V/04/90F 3.2 SN OR BX	1642370000	I.45
SLD 3.50 V/06/180F 3.2 SN OR BX	1891060000	I.47
SLD 3.50 V/08/180F 3.2 SN OR BX	1641250000	I.47
SLD 3.50 V/08/90F 3.2 SN OR BX	1642380000	I.45
SLD 3.50 V/10/180F 3.2 SN OR BX	1891070000	I.47
SLD 3.50 V/12/180F 3.2 SN OR BX	1641260000	I.47
SLD 3.50 V/12/90F 3.2 SN OR BX	1642390000	I.45
SLD 3.50 V/14/180F 3.2 SN OR BX	1891080000	I.47
SLD 3.50 V/16/180F 3.2 SN OR BX	1641270000	I.47
SLD 3.50 V/16/90F 3.2 SN OR BX	1642400000	I.45
SLD 3.50 V/18/180F 3.2 SN OR BX	1891090000	I.47
SLD 3.50 V/20/180F 3.2 SN OR BX	1641280000	I.47
SLD 3.50 V/20/90F 3.2 SN OR BX	1642410000	I.45
SLD 3.50 V/22/180F 3.2 SN OR BX	1891100000	I.47
SLD 3.50 V/24/180F 3.2 SN OR BX	1641290000	I.47
SLD 3.50 V/24/90F 3.2 SN OR BX	1642420000	I.45
SLD 3.50/04/90F 3.2SN OR BX	1633810000	I.43
SLD 3.50/04/90G 3.2SN OR BX	1633580000	I.42
SLD 3.50/06/90F 3.2SN OR BX	1633820000	I.43
SLD 3.50/06/90G 3.2SN OR BX	1633590000	I.42
SLD 3.50/08/90F 3.2SN OR BX	1633830000	I.43
SLD 3.50/08/90G 3.2SN OR BX	1633600000	I.42
SLD 3.50/10/90F 3.2SN OR BX	1633840000	I.43
SLD 3.50/10/90G 3.2SN OR BX	1633610000	I.42
SLD 3.50/12/90F 3.2SN OR BX	1633850000	I.43
SLD 3.50/12/90G 3.2SN OR BX	1633620000	I.42
SLD 3.50/14/90F 3.2SN OR BX	1633860000	I.43
SLD 3.50/14/90G 3.2SN OR BX	1633630000	I.42
SLD 3.50/16/90F 3.2SN OR BX	1633870000	I.43
SLD 3.50/16/90G 3.2SN OR BX	1633640000	I.42
SLD 3.50/18/90F 3.2SN OR BX	1633880000	I.43
SLD 3.50/18/90G 3.2SN OR BX	1633650000	I.42
SLD 3.50/20/90F 3.2SN OR BX	1633890000	I.43
SLD 3.50/20/90G 3.2SN OR BX	1633660000	I.42
SLD 3.50/22/90F 3.2SN OR BX	1633900000	I.43
SLD 3.50/22/90G 3.2SN OR BX	1633670000	I.42
SLD 3.50/24/90F 3.2SN OR BX	1633910000	I.43
SLD 3.50/24/90G 3.2SN OR BX	1633680000	I.42
SLD 3.50V/04/180G 3.2SN OR BX	1641110000	I.46
SLD 3.50V/04/90G 3.2SN OR BX	1642240000	I.44
SLD 3.50V/06/180G 3.2SN OR BX	1891190000	I.46
SLD 3.50V/06/90F 3.2SN OR BX	1890790000	I.45
SLD 3.50V/06/90G 3.2SN OR BX	1890600000	I.44
SLD 3.50V/08/180G 3.2SN OR BX	1641120000	I.46
SLD 3.50V/08/90G 3.2SN OR BX	1642250000	I.44
SLD 3.50V/10/180G 3.2SN OR BX	1891200000	I.46
SLD 3.50V/10/90F 3.2SN OR BX	1890800000	I.45
SLD 3.50V/10/90G 3.2SN OR BX	1866770000	I.44
SLD 3.50V/12/180G 3.2SN OR BX	1641130000	I.46
SLD 3.50V/12/90G 3.2SN OR BX	1642260000	I.44
SLD 3.50V/14/90F 3.2SN OR BX	1890810000	I.45
SLD 3.50V/14/90G 3.2SN OR BX	1890610000	I.44
SLD 3.50V/16/180G 3.2SN OR BX	1641140000	I.46
SLD 3.50V/16/90G 3.2SN OR BX	1642270000	I.44
SLD 3.50V/18/90F 3.2SN OR BX	1890820000	I.45
SLD 3.50V/18/90G 3.2SN OR BX	1890620000	I.44
SLD 3.50V/20/180G 3.2SN OR BX	1641150000	I.46
SLD 3.50V/20/90G 3.2SN OR BX	1642280000	I.44
SLD 3.50V/22/90F 3.2SN OR BX	1669660000	I.45
SLD 3.50V/22/90G 3.2SN OR BX	1669650000	I.44
SLD 3.50V/24/180G 3.2SN OR BX	1641160000	I.46
SLD 3.50V/24/90G 3.2SN OR BX	1642290000	I.44
SLD 5.00/04/180G 3.2SN OR BX	1614810000	K.39
SLD 5.00/04/90G 3.2 SN OR BX	1614350000	K.38
SLD 5.00/06/180G 3.2SN OR BX	1614820000	K.39
SLD 5.00/06/90G 3.2 SN OR BX	1614360000	K.38
SLD 5.00/08/180G 3.2SN OR BX	1614830000	K.39
SLD 5.00/08/90G 3.2 SN OR BX	1614370000	K.38
SLD 5.00/10/180G 3.2SN OR BX	1614840000	K.39
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SLD 5.00/12/180G 3.2SN OR BX	1614850000	K.39
SLD 5.00/12/90G 3.2 SN OR BX	1614390000	K.38
SLD 5.00/14/180G 3.2SN OR BX	1614860000	K.39
SLD 5.00/14/90G 3.2 SN OR BX	1614400000	K.38
SLD 5.00/16/180G 3.2SN OR BX	1614870000	K.39
SLD 5.00/16/90G 3.2 SN OR BX	1614410000	K.38
SLD 5.00/18/180G 3.2SN OR BX	1614880000	K.39
SLD 5.00/18/90G 3.2 SN OR BX	1614420000	K.38
SLD 5.00/20/180G 3.2SN OR BX	1614890000	K.39
SLD 5.00/20/90G 3.2 SN OR BX	1614430000	K.38
SLD 5.00/22/180G 3.2SN OR BX	1614900000	K.39
SLD 5.00/22/90G 3.2 SN OR BX	1614440000	K.38
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SLD 5.00/24/90G 3.2 SN OR BX	1614450000	K.38
SLD 5.08/04/180G 3.2SN OR BX	1602390000	K.79
SLD 5.08/04/90G 3.2SN OR BX	1601790000	K.78
SLD 5.08/06/180G 3.2SN OR BX	1602400000	K.79
SLD 5.08/06/90G 3.2SN OR BX	1601800000	K.78
SLD 5.08/08/180G 3.2SN OR BX	1602410000	K.79
SLD 5.08/08/90G 3.2SN OR BX	1601810000	K.78
SLD 5.08/10/180G 3.2SN OR BX	1602420000	K.79
SLD 5.08/10/90G 3.2SN OR BX	1601820000	K.78
SLD 5.08/12/180G 3.2SN OR BX	1602430000	K.79
SLD 5.08/12/90G 3.2SN OR BX	1601830000	K.78
SLD 5.08/14/180G 3.2SN OR BX	1602440000	K.79
SLD 5.08/14/90G 3.2SN OR BX	1601840000	K.78
SLD 5.08/16/180G 3.2SN OR BX	1602450000	K.79
SLD 5.08/16/90G 3.2SN OR BX	1601850000	K.78
SLD 5.08/18/180G 3.2SN OR BX	1602460000	K.79
SLD 5.08/18/90G 3.2SN OR BX	1601860000	K.78
SLD 5.08/20/180G 3.2SN OR BX	1602470000	K.79
SLD 5.08/20/90G 3.2SN OR BX	1601870000	K.78
SLD 5.08/22/180G 3.2SN OR BX	1602480000	K.79
SLD 5.08/22/90G 3.2SN OR BX	1601880000	K.78
SLD 5.08/24/180G 3.2SN OR BX	1602490000	K.79
SLD 5.08/24/90G 3.2SN OR BX	1601890000	K.78
SLD 5.08V/04/180 3.2SN OR BX	1725650000	K.77
SLD 5.08V/04/90 3.2 SN OR BX	1725170000	K.76
SLD 5.08V/06/180 3.2SN OR BX	1725660000	K.77
SLD 5.08V/06/90 3.2 SN OR BX	1725180000	K.76
SLD 5.08V/08/180 3.2SN OR BX	1725670000	K.77
SLD 5.08V/08/90 3.2 SN OR BX	1725190000	K.76
SLD 5.08V/10/180 3.2SN OR BX	1725680000	K.77
SLD 5.08V/10/90 3.2 SN OR BX	1725200000	K.76
SLD 5.08V/12/180 3.2SN OR BX	1725690000	K.77
SLD 5.08V/12/90 3.2 SN OR BX	1725210000	K.76
SLD 5.08V/14/180 3.2SN OR BX	1725700000	K.77
SLD 5.08V/14/90 3.2 SN OR BX	1725220000	K.76
SLD 5.08V/16/180 3.2SN OR BX	1725710000	K.77
SLD 5.08V/16/90 3.2 SN OR BX	1725230000	K.76
SLD 5.08V/18/180 3.2SN OR BX	1725720000	K.77
SLD 5.08V/18/90 3.2 SN OR BX	1725240000	K.76
SLD 5.08V/20/180 3.2SN OR BX	1725730000	K.77
SLD 5.08V/20/90 3.2 SN OR BX	1725250000	K.76
SLD 5.08V/22/180 3.2SN OR BX	1725740000	K.77
SLD 5.08V/22/90 3.2 SN OR BX	1725260000	K.76
SLD 5.08V/24/180 3.2SN OR BX	1725750000	K.77
SLD 5.08V/24/90 3.2 SN OR BX	1725270000	K.76
SLD 7.62HP/04/90G 3.2SN BK BX	3137640000	O.108
SLD 7.62HP/06/90G 3.2SN BK BX	3137650000	O.108
SLD 7.62HP/08/90G 3.2SN BK BX	3137660000	O.108
SLD 7.62HP/10/90G 3.2SN BK BX	3137670000	O.108
SLD 7.62HP/12/90G 3.2SN BK BX	3137680000	O.108
SLDF 5.08 L/F 10 SN OR BX	1599210000	K.80
SLDF 5.08 L/F 11 SN OR BX	1599220000	K.80
SLDF 5.08 L/F 12 SN OR BX	1599230000	K.80
SLDF 5.08 L/F 2 SN OR BX	1599130000	K.80
SLDF 5.08 L/F 3 SN OR BX	1599140000	K.80
SLDF 5.08 L/F 4 SN OR BX	1599150000	K.80
SLDF 5.08 L/F 5 SN OR BX	1599160000	K.80
SLDF 5.08 L/F 6 SN OR BX	1599170000	K.80
SLDF 5.08 L/F 7 SN OR BX	1599180000	K.80
SLDF 5.08 L/F 8 SN OR BX	1599190000	K.80
SLDF 5.08 L/F 9 SN OR BX	1599200000	K.80
SLDF VR BK	1599120000	K.80
SLDF VR BK	1599120000	M.5
SLDV-THR 5.00/04/180F 3.2SN BK BX	1882930000	K.31
SLDV-THR 5.00/04/180FLF 3.2SN BK BX	1883100000	K.31
SLDV-THR 5.00/04/180G 3.2SN BK BX	1882690000	K.30
SLDV-THR 5.00/04/180GLF 3.2SN BK BX	1911290000	K.31
SLDV-THR 5.00/06/180F 3.2SN BK BX	1882940000	K.31
SLDV-THR 5.00/06/180FLF 3.2SN BK BX	1883110000	K.31
SLDV-THR 5.00/06/180G 3.2SN BK BX	1882700000	K.30
SLDV-THR 5.00/06/180GLF 3.2SN BK BX	1911310000	K.31
SLDV-THR 5.00/08/180F 3.2SN BK BX	1882950000	K.31
SLDV-THR 5.00/08/180FLF 3.2SN BK BX	1883120000	K.31
SLDV-THR 5.00/08/180G 3.2SN BK BX	1862370000	K.30
SLDV-THR 5.00/08/180GLF 3.2SN BK BX	1911320000	K.31
SLDV-THR 5.00/10/180F 3.2SN BK BX	1882960000	K.31
SLDV-THR 5.00/10/180FLF 3.2SN BK BX	1883130000	K.31
SLDV-THR 5.00/10/180G 3.2SN BK BX	1882710000	K.30
SLDV-THR 5.00/10/180GLF 3.2SN BK BX	1911330000	K.31
SLDV-THR 5.00/12/180F 3.2SN BK BX	1882970000	K.31
SLDV-THR 5.00/12/180FLF 3.2SN BK BX	1883140000	K.31
SLDV-THR 5.00/12/180G 3.2SN BK BX	1882720000	K.30
SLDV-THR 5.00/12/180GLF 3.2SN BK BX	1911340000	K.31
SLDV-THR 5.00/14/180F 3.2SN BK BX	1882980000	K.31
SLDV-THR 5.00/14/180FLF 3.2SN BK BX	1883150000	K.31
SLDV-THR 5.00/14/180G 3.2SN BK BX	1882730000	K.30
SLDV-THR 5.00/14/180GLF 3.2SN BK BX	1911350000	K.31
SLDV-THR 5.00/16/180F 3.2SN BK BX	1882990000	K.31
SLDV-THR 5.00/16/180FLF 3.2SN BK BX	1883160000	K.31
SLDV-THR 5.00/16/180G 3.2SN BK BX	1862380000	K.30
SLDV-THR 5.00/16/180GLF 3.2SN BK BX	1911360000	K.31
SLDV-THR 5.00/18/180F 3.2SN BK BX	1883000000	K.31
SLDV-THR 5.00/18/180FLF 3.2SN BK BX	1883170000	K.31
SLDV-THR 5.00/18/180G 3.2SN BK BX	1882740000	K.30
SLDV-THR 5.00/18/180GLF 3.2SN BK BX	1911370000	K.31
SLDV-THR 5.00/20/180F 3.2SN BK BX	1881340000	K.31
SLDV-THR 5.00/20/180FLF 3.2SN BK BX	1883180000	K.31
SLDV-THR 5.00/20/180G 3.2SN BK BX	1862390000	K.30
SLDV-THR 5.00/20/180GLF 3.2SN BK BX	1911410000	K.31
SLDV-THR 5.00/22/180F 3.2SN BK BX	1883010000	K.31
SLDV-THR 5.00/22/180FLF 3.2SN BK BX	1883190000	K.31
SLDV-THR 5.00/22/180G 3.2SN BK BX	1882750000	K.30
SLDV-THR 5.00/22/180GLF 3.2SN BK BX	1911470000	K.31
SLDV-THR 5.00/24/180F 3.2SN BK BX	1881370000	K.31
SLDV-THR 5.00/24/180FLF 3.2SN BK BX	1883200000	K.31
SLDV-THR 5.00/24/180G 3.2SN BK BX	1882760000	K.30
SLDV-THR 5.00/24/180GLF 3.2SN BK BX	1911500000	K.31
SLDV-THR 5.08/04/180F 3.2SN BK BX	1828770000	K.66
SLDV-THR 5.08/04/180FLF 3.2SN BK BX	1829010000	K.67
SLDV-THR 5.08/06/180F 3.2SN BK BX	1828780000	K.66
SLDV-THR 5.08/06/180FLF 3.2SN BK BX	1829020000	K.67
SLDV-THR 5.08/08/180F 3.2SN BK BX	1828790000	K.66
SLDV-THR 5.08/08/180FLF 3.2SN BK BX	1829030000	K.67
SLDV-THR 5.08/10/180F 3.2SN BK BX	1828800000	K.66
SLDV-THR 5.08/10/180FLF 3.2SN BK BX	1829040000	K.67
SLDV-THR 5.08/12/180F 3.2SN BK BX	1828810000	K.66
SLDV-THR 5.08/12/180FLF 3.2SN BK BX	1829050000	K.67
SLDV-THR 5.08/14/180F 3.2SN BK BX	1828820000	K.66
SLDV-THR 5.08/14/180FLF 3.2SN BK BX	1829060000	K.67
SLDV-THR 5.08/16/180F 3.2SN BK BX	1828830000	K.66
SLDV-THR 5.08/16/180FLF 3.2SN BK BX	1829070000	K.67
SLDV-THR 5.08/18/180F 3.2SN BK BX	1828840000	K.66
SLDV-THR 5.08/18/180FLF 3.2SN BK BX	1829080000	K.67
SLDV-THR 5.08/20/180F 3.2SN BK BX	1828850000	K.66
SLDV-THR 5.08/20/180FLF 3.2SN BK BX	1829090000	K.67
SLDV-THR 5.08/22/180F 3.2SN BK BX	1828860000	K.66
SLDV-THR 5.08/22/180FLF 3.2SN BK BX	1829100000	K.67
SLDV-THR 5.08/24/180F 3.2SN BK BX	1828870000	K.66
SLDV-THR 5.08/24/180FLF 3.2SN BK BX	1829110000	K.67
SLF 5.08/02/180 SN OR BX	1335330000	K.94
SLF 5.08/02/180B SN OR BX	1335440000	K.95
SLF 5.08/02/180DF SN OR BX	1353580000	K.84
SLF 5.08/02/180F SN OR BX	1335590000	K.95
SLF 5.08/02/180FI SN OR BX	1336400000	K.95
SLF 5.08/03/180 SN OR BX	1335340000	K.94
SLF 5.08/03/180B SN OR BX	1335450000	K.95
SLF 5.08/03/180DF SN OR BX	1353590000	K.84
SLF 5.08/03/180F SN OR BX	1335620000	K.95
SLF 5.08/03/180FI SN OR BX	1336410000	K.95
SLF 5.08/04/180 SN OR BX	1335350000	K.94
SLF 5.08/04/180B SN OR BX	1335460000	K.95
SLF 5.08/04/180DF SN OR BX	1353600000	K.84
SLF 5.08/04/180F SN OR BX	1335640000	K.95
SLF 5.08/04/180FI SN OR BX	1336420000	K.95
SLF 5.08/05/180 SN OR BX	1335360000	K.94
SLF 5.08/05/180B SN OR BX	1335470000	K.95
SLF 5.08/05/180DF SN OR BX	1353620000	K.84
SLF 5.08/05/180F SN OR BX	1335660000	K.95
SLF 5.08/05/180FI SN OR BX	1336430000	K.95
SLF 5.08/06/180 SN OR BX	1335370000	K.94
SLF 5.08/06/180B SN OR BX	1335480000	K.95
SLF 5.08/06/180DF SN OR BX	1353630000	K.84
SLF 5.08/06/180F SN OR BX	1335680000	K.95
SLF 5.08/06/180FI SN OR BX	1336440000	K.95
SLF 5.08/07/180 SN OR BX	1335380000	K.94
SLF 5.08/07/180B SN OR BX	1335490000	K.95
SLF 5.08/07/180DF SN OR BX	1353640000	K.84
SLF 5.08/07/180F SN OR BX	1335700000	K.95
SLF 5.08/07/180FI SN OR BX	1336450000	K.95
SLF 5.08/08/180 SN OR BX	1335390000	K.94
SLF 5.08/08/180B SN OR BX	1335510000	K.95
SLF 5.08/08/180DF SN OR BX	1353650000	K.84
SLF 5.08/08/180F SN OR BX	1335720000	K.95
SLF 5.08/08/180FI SN OR BX	1336470000	K.95
SLF 5.08/09/180 SN OR BX	1335400000	K.94
SLF 5.08/09/180B SN OR BX	1335520000	K.95
SLF 5.08/09/180DF SN OR BX	1353670000	K.84
SLF 5.08/09/180F SN OR BX	1335740000	K.95
SLF 5.08/09/180FI SN OR BX	1336480000	K.95
SLF 5.08/10/180 SN OR BX	1335410000	K.94
SLF 5.08/10/180B SN OR BX	1335530000	K.95
SLF 5.08/10/180DF SN OR BX	1353680000	K.84
SLF 5.08/10/180F SN OR BX	1335760000	K.95
SLF 5.08/10/180FI SN OR BX	1336490000	K.95
SLF 5.08/11/180 SN OR BX	1335420000	K.94
SLF 5.08/11/180B SN OR BX	1335540000	K.95
SLF 5.08/11/180F SN OR BX	1335780000	K.95
SLF 5.08/11/180FI SN OR BX	1336500000	K.95
SLF 5.08/12/180 SN OR BX	1335430000	K.94
SLF 5.08/12/180B SN OR BX	1335550000	K.95
SLF 5.08/12/180F SN OR BX	1335800000	K.95
SLF 5.08/12/180FI SN OR BX	1336510000	K.95
SLS 5.08/02/180 SN OR BX	1627090000	K.90
SLS 5.08/02/180B SN OR BX	1627240000	K.91
SLS 5.08/02/180DF SN OR BX	1353470000	K.82
SLS 5.08/02/180F SN OR BX	1846360000	K.91
SLS 5.08/02/180FI SN OR BX	1846210000	K.91
SLS 5.08/03/180 SN OR BX	1627100000	K.90
SLS 5.08/03/180B SN OR BX	1627250000	K.91
SLS 5.08/03/180DF SN OR BX	1353480000	K.82
SLS 5.08/03/180F SN OR BX	1846370000	K.91
SLS 5.08/03/180FI SN OR BX	1846220000	K.91
SLS 5.08/04/180 SN OR BX	1627110000	K.90
SLS 5.08/04/180B SN OR BX	1627260000	K.91
SLS 5.08/04/180DF SN OR BX	1353490000	K.82
SLS 5.08/04/180F SN OR BX	1846380000	K.91
SLS 5.08/04/180FI SN OR BX	1846230000	K.91
SLS 5.08/04/180TB KF SN OR BX	1846130000	K.93
SLS 5.08/04/180TB RF15 SN OR BX	1846050000	K.92
SLS 5.08/05/180 SN OR BX	1627120000	K.90
SLS 5.08/05/180B SN OR BX	1627270000	K.91
SLS 5.08/05/180DF SN OR BX	1353500000	K.82
SLS 5.08/05/180F SN OR BX	1846390000	K.91
SLS 5.08/05/180FI SN OR BX	1846240000	K.91
SLS 5.08/06/180 SN OR BX	1627130000	K.90
SLS 5.08/06/180B SN OR BX	1627280000	K.91
SLS 5.08/06/180DF SN OR BX	1353520000	K.82
SLS 5.08/06/180F SN OR BX	1846400000	K.91
SLS 5.08/06/180FI SN OR BX	1846250000	K.91
SLS 5.08/06/180TB KF SN OR BX	1846140000	K.93
SLS 5.08/06/180TB RF15 SN OR BX	1846060000	K.92
SLS 5.08/07/180 SN OR BX	1627140000	K.90
SLS 5.08/07/180B SN OR BX	1627290000	K.91
SLS 5.08/07/180DF SN OR BX	1353530000	K.82
SLS 5.08/07/180F SN OR BX	1846410000	K.91
SLS 5.08/07/180FI SN OR BX	1846260000	K.91
SLS 5.08/08/180 SN OR BX	1627150000	K.90
SLS 5.08/08/180B SN OR BX	1627300000	K.91
SLS 5.08/08/180DF SN OR BX	1353540000	K.82
SLS 5.08/08/180F SN OR BX	1846420000	K.91
SLS 5.08/08/180FI SN OR BX	1846270000	K.91
SLS 5.08/08/180TB KF SN OR BX	1846150000	K.93
SLS 5.08/08/180TB RF15 SN OR BX	1846070000	K.92
SLS 5.08/09/180 SN OR BX	1627160000	K.90
SLS 5.08/09/180B SN OR BX	1627310000	K.91
SLS 5.08/09/180DF SN OR BX	1353550000	K.82
SLS 5.08/09/180F SN OR BX	1846430000	K.91
SLS 5.08/09/180FI SN OR BX	1846280000	K.91
SLS 5.08/10/180 SN OR BX	1627170000	K.90
SLS 5.08/10/180B SN OR BX	1627320000	K.91
SLS 5.08/10/180DF SN OR BX	1353570000	K.82
SLS 5.08/10/180F SN OR BX	1846440000	K.91
SLS 5.08/10/180FI SN OR BX	1846290000	K.91
SLS 5.08/10/180TB KF SN OR BX	1846160000	K.93
SLS 5.08/10/180TB RF15 SN OR BX	1846080000	K.92
SLS 5.08/11/180 SN OR BX	1627180000	K.90
SLS 5.08/11/180B SN OR BX	1627330000	K.91
SLS 5.08/11/180F SN OR BX	1846450000	K.91
SLS 5.08/11/180FI SN OR BX	1846300000	K.91
SLS 5.08/12/180 SN OR BX	1627190000	K.90
SLS 5.08/12/180B SN OR BX	1627340000	K.91
SLS 5.08/12/180F SN OR BX	1846460000	K.91
SLS 5.08/12/180FI SN OR BX	1846310000	K.91
SLS 5.08/12/180TB KF SN OR BX	1846170000	K.93
SLS 5.08/12/180TB RF15 SN OR BX	1846090000	K.92
SMSE FE MCZ 1.5/PE	1003280000	S.43
SMSE KU FE MCZ 1.5	2224390000	S.43
SMSE LN FE MCZ 1.5	2224380000	S.43
SPE M12F DC BPM16 RV 2.0 6 TY	3228140000	C.13
SPE M12F DC BPM16 RV 2.0 6 TY	3228140000	C.16
SPE M12F DC FPM16 RV 2.0 6 TY	3228130000	C.13
SPE M12F DC FPM16 RV 2.0 6 TY	3228130000	C.16
SPE M12F DD RV 2.0 6 TY	3180870000	C.13
SPE M12F DD RV 2.0 6 TY	3180870000	C.17
SPE P20 R1H 2.1 6 N/N RL	3234500000	C.13
SPE P20 R1H 2.1 6 N/N RL	3234500000	C.15
SPE P20 R1H 2.1 6 N/N TU	3150600000	C.13
SPE P20 R1H 2.1 6 N/N TU	3150600000	C.15
SPE P20 R1H 2.1 6 YG/YG RL	3234510000	C.13
SPE P20 R1H 2.1 6 YG/YG RL	3234510000	C.15
SPE P20 R1H 2.1 6 YG/YG TU	3150590000	C.13
SPE P20 R1H 2.1 6 YG/YG TU	3150590000	C.15
SR-SMD 4.50/05/90 AU BK BX	1155840000	S.38
SR-SMD 4.50/05/90 AU BK RL	1155850000	S.38
SR-SMD 4.50/05/90LF 1.5AU BK BX	1155890000	S.39
SR-SMD 4.50/05/90LF 1.5AU BK RL	1155900000	S.39
SR-SMD 4.50/05/90LFM 3.2AU BK BX	1155870000	S.39
SR-SMD 4.50/05/90LFM 3.2AU BK RL	1155880000	S.39
SU 10.16 BFSC P 35X 14	2812340000	0.72
SU 10.16 BFSC P 35X 14	2812340000	0.74
SU 10.16 BFSC P 35X 14	2812340000	0.190
SU 10.16 BFSC P 35X 14	2812340000	0.192
SU 10.16 BFSC P 35X 14	2812340000	0.194
SU 10.16 BFSC P 35X 14	2812340000	0.196
SU 10.16 BFSC P 35X 14	2812340000	0.198
SU 10.16 BFSC S 35X12	2812290000	0.72
SU 10.16 BFSC S 35X12	2812290000	0.74
SU 10.16 BFSC S 35X12	2812290000	0.190
SU 10.16 BFSC S 35X12	2812290000	0.192
SU 10.16 BFSC S 35X12	2812290000	0.194
SU 10.16 BFSC S 35X12	2812290000	0.196
SU 10.16 BFSC S 35X12	2812290000	0.198
SU 10.16HP/02/180F 3.5AG BK BX	1813650000	0.195

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SU 10.16HP/02/180G 3.5AG BK BX	1813410000	0.194
SU 10.16HP/02/180SF 3.5AG BK BX	1850880000	0.195
SU 10.16HP/02/270F 3.5AG BK BX	1813730000	0.197
SU 10.16HP/02/270G 3.5AG BK BX	1813490000	0.196
SU 10.16HP/02/270MF2 3.5AG BK BX	2580350000	0.198
SU 10.16HP/02/270SF 3.5AG BK BX	1851120000	0.197
SU 10.16HP/02/90F 3.5AG BK BX	1813570000	0.191
SU 10.16HP/02/90G 3.5AG BK BX	1813330000	0.190
SU 10.16HP/02/90MF2 3.5AG BK BX	2580340000	0.192
SU 10.16HP/02/90SF 3.5AG BK BX	1851040000	0.191
SU 10.16HP/03/180F 3.5AG BK BX	1813660000	0.195
SU 10.16HP/03/180G 3.5AG BK BX	1813420000	0.194
SU 10.16HP/03/180SF 3.5AG BK BX	1850890000	0.195
SU 10.16HP/03/270F 3.5AG BK BX	1813740000	0.197
SU 10.16HP/03/270G 3.5AG BK BX	1813500000	0.196
SU 10.16HP/03/270MF2 3.5AG BK BX	2580830000	0.198
SU 10.16HP/03/270MF3 3.5AG BK BX	2580850000	0.199
SU 10.16HP/03/270SF 3.5AG BK BX	1851130000	0.197
SU 10.16HP/03/90F 3.5AG BK BX	1813580000	0.191
SU 10.16HP/03/90G 3.5AG BK BX	1813340000	0.190
SU 10.16HP/03/90MF2 3.5AG BK BX	2580390000	0.192
SU 10.16HP/03/90MF3 3.5AG BK BX	2580400000	0.193
SU 10.16HP/03/90SF 3.5AG BK BX	1851050000	0.191
SU 10.16HP/04/180F 3.5AG BK BX	1813670000	0.195
SU 10.16HP/04/180G 3.5AG BK BX	1813430000	0.194
SU 10.16HP/04/180SF 3.5AG BK BX	1850900000	0.195
SU 10.16HP/04/270F 3.5AG BK BX	1813750000	0.197
SU 10.16HP/04/270G 3.5AG BK BX	1813510000	0.196
SU 10.16HP/04/270MF2 3.5AG BK BX	2580860000	0.198
SU 10.16HP/04/270MF3 3.5AG BK BX	2580870000	0.199
SU 10.16HP/04/270MF4 3.5AG BK BX	2580880000	0.199
SU 10.16HP/04/270SF 3.5AG BK BX	1851140000	0.197
SU 10.16HP/04/90F 3.5AG BK BX	1813590000	0.191
SU 10.16HP/04/90G 3.5AG BK BX	1813350000	0.190
SU 10.16HP/04/90MF2 3.5AG BK BX	2580410000	0.192
SU 10.16HP/04/90MF3 3.5AG BK BX	2580420000	0.193
SU 10.16HP/04/90MF4 3.5AG BK BX	2580430000	0.193
SU 10.16HP/04/90SF 3.5AG BK BX	1851060000	0.191
SU 10.16HP/05/180F 3.5AG BK BX	1813680000	0.195
SU 10.16HP/05/180G 3.5AG BK BX	1813440000	0.194
SU 10.16HP/05/180SF 3.5AG BK BX	1850910000	0.195
SU 10.16HP/05/270F 3.5AG BK BX	1813760000	0.197
SU 10.16HP/05/270G 3.5AG BK BX	1813520000	0.196
SU 10.16HP/05/270MF2 3.5AG BK BX	2597290000	0.198
SU 10.16HP/05/270MF3 3.5AG BK BX	2597310000	0.199
SU 10.16HP/05/270MF4 3.5AG BK BX	2597330000	0.199
SU 10.16HP/05/270SF 3.5AG BK BX	1851150000	0.197
SU 10.16HP/05/90F 3.5AG BK BX	1813600000	0.191
SU 10.16HP/05/90G 3.5AG BK BX	1813360000	0.190
SU 10.16HP/05/90MF2 3.5AG BK BX	2597200000	0.192
SU 10.16HP/05/90MF3 3.5AG BK BX	2597220000	0.193
SU 10.16HP/05/90MF4 3.5AG BK BX	2597240000	0.193
SU 10.16HP/05/90SF 3.5AG BK BX	1851070000	0.191
SU 10.16HP/06/180F 3.5AG BK BX	1813690000	0.195
SU 10.16HP/06/180G 3.5AG BK BX	1813450000	0.194
SU 10.16HP/06/180SF 3.5AG BK BX	1850920000	0.195
SU 10.16HP/06/270F 3.5AG BK BX	1813770000	0.197
SU 10.16HP/06/270G 3.5AG BK BX	1813530000	0.196
SU 10.16HP/06/270MF2 3.5AG BK BX	2597300000	0.198
SU 10.16HP/06/270MF3 3.5AG BK BX	2597320000	0.199
SU 10.16HP/06/270MF4 3.5AG BK BX	2597340000	0.199
SU 10.16HP/06/270SF 3.5AG BK BX	1851160000	0.197
SU 10.16HP/06/90F 3.5AG BK BX	1813610000	0.191
SU 10.16HP/06/90G 3.5AG BK BX	1813370000	0.190
SU 10.16HP/06/90MF2 3.5AG BK BX	2597210000	0.192
SU 10.16HP/06/90MF3 3.5AG BK BX	2597230000	0.193
SU 10.16HP/06/90MF4 3.5AG BK BX	2597250000	0.193
SU 10.16HP/06/90SF 3.5AG BK BX	1851080000	0.191
SU 10.16IT/02/270MF2 3.5AG BK BX SO	1157310000	0.74
SU 10.16IT/02/90MF2 3.5AG BK BX SO	1156650000	0.72
SU 10.16IT/03/270MF2 3.5AG BK BX	1157320000	0.74
SU 10.16IT/03/270MF3 3.5AG BK BX	1157330000	0.75
SU 10.16IT/03/90MF2 3.5AG BK BX	1156670000	0.72
SU 10.16IT/03/90MF3 3.5AG BK BX	1156680000	0.73
SU 10.16IT/04/270MF2 3.5AG BK BX	1157340000	0.74
SU 10.16IT/04/270MF3 3.5AG BK BX SO	2630190000	0.75
SU 10.16IT/04/270MF4 3.5AG BK BX	1157350000	0.75
SU 10.16IT/04/90MF2 3.5AG BK BX	1156690000	0.72
SU 10.16IT/04/90MF4 3.5AG BK BX	1156700000	0.73
SUZ 10.16HP/02/180G AG BK BX	1947480000	0.200
SUZ 10.16HP/03/180G AG BK BX	1947490000	0.200
SUZ 10.16HP/04/180G AG BK BX	1947500000	0.200
SUZ 10.16HP/05/180G AG BK BX	1947510000	0.200
SUZ 10.16HP/06/180G AG BK BX	1966920000	0.200
SV 7.62HP/02/180F 3.5SN BK BX	1930710000	0.135
SV 7.62HP/02/180G 3.5SN BK BX	1930600000	0.134
SV 7.62HP/02/180MF2 3.5SN BK BX	1048350000	0.136
SV 7.62HP/02/180SF 3.5SN BK BX	1930820000	0.135
SV 7.62HP/02/270F 3.5SN BK BX	1931370000	0.139
SV 7.62HP/02/270G 3.5SN BK BX	1931260000	0.138
SV 7.62HP/02/270G SC/04R SN BK BX	1090770000	0.28
SV 7.62HP/02/270G SC/06R SN BK BX	1090850000	0.28
SV 7.62HP/02/270G SC/08R SN BK BX	1156920000	0.28
SV 7.62HP/02/270MF2 3.5SN BK BX	1048370000	0.140
SV 7.62HP/02/270MF2 SC/04R SN BK BX	1089260000	0.30
SV 7.62HP/02/270MF2 SC/06R SN BK BX	1089280000	0.30
SV 7.62HP/02/270MF2 SC/08R SN BK BX	1156120000	0.30
SV 7.62HP/02/270MSF2 SC/04R SN BK BX	1089340000	0.32
SV 7.62HP/02/270MSF2 SC/06R SN BK BX	1089380000	0.32

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SV 7.62HP/02/270MSF2 SC/08R SN BK BX	1156130000	0.32
SV 7.62HP/02/270SF 3.5SN BK BX	1931480000	0.139
SV 7.62HP/02/90F 3.5SN BK BX	1930380000	0.131
SV 7.62HP/02/90G 3.5SN BK BX	1930270000	0.130
SV 7.62HP/02/90G SC/04R SN BK BX	1089840000	0.22
SV 7.62HP/02/90G SC/06R SN BK BX	1089920000	0.22
SV 7.62HP/02/90G SC/08R SN BK BX	1157040000	0.22
SV 7.62HP/02/90MF2 3.5SN BK BX	1048390000	0.132
SV 7.62HP/02/90MF2 SC/04R SN BK BX	1089370000	0.24
SV 7.62HP/02/90MF2 SC/06R SN BK BX	1089410000	0.24
SV 7.62HP/02/90MF2 SC/08R SN BK BX	1156820000	0.24
SV 7.62HP/02/90MSF2 SC/04R SN BK BX	1089510000	0.26
SV 7.62HP/02/90MSF2 SC/06R SN BK BX	1089570000	0.26
SV 7.62HP/02/90MSF2 SC/08R SN BK BX	1156830000	0.26
SV 7.62HP/02/90SF 3.5SN BK BX	1930490000	0.131
SV 7.62HP/03/180F 3.5SN BK BX	1930720000	0.135
SV 7.62HP/03/180G 3.5SN BK BX	1930610000	0.134
SV 7.62HP/03/180MF2 3.5SN BK BX	1048410000	0.136
SV 7.62HP/03/180MF3 3.5SN BK BX	1048420000	0.137
SV 7.62HP/03/180SF 3.5SN BK BX	1930830000	0.135
SV 7.62HP/03/270F 3.5SN BK BX	1931380000	0.139
SV 7.62HP/03/270G 3.5SN BK BX	1931270000	0.138
SV 7.62HP/03/270G SC/04R SN BK BX	1090950000	0.28
SV 7.62HP/03/270G SC/06R SN BK BX	1091010000	0.28
SV 7.62HP/03/270G SC/08R SN BK BX	1156940000	0.28
SV 7.62HP/03/270MF2 3.5SN BK BX	1048450000	0.140
SV 7.62HP/03/270MF2 SC/04R SN BK BX	1156140000	0.30
SV 7.62HP/03/270MF2 SC/06R SN BK BX	1156150000	0.30
SV 7.62HP/03/270MF2 SC/08R SN BK BX	1156170000	0.30
SV 7.62HP/03/270MF3 3.5SN BK BX	1048460000	0.141
SV 7.62HP/03/270MF3 SC/04R SN BK BX	1089440000	0.31
SV 7.62HP/03/270MF3 SC/06R SN BK BX	1089490000	0.31
SV 7.62HP/03/270MF3 SC/08R SN BK BX	1156180000	0.31
SV 7.62HP/03/270MSF2 SC/04R SN BK BX	1156190000	0.32
SV 7.62HP/03/270MSF2 SC/06R SN BK BX	1156200000	0.32
SV 7.62HP/03/270MSF2 SC/08R SN BK BX	1156210000	0.32
SV 7.62HP/03/270MSF3 SC/04R SN BK BX	1089610000	0.33
SV 7.62HP/03/270MSF3 SC/06R SN BK BX	1089670000	0.33
SV 7.62HP/03/270MSF3 SC/08R SN BK BX	1156220000	0.33
SV 7.62HP/03/270SF 3.5SN BK BX	1931490000	0.139
SV 7.62HP/03/90F 3.5SN BK BX	1930390000	0.131
SV 7.62HP/03/90G 3.5SN BK BX	1930280000	0.130
SV 7.62HP/03/90G SC/04R SN BK BX	1090040000	0.22
SV 7.62HP/03/90G SC/06R SN BK BX	1090120000	0.22
SV 7.62HP/03/90G SC/08R SN BK BX	1157050000	0.22
SV 7.62HP/03/90MF2 3.5SN BK BX	1048490000	0.133
SV 7.62HP/03/90MF2 SC/04R SN BK BX	1156230000	0.24
SV 7.62HP/03/90MF2 SC/06R SN BK BX	1156240000	0.24
SV 7.62HP/03/90MF2 SC/08R SN BK BX	1156840000	0.24
SV 7.62HP/03/90MF3 3.5SN BK BX	1048500000	0.132
SV 7.62HP/03/90MF3 SC/04R SN BK BX	1089660000	0.25
SV 7.62HP/03/90MF3 SC/06R SN BK BX	1089730000	0.25
SV 7.62HP/03/90MF3 SC/08R SN BK BX	1156850000	0.25
SV 7.62HP/03/90MSF2 SC/04R SN BK BX	1156250000	0.26
SV 7.62HP/03/90MSF2 SC/06R SN BK BX	1156270000	0.26
SV 7.62HP/03/90MSF2 SC/08R SN BK BX	1156870000	0.26
SV 7.62HP/03/90MSF3 SC/04R SN BK BX	1089890000	0.27
SV 7.62HP/03/90MSF3 SC/06R SN BK BX	1089970000	0.27
SV 7.62HP/03/90MSF3 SC/08R SN BK BX	1156880000	0.27
SV 7.62HP/03/90SF 3.5SN BK BX	1930500000	0.131
SV 7.62HP/04/180F 3.5SN BK BX	1930730000	0.135
SV 7.62HP/04/180G 3.5SN BK BX	1930620000	0.134
SV 7.62HP/04/180MF2 3.5SN BK BX	1464310000	0.136
SV 7.62HP/04/180MF3 3.5SN BK BX	1048530000	0.137
SV 7.62HP/04/180MF4 3.5SN BK BX	1464330000	0.137
SV 7.62HP/04/180SF 3.5SN BK BX	1930840000	0.135
SV 7.62HP/04/270F 3.5SN BK BX	1931390000	0.139
SV 7.62HP/04/270G 3.5SN BK BX	1931280000	0.138
SV 7.62HP/04/270G SC/04R SN BK BX	1091120000	0.28
SV 7.62HP/04/270G SC/06R SN BK BX	1091160000	0.28
SV 7.62HP/04/270G SC/08R SN BK BX	1156970000	0.28
SV 7.62HP/04/270MF2 3.5SN BK BX	1464340000	0.140
SV 7.62HP/04/270MF3 3.5SN BK BX	1048550000	0.141
SV 7.62HP/04/270MF4 3.5SN BK BX	1464360000	0.141
SV 7.62HP/04/270MF4 SC/04R SN BK BX	1089820000	0.31
SV 7.62HP/04/270MF4 SC/06R SN BK BX	1089910000	0.31
SV 7.62HP/04/270MF4 SC/08R SN BK BX	1156280000	0.31
SV 7.62HP/04/270MSF4 SC/04R SN BK BX	1090060000	0.33
SV 7.62HP/04/270MSF4 SC/06R SN BK BX	1090140000	0.33
SV 7.62HP/04/270MSF4 SC/08R SN BK BX	1156290000	0.33
SV 7.62HP/04/270SF 3.5SN BK BX	1931500000	0.139
SV 7.62HP/04/90F 3.5SN BK BX	1930400000	0.131
SV 7.62HP/04/90G 3.5SN BK BX	1930290000	0.130
SV 7.62HP/04/90G SC/04R SN BK BX	1090280000	0.22
SV 7.62HP/04/90G SC/06R SN BK BX	1090360000	0.22
SV 7.62HP/04/90G SC/08R SN BK BX	1157380000	0.22
SV 7.62HP/04/90MF2 3.5SN BK BX	1464270000	0.132
SV 7.62HP/04/90MF3 3.5SN BK BX	1048570000	0.133
SV 7.62HP/04/90MF4 3.5SN BK BX	1464290000	0.133
SV 7.62HP/04/90MF4 SC/04R SN BK BX	1090130000	0.25
SV 7.62HP/04/90MF4 SC/06R SN BK BX	1090210000	0.25
SV 7.62HP/04/90MF4 SC/08R SN BK BX	1156890000	0.25
SV 7.62HP/04/90MSF4 SC/04R SN BK BX	1090370000	0.27
SV 7.62HP/04/90MSF4 SC/06R SN BK BX	1090450000	0.27
SV 7.62HP/04/90MSF4 SC/08R SN BK BX	1156900000	0.27
SV 7.62HP/04/90SF 3.5SN BK BX	1930510000	0.131
SV 7.62HP/05/180F 3.5SN BK BX	1930740000	0.135
SV 7.62HP/05/180G 3.5SN BK BX	1930630000	0.134
SV 7.62HP/05/180MF2 3.5SN BK BX	1464320000	0.136

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SV 7.62HP/05/180MF3 3.5SN BK BX	1048590000	0.137
SV 7.62HP/05/180MF4 3.5SN BK BX	1048600000	0.137
SV 7.62HP/05/180SF 3.5SN BK BX	1930850000	0.135
SV 7.62HP/05/270F 3.5SN BK BX	1931400000	0.139
SV 7.62HP/05/270G 3.5SN BK BX	1931290000	0.138
SV 7.62HP/05/270G SC/04R SN BK BX	1091240000	0.28
SV 7.62HP/05/270G SC/06R SN BK BX	1091260000	0.28
SV 7.62HP/05/270G SC/08R SN BK BX	1156990000	0.28
SV 7.62HP/05/270MF2 3.5SN BK BX	1464350000	0.140
SV 7.62HP/05/270MF3 3.5SN BK BX	1048640000	0.141
SV 7.62HP/05/270MF3 SC/04R SN BK BX	1156300000	0.31
SV 7.62HP/05/270MF3 SC/06R SN BK BX	1156310000	0.31
SV 7.62HP/05/270MF3 SC/08R SN BK BX	1156320000	0.31
SV 7.62HP/05/270MF4 3.5SN BK BX	1048650000	0.141
SV 7.62HP/05/270MF4 SC/04R SN BK BX	1090300000	0.31
SV 7.62HP/05/270MF4 SC/06R SN BK BX	1090380000	0.31
SV 7.62HP/05/270MF4 SC/08R SN BK BX	1156340000	0.31
SV 7.62HP/05/270MSF3 SC/04R SN BK BX	1156370000	0.33
SV 7.62HP/05/270MSF3 SC/06R SN BK BX	1156390000	0.33
SV 7.62HP/05/270MSF3 SC/08R SN BK BX	1156410000	0.33
SV 7.62HP/05/270MSF4 SC/04R SN BK BX	1090540000	0.33
SV 7.62HP/05/270MSF4 SC/06R SN BK BX	1090610000	0.33
SV 7.62HP/05/270MSF4 SC/08R SN BK BX	1156430000	0.33
SV 7.62HP/05/270SF 3.5SN BK BX	1931510000	0.139
SV 7.62HP/05/90F 3.5SN BK BX	1930410000	0.131
SV 7.62HP/05/90G 3.5SN BK BX	1930300000	0.130
SV 7.62HP/05/90G SC/04R SN BK BX	1090520000	0.22
SV 7.62HP/05/90G SC/06R SN BK BX	1090590000	0.22
SV 7.62HP/05/90G SC/08R SN BK BX	1157080000	0.22
SV 7.62HP/05/90MF2 3.5SN BK BX	1464280000	0.132
SV 7.62HP/05/90MF3 3.5SN BK BX	1048680000	0.133
SV 7.62HP/05/90MF3 SC/04R SN BK BX	1156910000	0.25
SV 7.62HP/05/90MF3 SC/06R SN BK BX	1156930000	0.25
SV 7.62HP/05/90MF3 SC/08R SN BK BX	1156950000	0.25
SV 7.62HP/05/90MF4 3.5SN BK BX	1048690000	0.133
SV 7.62HP/05/90MF4 SC/04R SN BK BX	1090600000	0.25
SV 7.62HP/05/90MF4 SC/06R SN BK BX	1090670000	0.25
SV 7.62HP/05/90MF4 SC/08R SN BK BX	1156980000	0.25
SV 7.62HP/05/90MSF3 SC/04R SN BK BX	1157000000	0.27
SV 7.62HP/05/90MSF3 SC/06R SN BK BX	1157010000	0.27
SV 7.62HP/05/90MSF3 SC/08R SN BK BX	1157020000	0.27
SV 7.62HP/05/90MSF4 SC/04R SN BK BX	1090830000	0.27
SV 7.62HP/05/90MSF4 SC/06R SN BK BX	1090900000	0.27
SV 7.62HP/05/90MSF4 SC/08R SN BK BX	1157030000	0.27
SV 7.62HP/05/90SF 3.5SN BK BX	1930520000	0.131
SV 7.62HP/06/180F 3.5SN BK BX	1930750000	0.135
SV 7.62HP/06/180G 3.5SN BK BX	1930640000	0.134
SV 7.62HP/06/180MF2 3.5SN BK BX	1543190000	0.136
SV 7.62HP/06/180MF3 3.5SN BK BX	1543210000	0.137
SV 7.62HP/06/180MF4 3.5SN BK BX	1048720000	0.137
SV 7.62HP/06/180SF 3.5SN BK BX	1930860000	0.135
SV 7.62HP/06/270F 3.5SN BK BX	1931410000	0.139
SV 7.62HP/06/270G 3.5SN BK BX	1931300000	0.138
SV 7.62HP/06/270MF2 3.5SN BK BX	1543250000	0.140
SV 7.62HP/06/270MF3 3.5SN BK BX	1543260000	0.141
SV 7.62HP/06/270MF4 3.5SN BK BX	1048740000	0.141
SV 7.62HP/06/270SF 3.5SN BK BX	1931520000	0.139
SV 7.62HP/06/90F 3.5SN BK BX	1930420000	0.131
SV 7.62HP/06/90G 3.5SN BK BX	1930310000	0.130
SV 7.62HP/06/90MF2 3.5SN BK BX	1543090000	0.132
SV 7.62HP/06/90MF3 3.5SN BK BX	1543120000	0.133
SV 7.62HP/06/90MF4 3.5SN BK BX	1048760000	0.133
SV 7.62HP/06/90SF 3.5SN BK BX	1930530000	0.131
SV 7.62HP/07/180F 3.5SN BK BX	1930760000	0.135
SV 7.62HP/07/180G 3.5SN BK BX	1930650000	0.134
SV 7.62HP/07/180SF 3.5SN BK BX	1930870000	0.135
SV 7.62HP/07/270F 3.5SN BK BX	1931420000	0.139
SV 7.62HP/07/270G 3.5SN BK BX	1931310000	0.138
SV 7.62HP/07/270SF 3.5SN BK BX	1931530000	0.139
SV 7.62HP/07/90F 3.5SN BK BX	1930430000	0.131
SV 7.62HP/07/90G 3.5SN BK BX	1930320000	0.130
SV 7.62HP/07/90SF 3.5SN BK BX	1930540000	0.131
SV 7.62HP/08/180F 3.5SN BK BX	1930770000	0.135
SV 7.62HP/08/180G 3.5SN BK BX	1930660000	0.134
SV 7.62HP/08/180SF 3.5SN BK BX	1930880000	0.135
SV 7.62HP/08/270F 3.5SN BK BX	1931430000	0.139
SV 7.62HP/08/270G 3.5SN BK BX	1931320000	0.138
SV 7.62HP/08/270SF 3.5SN BK BX	1931540000	0.139
SV 7.62HP/08/90F 3.5SN BK BX	1930440000	0.131
SV 7.62HP/08/90G 3.5SN BK BX	1930330000	0.130
SV 7.62HP/08/90SF 3.5SN BK BX	1930550000	0.131
SV 7.62HP/09/180F 3.5SN BK BX	1930780000	0.135
SV 7.62HP/09/180G 3.5SN BK BX	1930670000	0.134
SV 7.62HP/09/180SF 3.5SN BK BX	1930890000	0.135
SV 7.62HP/09/270F 3.5SN BK BX	1931440000	0.139
SV 7.62HP/09/270G 3.5SN BK BX	1931330000	0.138
SV 7.62HP/09/270SF 3.5SN BK BX	1931550000	0.139
SV 7.62HP/09/90F 3.5SN BK BX	1930450000	0.131
SV 7.62HP/09/90G 3.5SN BK BX	1930340000	0.130
SV 7.62HP/09/90SF 3.5SN BK BX	1930560000	0.131
SV 7.62HP/10/180F 3.5SN BK BX	1930790000	0.135
SV 7.62HP/10/180G 3.5SN BK BX	1930680000	0.134
SV 7.62HP/10/180SF 3.5SN BK BX	1930900000	0.135
SV 7.62HP/10/270F 3.5SN BK BX	1931450000	0.139
SV 7.62HP/10/270G 3.5SN BK BX	1931340000	0.138
SV 7.62HP/10/270SF 3.5SN BK BX	1931570000	0.139
SV 7.62HP/10/90F 3.5SN BK BX	1930460000	0.131
SV 7.62HP/10/90G 3.5SN BK BX	1930350000	0.130
SV 7.62HP/10/90SF 3.5SN BK BX	1930570000	0.131

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SV 7.62HP/11/180F 3.5SN BK BX	1930800000	0.135
SV 7.62HP/11/180G 3.5SN BK BX	1930690000	0.134
SV 7.62HP/11/180SF 3.5SN BK BX	1930910000	0.135
SV 7.62HP/11/270F 3.5SN BK BX	1931460000	0.139
SV 7.62HP/11/270G 3.5SN BK BX	1931350000	0.138
SV 7.62HP/11/270SF 3.5SN BK BX	1931580000	0.139
SV 7.62HP/11/90F 3.5SN BK BX	1930470000	0.131
SV 7.62HP/11/90G 3.5SN BK BX	1930360000	0.130
SV 7.62HP/11/90SF 3.5SN BK BX	1930580000	0.131
SV 7.62HP/12/180F 3.5SN BK BX	1930810000	0.135
SV 7.62HP/12/180G 3.5SN BK BX	1930700000	0.134
SV 7.62HP/12/180SF 3.5SN BK BX	1930920000	0.135
SV 7.62HP/12/270F 3.5SN BK BX	1931470000	0.139
SV 7.62HP/12/270G 3.5SN BK BX	1931360000	0.138
SV 7.62HP/12/270SF 3.5SN BK BX	1931590000	0.139
SV 7.62HP/12/90F 3.5SN BK BX	1930480000	0.131
SV 7.62HP/12/90G 3.5SN BK BX	1930370000	0.130
SV 7.62HP/12/90SF 3.5SN BK BX	1930590000	0.131
SV 7.62IT/02/270MF2 3.5SN BK BX SO	1156490000	0.68
SV 7.62IT/02/90MF2 3.5SN BK BX SO	1156540000	0.66
SV 7.62IT/03/270MF2 3.5SN BK BX	1156500000	0.68
SV 7.62IT/03/270MF3 3.5SN BK BX	1156510000	0.69
SV 7.62IT/03/90MF2 3.5SN BK BX	1156550000	0.66
SV 7.62IT/03/90MF3 3.5SN BK BX	1156570000	0.67
SV 7.62IT/04/270MF2 3.5SN BK BX	1156520000	0.68
SV 7.62IT/04/270MF4 3.5SN BK BX	1156530000	0.69
SV 7.62IT/04/90MF2 3.5SN BK BX	1156580000	0.66
SV 7.62IT/04/90MF4 3.5SN BK BX	1156590000	0.67
SV-SMT 7.62HP/02/270F 2.6SN BK BX	2499540000	0.129
SV-SMT 7.62HP/02/270G 2.6SN BK BX	2499330000	0.128
SV-SMT 7.62HP/02/270G 2.6SN BK RL	2546140000	0.129
SV-SMT 7.62HP/02/270G SC/4 2.6SN BX	2528970000	0.16
SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX	2529010000	0.18
SV-SMT 7.62HP/02/270MSF2 SC/4 2.6SN BX	2529540000	0.20
SV-SMT 7.62HP/02/90F 2.6SN BK BX	2499520000	0.127
SV-SMT 7.62HP/02/90G 2.6SN BK BX	2499320000	0.126
SV-SMT 7.62HP/02/90G 2.6SN BK RL	2545800000	0.127
SV-SMT 7.62HP/02/90G SC/4 2.6SN BX	2528950000	0.10
SV-SMT 7.62HP/02/90G SC/6 2.6SN BX	2529030000	0.10
SV-SMT 7.62HP/02/90G SC/8 2.6SN BX	2529040000	0.10
SV-SMT 7.62HP/02/90MF2 SC/4 2.6SN BX	2529000000	0.12
SV-SMT 7.62HP/02/90MSF2 SC/4 2.6SN BX	2529890000	0.14
SV-SMT 7.62HP/03/270F 2.6SN BK BX	2499910000	0.129
SV-SMT 7.62HP/03/270G 2.6SN BK BX	2499340000	0.128
SV-SMT 7.62HP/03/270G 2.6SN BK RL	2546150000	0.129
SV-SMT 7.62HP/03/90F 2.6SN BK BX	2499570000	0.127
SV-SMT 7.62HP/03/90G 2.6SN BK BX	2499500000	0.126
SV-SMT 7.62HP/03/90G 2.6SN BK RL	2546110000	0.127
SV-SMT 7.62HP/03/90G SC/4 2.6SN BX	2529050000	0.10
SV-SMT 7.62HP/03/90G SC/6 2.6SN BX	2529060000	0.10
SV-SMT 7.62HP/03/90G SC/8 2.6SN BX	2529070000	0.10
SV-SMT 7.62HP/04/270F 2.6SN BK BX	2499920000	0.129
SV-SMT 7.62HP/04/270G 2.6SN BK BX	2499350000	0.128
SV-SMT 7.62HP/04/270G 2.6SN BK RL	2546160000	0.129
SV-SMT 7.62HP/04/270G SC/4 2.6SN BX	2529310000	0.16
SV-SMT 7.62HP/04/270MF4 SC/4 2.6SN BX	2529450000	0.19
SV-SMT 7.62HP/04/270MF4 SC/6 2.6SN BX	2529460000	0.19
SV-SMT 7.62HP/04/270MF4 SC/8 2.6SN BX	2529470000	0.19
SV-SMT 7.62HP/04/270MSF4 SC/4 2.6SN BX	2529630000	0.21
SV-SMT 7.62HP/04/90F 2.6SN BK BX	2499580000	0.127
SV-SMT 7.62HP/04/90G 2.6SN BK BX	2499550000	0.126
SV-SMT 7.62HP/04/90G 2.6SN BK RL	2546120000	0.127
SV-SMT 7.62HP/04/90G SC/4 2.6SN BX	2529080000	0.10
SV-SMT 7.62HP/04/90G SC/6 2.6SN BX	2529090000	0.10
SV-SMT 7.62HP/04/90G SC/8 2.6SN BX	2529100000	0.10
SV-SMT 7.62HP/04/90MF2 SC/4 2.6SN BX	2626800000	0.12
SV-SMT 7.62HP/04/90MF4 SC/4 2.6SN BX	2529800000	0.13
SV-SMT 7.62HP/04/90MSF2 SC/4 2.6SN BX	2626930000	0.14
SV-SMT 7.62HP/04/90MSF4 SC/4 2.6SN BX	2529980000	0.15
SV-SMT 7.62HP/05/270F 2.6SN BK BX	2499930000	0.129
SV-SMT 7.62HP/05/270G 2.6SN BK BX	2499360000	0.128
SV-SMT 7.62HP/05/270G 2.6SN BK RL	2546170000	0.129
SV-SMT 7.62HP/05/270MF4 SC/4 2.6SN BX	2529510000	0.19
SV-SMT 7.62HP/05/270MF4 SC/6 2.6SN BX	2529520000	0.19
SV-SMT 7.62HP/05/270MF4 SC/8 2.6SN BX	2529530000	0.19
SV-SMT 7.62HP/05/90F 2.6SN BK BX	2499590000	0.127
SV-SMT 7.62HP/05/90G 2.6SN BK BX	2499560000	0.126
SV-SMT 7.62HP/05/90G 2.6SN BK RL	2546130000	0.127
SV-SMT 7.62IT/02/90MF2 2.6SN BK BX	2499530000	0.64
SV-SMT 7.62IT/03/90MF2 2.6SN BK BX	2499720000	0.64
SV-SMT 7.62IT/03/90MF3 2.6SN BK BX	2499730000	0.65
SV-SMT 7.62IT/04/90MF2 2.6SN BK BX	2499740000	0.64
SV-SMT 7.62IT/04/90MF3 2.6SN BK BX	2499750000	0.65
SV-SMT 7.62IT/04/90MF4 2.6SN BK BX	2454110000	0.65
SVD 7.62HP/04/270F 3.2SN BK BX	1523940000	0.143
SVD 7.62HP/04/270G 3.2SN BK BX	1543290000	0.142
SVD 7.62HP/06/270F 3.2SN BK BX	1523950000	0.143
SVD 7.62HP/06/270G 3.2SN BK BX	1543310000	0.142
SVD 7.62HP/08/270F 3.2SN BK BX	1523970000	0.143
SVD 7.62HP/08/270G 3.2SN BK BX	1543320000	0.142
SVD 7.62HP/10/270F 3.2SN BK BX	1523980000	0.143
SVD 7.62HP/10/270G 3.2SN BK BX	1543330000	0.142
SVD 7.62HP/12/270F 3.2SN BK BX	1523990000	0.143
SVD 7.62HP/12/270G 3.2SN BK BX	1543340000	0.142
SVF 7.62HP/02/180F SN BK BX	1060900000	0.145
SVF 7.62HP/02/180FI SN BK BX	1124750000	0.146
SVF 7.62HP/02/180G SN BK BX	1060830000	0.144
SVF 7.62HP/02/180MF2 SN BK BX	1061020000	0.148
SVF 7.62HP/02/180MSF2 SN BK BX	1061110000	0.150

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SVF 7.62HP/02/180SF SN BK BX	1060950000	Q.145
SVF 7.62HP/02/180SFBMF2 SN BK BX	1429920000	Q.154
SVF 7.62HP/02/180SFI SN BK BX	1124810000	Q.147
SVF 7.62HP/02/180SFMF2 SN BK BX	1427220000	Q.152
SVF 7.62HP/03/180F SN BK BX	1060910000	Q.145
SVF 7.62HP/03/180FI SN BK BX	1124760000	Q.146
SVF 7.62HP/03/180G SN BK BX	1060840000	Q.144
SVF 7.62HP/03/180MF2 SN BK BX	1061030000	Q.148
SVF 7.62HP/03/180MF3 SN BK BX	1061040000	Q.149
SVF 7.62HP/03/180MSF2 SN BK BX	1061120000	Q.150
SVF 7.62HP/03/180MSF3 SN BK BX	1061130000	Q.151
SVF 7.62HP/03/180SF SN BK BX	1060970000	Q.145
SVF 7.62HP/03/180SFBMF2 SN BK BX	1429930000	Q.154
SVF 7.62HP/03/180SFBMF3 SN BK BX	1429940000	Q.155
SVF 7.62HP/03/180SFI SN BK BX	1124820000	Q.147
SVF 7.62HP/03/180SFMF2 SN BK BX	1427230000	Q.152
SVF 7.62HP/03/180SFMF3 SN BK BX	1427240000	Q.153
SVF 7.62HP/04/180MF3 SN BK BX	1061050000	Q.149
SVF 7.62HP/04/180MF4 SN BK BX	1430030000	Q.149
SVF 7.62HP/04/180MSF3 SN BK BX	1061140000	Q.151
SVF 7.62HP/04/180MSF4 SN BK BX	1430080000	Q.151
SVF 7.62HP/04/180SFBMF2 SN BK BX	1429950000	Q.154
SVF 7.62HP/04/180SFBMF3 SN BK BX	1429960000	Q.155
SVF 7.62HP/04/180SFBMF4 SN BK BX	1429970000	Q.155
SVF 7.62HP/04/180SFMF2 SN BK BX	1427250000	Q.152
SVF 7.62HP/04/180SFMF3 SN BK BX	1427260000	Q.153
SVF 7.62HP/04/180SFMF4 SN BK BX	1427270000	Q.153
SVF/BVF 7.62HP COUPLE SET	1440850000	Q.152
SVF/BVF 7.62HP COUPLE SET	1440850000	Q.154
SVF/BVF 7.62HP COUPLE SET	1440850000	Q.168
SVF/BVF 7.62HP COUPLE SET	1440850000	Q.170
SVF/BVF 7.62HP COUPLE SET	1440850000	Q.174
SVF/BVF 7.62HP COUPLE SET	1440850000	R.2
SVFL 7.62HP/02/180MF2 SN BK BX	2630260000	Q.158
SVFL 7.62HP/03/180MF2 SN BK BX	2630420000	Q.158
SVFL 7.62HP/03/180MF3 SN BK BX	2630450000	Q.159
SVFL 7.62HP/04/180F SN BK BX	1547570000	Q.157
SVFL 7.62HP/04/180G SN BK BX	1547550000	Q.156
SVFL 7.62HP/04/180MF2 SN BK BX	2630430000	Q.158
SVFL 7.62HP/04/180MF3 SN BK BX	1547580000	Q.159
SVFL 7.62HP/04/180MF4 SN BK BX	2630470000	Q.159
SWIFTY CS	9006020000	S.53
SWIFTY CS SET	9006060000	S.53

T

TS 35X15/LL 1M/ST/ZN	0236510000	S.41
TS 35X7.5/LL 1M/ST/ZN	0514510000	S.41

U

U-MAKER BOX EXTENSION KIT	2887700000	S.57
U-MAKER BOX RASPBERRY PI 4	2887690000	S.56
U-MAKER BOX RASPBERRY PI 5	3080240000	S.56
USB2.OC S1V DA4 RL	3125420000	E.7
USB3.1C S1H DN1 RL	2987560000	E.8
USB3.1C S1V 1.7N4 RL	3158920000	E.7
USB3.1C S1V DN1 RL	2987540000	E.6
USB3.1C S1V DN4 RL	3100390000	E.7

V

VDS180 SV7.62	1853940000	Q.134
VDS180 SV7.62	1853940000	Q.136
VDS180 SV7.62	1853940000	Q.180
VDS180 SV7.62	1853940000	Q.194
VDS180 SV7.62	1853940000	R.4
VREL PGK4 OR VPE 30	1288610000	Q.10
VWGK 4 GN/YE BX	1936480000	Q.13
VWGK 4 GY BX	1936490000	Q.13
VWGK 6 GN/YE BX	2484680000	Q.14
VWGK 6 GY BX	2484800000	Q.14

W

WGK 10 GN/YE BX	2439380000	Q.16
WGK 10 GY BX	2439390000	Q.16
WGK 10 VP GN/YE BX	2439430000	Q.17
WGK 10 VP GY BX	2439450000	Q.17
WGK 10 VP/Z GN/YE BX	2439440000	Q.17
WGK 10 VP/Z GY BX	2439420000	Q.17
WGK 10/Z GN/YE BX	2439400000	Q.16
WGK 10/Z GY BX	2439410000	Q.16
WGK 16 GN/YE BX	2439600000	Q.18
WGK 16 GY BX	2440560000	Q.18
WGK 16 VP GN/YE BX	2440610000	Q.19
WGK 16 VP GY BX	2440620000	Q.19
WGK 16 VP/Z GN/YE BX	2440630000	Q.19
WGK 16 VP/Z GY BX	2440640000	Q.19
WGK 16/Z GN/YE BX	2440570000	Q.18
WGK 16/Z GY BX	2440580000	Q.18
WGK 25 GN/YE BX	2444650000	Q.20
WGK 25 GY BX	2444660000	Q.20
WGK 25 VP GN/YE BX	2444700000	Q.21
WGK 25 VP GY BX	2444710000	Q.21
WGK 25 VP/Z GN/YE BX	2444720000	Q.21
WGK 25 VP/Z GY BX	2444730000	Q.21
WGK 25/Z GN/YE BX	2444640000	Q.20
WGK 25/Z GY BX	2444300000	Q.20
WGK 4 GN/YE BX	1936540000	Q.12
WGK 4 GY BX	1936550000	Q.12
WGK 4 VP GN/YE BX	1003890000	Q.13
WGK 4 VP GY BX	1981890000	Q.13
WGK 4 VP/Z GN/YE BX	1003900000	Q.13
WGK 4 VP/Z GY BX	1003910000	Q.13
WGK 4/Z GN/YE BX	1936560000	Q.12
WGK 4/Z GY BX	1936570000	Q.12
WGK 50 GN/YE BX	2427660000	Q.22
WGK 50 GY BX	2427640000	Q.22
WGK 50 VP GN/YE BX	2428270000	Q.23
WGK 50 VP GY BX	2428280000	Q.23
WGK 50 VP/Z GY BX	2428300000	Q.23
WGK 50 VP/Z GN/YE BX	2428290000	Q.23
WGK 50/Z GN/YE BX	2427810000	Q.22
WGK 50/Z GY BX	2427650000	Q.22
WGK 95 GN/YE BX	1937370000	Q.24
WGK 95 GY BX	1937380000	Q.24
WGK 95/Z GN/YE BX	1937390000	Q.24
WGK 95/Z GY BX	1937400000	Q.24
WGK 95F VP GN/YE BX	1937120000	Q.25
WGK 95F VP GY BX	1937130000	Q.25
WGK 95F VP/Z GN/YE BX	1937360000	Q.25
WGK 95F VP/Z GY BX	1937140000	Q.25
WGKV 10 GN/YE BX	2439530000	Q.17
WGKV 10 GY BX	2439520000	Q.17
WGKV 10/Z GN/YE BX	2439540000	Q.17
WGKV 10/Z GY BX	2439550000	Q.17
WGKV 16 GN/YE BX	2440740000	Q.19
WGKV 16 GY BX	2440750000	Q.19
WGKV 16/Z GN/YE BX	2440720000	Q.19
WGKV 16/Z GY BX	2440730000	Q.19
WGKV 25 GN/YE BX	2444830000	Q.21
WGKV 25 GY BX	2444820000	Q.21
WGKV 25/Z GN/YE BX	2444810000	Q.21
WGKV 25/Z GY BX	2444860000	Q.21
WGKV 4 GN/YE BX	1936610000	Q.13
WGKV 4 GY BX	1934050000	Q.13
WGKV 4/Z GN/YE BX	1936620000	Q.13
WGKV 4/Z GY BX	1936630000	Q.13
WS 10/5 MC NE WS	1635000000	S.51
WS 12/5 MC NE WS	1609860000	S.51
WSM TOOL AUTOMATIK	1774470000	Q.40
WSM TOOL AUTOMATIK	1774470000	Q.42
WSM TOOL AUTOMATIK	1774470000	Q.46

Z

ZQV 4N/2	1527930000	S.43
ZQV 4N/2 BL	1528040000	S.43
ZQV 4N/2 RD	2460450000	S.43

Order No.	Type	Page
0180000000		
0180400000	PS 2.3 RT	Q.10
0230000000		
0236510000	TS 35X15/LL 1M/ST/ZN	S.41
0310000000		
0310000000	PS 2.0 MC	G.82
0310000000	PS 2.0 MC	G.84
0310000000	PS 2.0 MC	M.12
0310000000	PS 2.0 MC	N.19
0310000000	PS 2.0 MC	N.20
0310000000	PS 2.0 MC	N.21
0310000000	PS 2.0 MC	N.22
0310000000	PS 2.0 MC	N.24
0310000000	PS 2.0 MC	N.26
0310000000	PS 2.0 MC	N.27
0310000000	PS 2.0 MC	N.28
0310000000	PS 2.0 MC	N.29
0310000000	PS 2.0 MC	N.30
0310000000	PS 2.0 MC	N.31
0310000000	PS 2.0 MC	N.32
0310000000	PS 2.0 MC	N.33
0310000000	PS 2.0 MC	N.34
0310000000	PS 2.0 MC	N.35
0310000000	PS 2.0 MC	N.36
0310000000	PS 2.0 MC	N.37
0310000000	PS 2.0 MC	N.38
0310000000	PS 2.0 MC	N.39
0310000000	PS 2.0 MC	N.40
0310000000	PS 2.0 MC	N.41
0310000000	PS 2.0 MC	R.6
0470000000		
0473360000	DEK 5 NEUTRAL	N.18
0473360000	DEK 5 NEUTRAL	N.19
0473360000	DEK 5 NEUTRAL	N.20
0473360000	DEK 5 NEUTRAL	N.21
0473360000	DEK 5 NEUTRAL	N.22
0473360000	DEK 5 NEUTRAL	N.24
0510000000		
0514510000	TS 35X7.5/LL 1M/ST/ZN	S.41
0640000000		
0646210000	MOFU 35/L0/1 SW	S.51
1000000000		
1000550000	BL-I/O 3.50/30LR SN BK BX	I.55
1000570000	BL-I/O 3.50/30LR PNP LED SN BK BX	I.57
1000590000	BL-I/O 3.50/30LR NPN LED SN BK BX	I.59
1000600000	SL-SMT 3.50/04/90RF 1.5SN BK BX	I.33
1000610000	SL-SMT 3.50/05/90RF 1.5SN BK BX	I.33
1000620000	SL-SMT 3.50/06/90RF 1.5SN BK BX	I.33
1000630000	SL-SMT 3.50/07/90RF 1.5SN BK BX	I.33
1000640000	SL-SMT 3.50/08/90RF 1.5SN BK BX	I.33
1000650000	SL-SMT 3.50/09/90RF 1.5SN BK BX	I.33
1000660000	SL-SMT 3.50/11/90RF 1.5SN BK BX	I.33
1000670000	SL-SMT 3.50/12/90RF 1.5SN BK BX	I.33
1001150000	BLDF 5.08/02/180 SN OR BX	K.114
1001160000	BLDF 5.08/03/180 SN OR BX	K.114
1001170000	BLDF 5.08/04/180 SN OR BX	K.114
1001180000	BLDF 5.08/05/180 SN OR BX	K.114
1001190000	BLDF 5.08/06/180 SN OR BX	K.114
1001200000	BLDF 5.08/07/180 SN OR BX	K.114
1001210000	BLDF 5.08/08/180 SN OR BX	K.114
1001220000	BLDF 5.08/02/180F SN OR BX	K.115
1001530000	BLF 5.08HC/02/90 SN OR BX	K.110
1001540000	BLF 5.08HC/03/90 SN OR BX	K.110
1001550000	BLF 5.08HC/04/90 SN OR BX	K.110
1001560000	BLF 5.08HC/05/90 SN OR BX	K.110
1001570000	BLF 5.08HC/06/90 SN OR BX	K.110
1001580000	BLF 5.08HC/07/90 SN OR BX	K.110
1001590000	BLF 5.08HC/08/90 SN OR BX	K.110
1001600000	BLF 5.08HC/09/90 SN OR BX	K.110
1001610000	BLF 5.08HC/10/90 SN OR BX	K.110
1001620000	BLF 5.08HC/11/90 SN OR BX	K.110
1001630000	BLF 5.08HC/12/90 SN OR BX	K.110
1001720000	LL 5.00/04/90 3.2SN OR BX	G.30
1001730000	LL 5.00/05/90 3.2SN OR BX	G.30
1001740000	LL 5.00/06/90 3.2SN OR BX	G.30
1001750000	LL 5.00/07/90 3.2SN OR BX	G.30
1001760000	LL 5.00/08/90 3.2SN OR BX	G.30
1001770000	LL 5.00/09/90 3.2SN OR BX	G.30
1001780000	LL 5.00/10/90 3.2SN OR BX	G.30
1001790000	LL 5.00/11/90 3.2SN OR BX	G.30
1001800000	LL 5.00/12/90 3.2SN OR BX	G.30
1001850000	LL 5.08/04/90 3.2SN OR BX	G.31
1001860000	LL 5.08/05/90 3.2SN OR BX	G.31
1001870000	LL 5.08/06/90 3.2SN OR BX	G.31
1001880000	LL 5.08/07/90 3.2SN OR BX	G.31
1001890000	LL 5.08/08/90 3.2SN OR BX	G.31
1001900000	LL 5.08/09/90 3.2SN OR BX	G.31
1001910000	LL 5.08/10/90 3.2SN OR BX	G.31
1001920000	LL 5.08/11/90 3.2SN OR BX	G.31
1001930000	LL 5.08/12/90 3.2SN OR BX	G.31
1002090000	BLF 5.08HC/02/90F SN OR BX	K.111
1002100000	BLF 5.08HC/03/90F SN OR BX	K.111
1002110000	BLF 5.08HC/04/90F SN OR BX	K.111
1002120000	BLF 5.08HC/05/90F SN OR BX	K.111
1002130000	BLF 5.08HC/06/90F SN OR BX	K.111
1002140000	BLF 5.08HC/07/90F SN OR BX	K.111
1002150000	BLF 5.08HC/08/90F SN OR BX	K.111
1002160000	BLF 5.08HC/09/90F SN OR BX	K.111
1002170000	BLF 5.08HC/10/90F SN OR BX	K.111
1002180000	BLF 5.08HC/11/90F SN OR BX	K.111
1002190000	BLF 5.08HC/12/90F SN OR BX	K.111
1002280000	BLF 5.08HC/02/90LR SN OR BX	K.111
1002290000	BLF 5.08HC/03/90LR SN OR BX	K.111
1002300000	BLF 5.08HC/04/90LR SN OR BX	K.111
1002310000	BLF 5.08HC/05/90LR SN OR BX	K.111
1002320000	BLF 5.08HC/06/90LR SN OR BX	K.111
1002330000	BLF 5.08HC/07/90LR SN OR BX	K.111
1002340000	BLF 5.08HC/08/90LR SN OR BX	K.111
1002350000	BLF 5.08HC/09/90LR SN OR BX	K.111
1002360000	BLF 5.08HC/10/90LR SN OR BX	K.111
1002370000	BLF 5.08HC/11/90LR SN OR BX	K.111
1002380000	BLF 5.08HC/12/90LR SN OR BX	K.111
1003280000	SMSE FE MCZ 1.5/PE	S.43
1003510000	SL-SMT 3.50/02/135F 3.2SN BK BX	I.41
1003520000	SL-SMT 3.50/03/135F 3.2SN BK BX	I.41
1003530000	SL-SMT 3.50/04/135F 3.2SN BK BX	I.41
1003540000	SL-SMT 3.50/05/135F 3.2SN BK BX	I.41
1003550000	SL-SMT 3.50/06/135F 3.2SN BK BX	I.41
1003560000	SL-SMT 3.50/07/135F 3.2SN BK BX	I.41
1003570000	SL-SMT 3.50/08/135F 3.2SN BK BX	I.41
1003580000	SL-SMT 3.50/09/135F 3.2SN BK BX	I.41
1003590000	SL-SMT 3.50/10/135F 3.2SN BK BX	I.41
1003600000	SL-SMT 3.50/11/135F 3.2SN BK BX	I.41
1003620000	SL-SMT 3.50/12/135F 3.2SN BK BX	I.41
1003890000	WGK 4 VP GN/YE BX	Q.13
1003900000	WGK 4 VP/Z GN/YE BX	Q.13
1003910000	WGK 4 VP/Z GY BX	Q.13
1005180000	SL-SMT 3.50/10/90LF 1.5SN BK RL	I.31
1005280000	BCZ 3.81 AH03 BK BX	J.48
1005280000	BCZ 3.81 AH03 BK BX	M.4
1005290000	BCZ 3.81 AH04 BK BX	J.48
1005290000	BCZ 3.81 AH04 BK BX	M.4
1005300000	BCZ 3.81 AH05 BK BX	J.48
1005300000	BCZ 3.81 AH05 BK BX	M.4
1005310000	BCZ 3.81 AH06 BK BX	J.48
1005310000	BCZ 3.81 AH06 BK BX	M.4
1005320000	BCZ 3.81 AH07 BK BX	J.48
1005320000	BCZ 3.81 AH07 BK BX	M.4
1005330000	BCZ 3.81 AH08 BK BX	J.48
1005330000	BCZ 3.81 AH08 BK BX	M.4
1005340000	BCZ 3.81 AH09 BK BX	J.48
1005340000	BCZ 3.81 AH09 BK BX	M.4
1005350000	BCZ 3.81 AH10 BK BX	J.48
1005350000	BCZ 3.81 AH10 BK BX	M.4
1005360000	BCZ 3.81 AH11 BK BX	M.4
1005370000	BCZ 3.81 AH12 BK BX	J.48
1005370000	BCZ 3.81 AH12 BK BX	M.4
1005380000	BCZ 3.81 AH13 BK BX	J.48
1005390000	BCZ 3.81 AH14 BK BX	J.48
1005400000	BCZ 3.81 AH15 BK BX	J.48
1005410000	BCZ 3.81 AH16 BK BX	J.48
1010000000		
1012060000	BLDF 5.08/03/180F SN OR BX	K.115
1013070000	BLF 5.08HC/02/180F SN OR BX	K.109
1013090000	BLF 5.08HC/03/180F SN OR BX	K.109
1013110000	BLF 5.08HC/04/180F SN OR BX	K.109
1013120000	BLF 5.08HC/05/180F SN OR BX	K.109
1013130000	BLF 5.08HC/06/180F SN OR BX	K.109
1013140000	BLF 5.08HC/07/180F SN OR BX	K.109
1013150000	BLF 5.08HC/08/180F SN OR BX	K.109
1013160000	BLF 5.08HC/09/180F SN OR BX	K.109
1013170000	BLF 5.08HC/10/180F SN OR BX	K.109
1013180000	BLF 5.08HC/11/180F SN OR BX	K.109
1013190000	BLF 5.08HC/12/180F SN OR BX	K.109
1013680000	BLF 5.08HC/02/180 SN OR BX	K.108
1013690000	BLF 5.08HC/03/180 SN OR BX	K.108
1013710000	BLF 5.08HC/04/180 SN OR BX	K.108
1013720000	BLF 5.08HC/05/180 SN OR BX	K.108
1013730000	BLF 5.08HC/06/180 SN OR BX	K.108
1013740000	BLF 5.08HC/07/180 SN OR BX	K.108
1013750000	BLF 5.08HC/08/180 SN OR BX	K.108
1013760000	BLF 5.08HC/09/180 SN OR BX	K.108
1013770000	BLF 5.08HC/10/180 SN OR BX	K.108
1013780000	BLF 5.08HC/11/180 SN OR BX	K.108
1013790000	BLF 5.08HC/12/180 SN OR BX	K.108
1014370000	BLF 5.08HC/02/180LR SN OR BX	K.109
1014380000	BLF 5.08HC/03/180LR SN OR BX	K.109
1014390000	BLF 5.08HC/04/180LR SN OR BX	K.109
1014410000	BLF 5.08HC/05/180LR SN OR BX	K.109
1014420000	BLF 5.08HC/06/180LR SN OR BX	K.109
1014430000	BLF 5.08HC/07/180LR SN OR BX	K.109
1014440000	BLF 5.08HC/08/180LR SN OR BX	K.109
1014450000	BLF 5.08HC/09/180LR SN OR BX	K.109
1014460000	BLF 5.08HC/10/180LR SN OR BX	K.109
1014470000	BLF 5.08HC/11/180LR SN OR BX	K.109
1014480000	BLF 5.08HC/12/180LR SN OR BX	K.109
1016340000	BLF 5.00HC/02/180LR SN OR BX	K.47
1016350000	BLF 5.00HC/03/180LR SN OR BX	K.47
1016360000	BLF 5.00HC/04/180LR SN OR BX	K.47
1016370000	BLF 5.00HC/05/180LR SN OR BX	K.47
1016380000	BLF 5.00HC/06/180LR SN OR BX	K.47
1016390000	BLF 5.00HC/07/180LR SN OR BX	K.47
1016410000	BLF 5.00HC/08/180LR SN OR BX	K.47
1016420000	BLF 5.00HC/09/180LR SN OR BX	K.47
1016430000	BLF 5.00HC/10/180LR SN OR BX	K.47
1016440000	BLF 5.00HC/11/180LR SN OR BX	K.47
1016450000	BLF 5.00HC/12/180LR SN OR BX	K.47
1017420000	BLF 5.00HC/02/180F SN OR BX	K.47
1017430000	BLF 5.00HC/03/180F SN OR BX	K.47
1017440000	BLF 5.00HC/04/180F SN OR BX	K.47
1017450000	BLF 5.00HC/05/180F SN OR BX	K.47
1017470000	BLF 5.00HC/06/180F SN OR BX	K.47
1017480000	BLF 5.00HC/07/180F SN OR BX	K.47
1017490000	BLF 5.00HC/08/180F SN OR BX	K.47
1017510000	BLF 5.00HC/09/180F SN OR BX	K.47
1017520000	BLF 5.00HC/10/180F SN OR BX	K.47
1017530000	BLF 5.00HC/11/180F SN OR BX	K.47
1017540000	BLF 5.00HC/12/180F SN OR BX	K.47
1017860000	BLF 5.00HC/02/180 SN OR BX	K.46
1017870000	BLF 5.00HC/03/180 SN OR BX	K.46
1017880000	BLF 5.00HC/04/180 SN OR BX	K.46
1017890000	BLF 5.00HC/05/180 SN OR BX	K.46
1017910000	BLF 5.00HC/06/180 SN OR BX	K.46
1017920000	BLF 5.00HC/07/180 SN OR BX	K.46
1017930000	BLF 5.00HC/08/180 SN OR BX	K.46
1017950000	BLF 5.00HC/09/180 SN OR BX	K.46
1017960000	BLF 5.00HC/10/180 SN OR BX	K.46
1017970000	BLF 5.00HC/11/180 SN OR BX	K.46
1017980000	BLF 5.00HC/12/180 SN OR BX	K.46
1020000000		
1020640000	AP RF 122 LI OR 2000	S.50
1020650000	AP RF 122 RE OR 2000	S.50
1020690000	RF 108 OR 2000	S.50
1026760000	SL 7.62HP/02/90G 3.2SN BK BX	Q.102
1026770000	SL 7.62HP/03/90G 3.2SN BK BX	Q.102
1026780000	SL 7.62HP/04/90G 3.2SN BK BX	Q.102
1026790000	SL 7.62HP/05/90G 3.2SN BK BX	Q.102
1026850000	SL 7.62HP/02/90F 3.2 SN BK BX	Q.103
1026860000	SL 7.62HP/03/90F 3.2 SN BK BX	Q.103
1026870000	SL 7.62HP/04/90F 3.2 SN BK BX	Q.103
1026880000	SL 7.62HP/05/90F 3.2 SN BK BX	Q.103
1028720000	BCL-SMT 3.81/02/90LFI 1.5SN BK BX	J.59
1028730000	BCL-SMT 3.81/03/90LFI 1.5SN BK BX	J.59
1028740000	BCL-SMT 3.81/04/90LFI 1.5SN BK BX	J.59
1028750000	BCL-SMT 3.81/05/90LFI 1.5SN BK BX	J.59
1028760000	BCL-SMT 3.81/06/90LFI 1.5SN BK BX	J.59
1028770000	BCL-SMT 3.81/07/90LFI 1.5SN BK BX	J.59
1028790000	BCL-SMT 3.81/08/90LFI 1.5SN BK BX	J.59
1028810000	BCL-SMT 3.81/09/90LFI 1.5SN BK BX	J.59
1028820000	BCL-SMT 3.81/10/90LFI 1.5SN BK BX	J.59
1028830000	BCL-SMT 3.81/11/90LFI 1.5SN BK BX	J.59
1028840000	BCL-SMT 3.81/12/90LFI 1.5SN BK BX	J.59
1029260000	BCL-SMT 3.81/02/180LFI 1.5SN BK BX	J.61
1029270000	BCL-SMT 3.81/03/180LFI 1.5SN BK BX	J.61
1029280000	BCL-SMT 3.81/04/180LFI 1.5SN BK BX	J.61
1029290000	BCL-SMT 3.81/05/180LFI 1.5SN BK BX	J.61
1029310000	BCL-SMT 3.81/06/180LFI 1.5SN BK BX	J.61
1029320000	BCL-SMT 3.81/07/180LFI 1.5SN BK BX	J.61
1029330000	BCL-SMT 3.81/08/180LFI 1.5SN BK BX	J.61
1029340000	BCL-SMT 3.81/09/180LFI 1.5SN BK BX	J.61
1029350000	BCL-SMT 3.81/10/180LFI 1.5SN BK BX	J.61
1029360000	BCL-SMT 3.81/11/180LFI 1.5SN BK BX	J.61
1029370000	BCL-SMT 3.81/12/180LFI 1.5SN BK BX	J.61
1029920000	SCD 3.81/04/180G 3.2SN OR BX	J.36
1029940000	SCD 3.81/06/180G 3.2SN OR BX	J.36
1029950000	SCD 3.81/08/180G 3.2SN OR BX	J.36
1029960000	SCD 3.81/10/180G 3.2SN OR BX	J.36
1029970000	SCD 3.81/12/180G 3.2SN OR BX	J.36
1029980000	SCD 3.81/14/180G 3.2SN OR BX	J.36
1029990000	SCD 3.81/16/180G 3.2SN OR BX	J.36
1030000000		
1030010000	SCD 3.81/18/180G 3.2SN OR BX	J.36
1030020000	SCD 3.81/20/180G 3.2SN OR BX	J.36
1030030000	SCD 3.81/22/180G 3.2SN OR BX	J.36
1030040000	SCD 3.81/24/180G 3.2SN OR BX	J.36
1030440000	SCD 3.81/04/180F 3.2SN OR BX	J.37
1030450000	SCD 3.81/06/180F 3.2SN OR BX	J.37
1030460000	SCD 3.81/08/180F 3.2SN OR BX	J.37
1030470000	SCD 3.81/10/180F 3.2SN OR BX	J.37
1030480000	SCD 3.81/12/180F 3.2SN OR BX	J.37
1030490000	SCD 3.81/14/180F 3.2SN OR BX	J.37
1030510000	SCD 3.81/16/180F 3.2SN OR BX	J.37
1030520000	SCD 3.81/18/180F 3.2SN OR BX	J.37
1030530000	SCD 3.81/20/180F 3.2SN OR BX	J.37
1030540000	SCD 3.81/22/180F 3.2SN OR BX	J.37
1030550000	SCD 3.81/24/180F 3.2SN OR BX	J.37
1030950000	SCD-THR 3.81/04/180G 3.2SN BK BX	J.18
1030960000	SCD-THR 3.81/06/180G 3.2SN BK BX	J.18
1030970000	SCD-THR 3.81/08/180G 3.2SN BK BX	J.18
1030980000	SCD-THR 3.81/10/180G 3.2SN BK BX	J.18
1030990000	SCD-THR 3.81/12/180G 3.2SN BK BX	J.18
1031010000	SCD-THR 3.81/14/180G 3.2SN BK BX	J.18
1031020000	SCD-THR 3.81/16/180G 3.2SN BK BX	J.18
1031030000	SCD-THR 3.81/18/180G 3.2SN BK BX	J.18
1031040000	SCD-THR 3.81/20/180G 3.2SN BK BX	J.18
1031050000	SCD-THR 3.81/22/180G 3.2SN BK BX	J.18
1031060000	SCD-THR 3.81/24/180G 3.2SN BK BX	J.18
1031460000	SCD-THR 3.81/04/180F 3.2SN BK BX	J.19
1031470000	SCD-THR 3.81/06/180F 3.2SN BK BX	J.19
1031490000	SCD-THR 3.81/08/180F 3.2SN BK BX	J.19
1031510000	SCD-THR 3.81/10/180F 3.2SN BK BX	J.19
1031520000	SCD-THR 3.81/12/180F 3.2SN BK BX	J.19
1031530000	SCD-THR 3.81/14/180F 3.2SN BK BX	J.19
1031540000	SCD-THR 3.81/16/180F 3.2SN BK BX	J.19
1031560000	SCD-THR 3.81/18/180F 3.2SN BK BX	J.19
1031570000	SCD-THR 3.81/20/180F 3.2SN BK BX	J.19
1031590000	SCD-THR 3.81/22/180F 3.2SN BK BX	J.19
1031610000	SCD-THR 3.81/24/180F 3.2SN BK BX	J.19
1032090000	SCDV 3.81/04/90G 3.2SN OR BX	J.40
1032110000	SCDV 3.81/06/90G 3.2SN OR BX	J.40
1032120000	SCDV 3.81/08/90G 3.2SN OR BX	J.40
1032130000	SCDV 3.81/10/90G 3.2SN OR BX	J.40
1032140000	SCDV 3.81/12/90G 3.2SN OR BX	J.40
1032150000	SCDV 3.81/14/90G 3.2SN OR BX	J.40
1032160000	SCDV 3.81/16/90G 3.2SN OR BX	J.40
1032170000	SCDV 3.81/18/90G 3.2SN OR BX	J.40
1032190000	SCDV 3.81/20/90G 3.2SN OR BX	J.40
1032200000	SCDV 3.81/22/90G 3.2SN OR BX	J.40
1032210000	SCDV 3.81/24/90G 3.2SN OR BX	J.40
1032580000	SCDV 3.81/04/90F 3.2SN OR BX	J.41
1032590000	SCDV 3.81/06/90F 3.2SN OR BX	J.41
1032600000	SCDV 3.81/08/90F 3.2SN OR BX	J.41
1032610000	SCDV 3.81/10/90F 3.2SN OR BX	J.41
1032620000	SCDV 3.81/12/90F 3.2SN OR BX	J.41
1032630000	SCDV 3.81/14/90F 3.2SN OR BX	J.41
1032640000	SCDV 3.81/16/90F 3.2SN OR BX	J.41
1032650000	SCDV 3.81/18/90F 3.2SN OR BX	J.41
1032660000	SCDV 3.81/20/90F 3.2SN OR BX	J.41
1032670000	SCDV 3.81/22/90F 3.2SN OR BX	J.41
1032680000	SCDV 3.81/24/90F 3.2SN OR BX	J.41
1033490000	SCDV-THR 3.81/04/90G 3.2SN BK BX	J.22
1033510000	SCDV-THR 3.81/06/90G 3.2SN BK BX	J.22
1033520000	SCDV-THR 3.81/08/90G 3.2SN BK BX	J.22
1033530000	SCDV-THR 3.81/10/90G 3.2SN BK BX	J.22
1033540000	SCDV-THR 3.81/12/90G 3.2SN BK BX	J.22
1033550000	SCDV-THR 3.81/14/90G 3.2SN BK BX	J.22
1033560000	SCDV-THR 3.81/16/90G 3.2SN BK BX	J.22
1033570000	SCDV-THR 3.81/18/90G 3.2SN BK BX	J.22
1033580000	SCDV-THR 3.81/20/90G 3.2SN BK BX	J.22
1033590000	SCDV-THR 3.81/22/90G 3.2SN BK BX	J.22
1033600000	SCDV-THR 3.81/24/90G 3.2SN BK BX	J.22
1033970000	SCDV-THR 3.81/04/90F 3.2SN BK BX	J.23
1033980000	SCDV-THR 3.81/06/90F 3.2SN BK BX	J.23
1033990000	SCDV-THR 3.81/08/90F 3.2SN BK BX	J.23
1034010000	SCDV-THR 3.81/10/90F 3.2SN BK BX	J.23
1034020000	SCDV-THR 3.81/12/90F 3.2SN BK BX	J.23
1034030000	SCDV-THR 3.81/14/90F 3.2SN BK BX	J.23
1034040000	SCDV-THR 3.81/16/90F 3.2SN BK BX	J.23
1034050000	SCDV-THR 3.81/18/90F 3.2SN BK BX	J.23
1034060000	SCDV-THR 3.81/20/90F 3.2SN BK BX	J.23
1034070000	SCDV-THR 3.81/22/90F 3.2SN BK BX	J.23
1034080000	SCDV-THR 3.81/24/90F 3.2SN BK BX	J.23
1034470000	SCDV 3.81/04/180G 3.2SN OR BX	J.42
1034490000	SCDV 3.81/06/180G 3.2SN OR BX	J.42
1034510000	SCDV 3.81/08/180G 3.2SN OR BX	J.42
1034520000	SCDV 3.81/10/180G 3.2SN OR BX	J.42
1034530000	SCDV 3.81/12/180G 3.2SN OR BX	J.42
1034540000	SCDV 3.81/14/180G 3.2SN OR BX	J.42
1034550000	SCDV 3.81/16/180G 3.2SN OR BX	J.42
1034560000	SCDV 3.81/18/180G 3.2SN OR BX	J.42
1034570000	SCDV 3.81/20/180G 3.2SN OR BX	J.42
1034580000	SCDV 3.81/22/180G 3.2SN OR BX	J.42
1034590000	SCDV 3.81/24/180G 3.2SN OR BX	J.42
1034980000	SCDV 3.81/04/180F 3.2SN OR BX	J.43
1034990000	SCDV 3.81/06/180F 3.2SN OR BX	J.43
1035010000	SCDV 3.81/08/180F 3.2SN OR BX	J.43
1035020000	SCDV 3.81/10/180F 3.2SN OR BX	J.43
1035030000	SCDV 3.81/12/180F 3.2SN OR BX	J.43
1035040000	SCDV 3.81/14/180F 3.2SN OR BX	J.43
1035050000	SCDV 3.81/16/180F 3.2SN OR BX	J.43
1035060000	SCDV 3.81/18/180F 3.2SN OR BX	J.43
1035070000	SCDV 3.81/20/180F 3.2SN OR BX	J.43
1035080000	SCDV 3.81/22/180F 3.2SN OR BX	J.43
1035090000	SCDV 3.81/24/180F 3.2SN OR BX	J.43
1035470000	SCDV-THR 3.81/04/180G 3.2SN BK BX	J.24
1035480000	SCDV-THR 3.81/06/180G 3.2SN BK BX	J.24
1035490000	SCDV-THR 3.81/08/180G 3.2SN BK BX	J.24
1035510000	SCDV-THR 3.81/10/180G 3.2SN BK BX	J.24
1035520000	SCDV-THR 3.81/12/180G 3.2SN BK BX	J.24
1035530000	SCDV-THR 3.81/14/180G 3.2SN BK BX	J.24
1035540000	SCDV-THR 3.81/16/180G 3.2SN BK BX	J.24
1035550000	SCDV-THR 3.81/18/180G 3.2SN BK BX	J.24
1035560000	SCDV-THR 3.81/20/180G 3.2SN BK BX	J.24
1035570000	SCDV-THR 3.81/22/180G 3.2SN BK BX	J.24
1035580000	SCDV-THR 3.81/24/180G 3.2SN BK BX	J.24
1035950000	SCDV-THR 3.81/04/180F 3.2SN BK BX	J.25
1035960000	SCDV-THR 3.81/06/180F 3.2SN BK BX	J.25

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1035970000	SCDV-THR 3.81/08/180F 3.2SN BK BX	J.25
1035980000	SCDV-THR 3.81/10/180F 3.2SN BK BX	J.25
1035990000	SCDV-THR 3.81/12/180F 3.2SN BK BX	J.25
1036010000	SCDV-THR 3.81/14/180F 3.2SN BK BX	J.25
1036020000	SCDV-THR 3.81/16/180F 3.2SN BK BX	J.25
1036030000	SCDV-THR 3.81/18/180F 3.2SN BK BX	J.25
1036040000	SCDV-THR 3.81/20/180F 3.2SN BK BX	J.25
1036050000	SCDV-THR 3.81/22/180F 3.2SN BK BX	J.25
1036060000	SCDV-THR 3.81/24/180F 3.2SN BK BX	J.25
1036480000	SC-SMT 3.81/02/270G 3.2SN BK BX	J.14
1036490000	SC-SMT 3.81/03/270G 3.2SN BK BX	J.14
1036510000	SC-SMT 3.81/04/270G 3.2SN BK BX	J.14
1036520000	SC-SMT 3.81/05/270G 3.2SN BK BX	J.14
1036530000	SC-SMT 3.81/06/270G 3.2SN BK BX	J.14
1036540000	SC-SMT 3.81/07/270G 3.2SN BK BX	J.14
1036550000	SC-SMT 3.81/08/270G 3.2SN BK BX	J.14
1036560000	SC-SMT 3.81/09/270G 3.2SN BK BX	J.14
1036570000	SC-SMT 3.81/10/270G 3.2SN BK BX	J.14
1036580000	SC-SMT 3.81/11/270G 3.2SN BK BX	J.14
1036590000	SC-SMT 3.81/12/270G 3.2SN BK BX	J.14
1036990000	SC-SMT 3.81/02/270F 3.2SN BK BX	J.15
1037010000	SC-SMT 3.81/03/270F 3.2SN BK BX	J.15
1037020000	SC-SMT 3.81/04/270F 3.2SN BK BX	J.15
1037030000	SC-SMT 3.81/05/270F 3.2SN BK BX	J.15
1037040000	SC-SMT 3.81/06/270F 3.2SN BK BX	J.15
1037050000	SC-SMT 3.81/07/270F 3.2SN BK BX	J.15
1037060000	SC-SMT 3.81/08/270F 3.2SN BK BX	J.15
1037070000	SC-SMT 3.81/09/270F 3.2SN BK BX	J.15
1037080000	SC-SMT 3.81/10/270F 3.2SN BK BX	J.15
1037090000	SC-SMT 3.81/11/270F 3.2SN BK BX	J.15
1037110000	SC-SMT 3.81/12/270F 3.2SN BK BX	J.15
1037490000	SC 3.81/02/270G 3.2SN OR BX	J.32
1037510000	SC 3.81/03/270G 3.2SN OR BX	J.32
1037520000	SC 3.81/04/270G 3.2SN OR BX	J.32
1037530000	SC 3.81/05/270G 3.2SN OR BX	J.32
1037540000	SC 3.81/06/270G 3.2SN OR BX	J.32
1037550000	SC 3.81/07/270G 3.2SN OR BX	J.32
1037560000	SC 3.81/08/270G 3.2SN OR BX	J.32
1037570000	SC 3.81/09/270G 3.2SN OR BX	J.32
1037580000	SC 3.81/10/270G 3.2SN OR BX	J.32
1037590000	SC 3.81/11/270G 3.2SN OR BX	J.32
1037610000	SC 3.81/12/270G 3.2SN OR BX	J.32
1038040000	SC 3.81/02/270F 3.2SN OR BX	J.33
1038050000	SC 3.81/03/270F 3.2SN OR BX	J.33
1038060000	SC 3.81/04/270F 3.2SN OR BX	J.33
1038070000	SC 3.81/05/270F 3.2SN OR BX	J.33
1038080000	SC 3.81/06/270F 3.2SN OR BX	J.33
1038090000	SC 3.81/07/270F 3.2SN OR BX	J.33
1038110000	SC 3.81/08/270F 3.2SN OR BX	J.33
1038130000	SC 3.81/09/270F 3.2SN OR BX	J.33
1038140000	SC 3.81/10/270F 3.2SN OR BX	J.33
1038150000	SC 3.81/11/270F 3.2SN OR BX	J.33
1038160000	SC 3.81/12/270F 3.2SN OR BX	J.33
1038950000	SCDN-THR 3.81/04/90G 3.2SN BK BX	J.20
1038960000	SCDN-THR 3.81/06/90G 3.2SN BK BX	J.20
1038970000	SCDN-THR 3.81/08/90G 3.2SN BK BX	J.20
1038980000	SCDN-THR 3.81/10/90G 3.2SN BK BX	J.20
1038990000	SCDN-THR 3.81/12/90G 3.2SN BK BX	J.20
1039010000	SCDN-THR 3.81/14/90G 3.2SN BK BX	J.20
1039020000	SCDN-THR 3.81/16/90G 3.2SN BK BX	J.20
1039030000	SCDN-THR 3.81/18/90G 3.2SN BK BX	J.20
1039040000	SCDN-THR 3.81/20/90G 3.2SN BK BX	J.20
1039050000	SCDN-THR 3.81/22/90G 3.2SN BK BX	J.20
1039060000	SCDN-THR 3.81/24/90G 3.2SN BK BX	J.20
1039440000	SCDN-THR 3.81/04/90F 3.2SN BK BX	J.21
1039450000	SCDN-THR 3.81/06/90F 3.2SN BK BX	J.21
1039460000	SCDN-THR 3.81/08/90F 3.2SN BK BX	J.21
1039520000	SCDN-THR 3.81/10/90F 3.2SN BK BX	J.21
1039530000	SCDN-THR 3.81/12/90F 3.2SN BK BX	J.21
1039540000	SCDN-THR 3.81/14/90F 3.2SN BK BX	J.21
1039550000	SCDN-THR 3.81/16/90F 3.2SN BK BX	J.21
1039560000	SCDN-THR 3.81/18/90F 3.2SN BK BX	J.21
1039570000	SCDN-THR 3.81/20/90F 3.2SN BK BX	J.21
1039580000	SCDN-THR 3.81/22/90F 3.2SN BK BX	J.21
1039590000	SCDN-THR 3.81/24/90F 3.2SN BK BX	J.21

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1040410000	SCDN 3.81/04/90G 3.2SN OR BX	J.38
1040420000	SCDN 3.81/06/90G 3.2SN OR BX	J.38
1040430000	SCDN 3.81/08/90G 3.2SN OR BX	J.38
1040440000	SCDN 3.81/10/90G 3.2SN OR BX	J.38
1040450000	SCDN 3.81/12/90G 3.2SN OR BX	J.38
1040460000	SCDN 3.81/14/90G 3.2SN OR BX	J.38
1040470000	SCDN 3.81/16/90G 3.2SN OR BX	J.38
1040490000	SCDN 3.81/18/90G 3.2SN OR BX	J.38
1040510000	SCDN 3.81/20/90G 3.2SN OR BX	J.38
1040520000	SCDN 3.81/22/90G 3.2SN OR BX	J.38
1040530000	SCDN 3.81/24/90G 3.2SN OR BX	J.38
1040960000	SCDN 3.81/04/90F 3.2SN OR BX	J.39
1040970000	SCDN 3.81/06/90F 3.2SN OR BX	J.39
1040980000	SCDN 3.81/08/90F 3.2SN OR BX	J.39
1040990000	SCDN 3.81/10/90F 3.2SN OR BX	J.39
1041000000	SCDN 3.81/12/90F 3.2SN OR BX	J.39
1041010000	SCDN 3.81/14/90F 3.2SN OR BX	J.39
1041020000	SCDN 3.81/16/90F 3.2SN OR BX	J.39
1041030000	SCDN 3.81/18/90F 3.2SN OR BX	J.39
1041040000	SCDN 3.81/20/90F 3.2SN OR BX	J.39
1041050000	SCDN 3.81/22/90F 3.2SN OR BX	J.39

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1041060000	SCDN 3.81/24/90F 3.2SN OR BX	J.39
1043830000	BLF 7.62HP/02/180 SN BK BX	0.112
1043840000	BLF 7.62HP/03/180 SN BK BX	0.112
1043850000	BLF 7.62HP/04/180 SN BK BX	0.112
1043860000	BLF 7.62HP/05/180 SN BK BX	0.112
1043910000	BLF 7.62HP/02/180F SN BK BX	0.113
1043920000	BLF 7.62HP/03/180F SN BK BX	0.113
1043930000	BLF 7.62HP/04/180F SN BK BX	0.113
1043940000	BLF 7.62HP/05/180F SN BK BX	0.113
1043990000	BLF 7.62HP/02/180LR SN BK BX	0.113
1044000000	BLF 7.62HP/03/180LR SN BK BX	0.113
1044010000	BLF 7.62HP/04/180LR SN BK BX	0.113
1044020000	BLF 7.62HP/05/180LR SN BK BX	0.113
1047120000	LXXX 15.00/01/90 4.5SN BK BX	N.24
1047130000	LXXX 15.00/02/90 4.5SN BK BX	N.24
1047140000	LXXX 15.00/03/90 4.5SN BK BX	N.24
1047150000	LXXX 15.00/04/90 4.5SN BK BX	N.24
1047280000	LXXX 15.00/01/90F 4.5SN BK BX	N.25
1047290000	LXXX 15.00/02/90F 4.5SN BK BX	N.25
1047300000	LXXX 15.00/03/90F 4.5SN BK BX	N.25
1047310000	LXXX 15.00/04/90F 4.5SN BK BX	N.25
1047440000	LXXX 15.00/01/90FL 4.5SN BK BX	N.25
1047450000	LXXX 15.00/02/90FL 4.5SN BK BX	N.25
1047460000	LXXX 15.00/03/90FL 4.5SN BK BX	N.25
1047470000	LXXX 15.00/04/90FL 4.5SN BK BX	N.25
1047600000	LXXX 15.00/01/90FR 4.5SN BK BX	N.25
1047610000	LXXX 15.00/02/90FR 4.5SN BK BX	N.25
1047620000	LXXX 15.00/03/90FR 4.5SN BK BX	N.25
1047630000	LXXX 15.00/04/90FR 4.5SN BK BX	N.25
1048350000	SV 7.62HP/02/180MF2 3.5SN BK BX	0.136
1048370000	SV 7.62HP/02/270MF2 3.5SN BK BX	0.140
1048390000	SV 7.62HP/02/90MF2 3.5SN BK BX	0.132
1048410000	SV 7.62HP/03/180MF2 3.5SN BK BX	0.136
1048420000	SV 7.62HP/03/180MF3 3.5SN BK BX	0.137
1048450000	SV 7.62HP/03/270MF2 3.5SN BK BX	0.140
1048460000	SV 7.62HP/03/270MF3 3.5SN BK BX	0.141
1048490000	SV 7.62HP/03/90MF2 3.5SN BK BX	0.133
1048500000	SV 7.62HP/03/90MF3 3.5SN BK BX	0.132
1048530000	SV 7.62HP/04/180MF3 3.5SN BK BX	0.137
1048550000	SV 7.62HP/04/270MF3 3.5SN BK BX	0.141
1048570000	SV 7.62HP/04/90MF3 3.5SN BK BX	0.133
1048590000	SV 7.62HP/05/180MF3 3.5SN BK BX	0.137
1048600000	SV 7.62HP/05/180MF4 3.5SN BK BX	0.137
1048640000	SV 7.62HP/05/270MF3 3.5SN BK BX	0.141
1048650000	SV 7.62HP/05/270MF4 3.5SN BK BX	0.141
1048680000	SV 7.62HP/05/90MF3 3.5SN BK BX	0.133
1048690000	SV 7.62HP/05/90MF4 3.5SN BK BX	0.133
1048720000	SV 7.62HP/06/180MF4 3.5SN BK BX	0.137
1048740000	SV 7.62HP/06/270MF4 3.5SN BK BX	0.141
1048760000	SV 7.62HP/06/90MF4 3.5SN BK BX	0.133
1048980000	SL 7.62HP/05/180G 3.2SN BK BX	0.104
1048990000	SL 7.62HP/06/180G 3.2SN BK BX	0.104
1049010000	BLZ 7.62HP/05/180 SN BK BX	0.110
1049020000	BLZ 7.62HP/06/180 SN BK BX	0.110

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1057530000	RF 180 BK 9011	S.48
1057530000	RF 180 BK 9011	S.49
1057540000	AP 100 BK 9011	S.49
1059420000	BLDF 5.08/04/180F SN OR BX	K.115
1059580000	BLZ 7.62HP/02/180 SN BK BX	0.110
1059590000	BLZ 7.62HP/03/180 SN BK BX	0.110
1059600000	BLZ 7.62HP/04/180 SN BK BX	0.110

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1060390000	BVF 7.62HP/02/180 SN BK BX	0.166
1060400000	BVF 7.62HP/03/180 SN BK BX	0.166
1060410000	BVF 7.62HP/04/180 SN BK BX	0.166
1060420000	BVF 7.62HP/05/180 SN BK BX	0.166
1060440000	BVF 7.62HP/02/180F SN BK BX	0.167
1060450000	BVF 7.62HP/03/180F SN BK BX	0.167
1060470000	BVF 7.62HP/04/180F SN BK BX	0.167
1060480000	BVF 7.62HP/05/180F SN BK BX	0.167
1060490000	BVF 7.62HP/06/180F SN BK BX	0.167
1060500000	BVF 7.62HP/02/180SF SN BK BX	0.167
1060510000	BVF 7.62HP/03/180SF SN BK BX	0.167
1060520000	BVF 7.62HP/04/180SF SN BK BX	0.167
1060530000	BVF 7.62HP/05/180SF SN BK BX	0.167
1060540000	BVF 7.62HP/06/180SF SN BK BX	0.167
1060550000	BVF 7.62HP/02/180MF2 SN BK BX	0.168
1060570000	BVF 7.62HP/03/180MF2 SN BK BX	0.168
1060580000	BVF 7.62HP/03/180MF3 SN BK BX	0.169
1060590000	BVF 7.62HP/04/180MF3 SN BK BX	0.169
1060600000	BVF 7.62HP/05/180MF3 SN BK BX	0.169
1060610000	BVF 7.62HP/05/180MF4 SN BK BX	0.169
1060620000	BVF 7.62HP/06/180MF4 SN BK BX	0.169
1060630000	BVF 7.62HP/02/180MSF2 SN BK BX	0.170
1060640000	BVF 7.62HP/03/180MSF2 SN BK BX	0.170
1060650000	BVF 7.62HP/03/180MSF3 SN BK BX	0.171
1060670000	BVF 7.62HP/04/180MSF3 SN BK BX	0.171
1060680000	BVF 7.62HP/05/180MSF3 SN BK BX	0.171
1060690000	BVF 7.62HP/05/180MSF4 SN BK BX	0.171
1060700000	BVF 7.62HP/06/180MSF4 SN BK BX	0.171
1060780000	SL-SMT 3.50/10/90RF 1.5SN BK BX	I.33
1060810000	SL-SMT 3.50/03/90RF 1.5SN BK BX	I.33
1060830000	SVF 7.62HP/02/180G SN BK BX	0.144
1060840000	SVF 7.62HP/03/180G SN BK BX	0.144

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1060900000	SVF 7.62HP/02/180F SN BK BX	0.145
1060910000	SVF 7.62HP/03/180F SN BK BX	0.145
1060950000	SVF 7.62HP/02/180SF SN BK BX	0.145
1060970000	SVF 7.62HP/03/180SF SN BK BX	0.145
1061020000	SVF 7.62HP/02/180MF2 SN BK BX	0.148
1061030000	SVF 7.62HP/03/180MF2 SN BK BX	0.148
1061040000	SVF 7.62HP/03/180MF3 SN BK BX	0.149
1061050000	SVF 7.62HP/04/180MF3 SN BK BX	0.149
1061110000	SVF 7.62HP/02/180MSF2 SN BK BX	0.150
1061120000	SVF 7.62HP/03/180MSF2 SN BK BX	0.150
1061130000	SVF 7.62HP/03/180MSF3 SN BK BX	0.151
1061140000	SVF 7.62HP/04/180MSF3 SN BK BX	0.151
1063140000	SHL-SMT 5.00/03GR 1.5BX	S.35
1063150000	SHL-SMT 5.00/04GR 1.5BX	S.35
1063170000	SHL-SMT 5.00/03GR 1.5RL	S.35
1063180000	SHL-SMT 5.00/04GR 1.5RL	S.35
1063210000	SHL-SMT 5.00/03GL 1.5BX	S.34
1063220000	SHL-SMT 5.00/04GL 1.5BX	S.34
1063240000	SHL-SMT 5.00/03GL 1.5RL	S.34
1063250000	SHL-SMT 5.00/04GL 1.5RL	S.34
1063260000	BHZ 5.00/02/90LH BK/OR	S.36
1063270000	BHZ 5.00/03/90LH BK/OR	S.36
1063280000	BHZ 5.00/04/90LH BK/OR	S.36
1065080000	BLDF 5.08/05/180F SN OR BX	K.115
1065090000	BLDF 5.08/06/180F SN OR BX	K.115
1065110000	BLDF 5.08/07/180F SN OR BX	K.115
1065120000	BLDF 5.08/08/180F SN OR BX	K.115
1065130000	BLDF 5.08/02/180LR SN OR BX	K.115
1065140000	BLDF 5.08/03/180LR SN OR BX	K.115
1065150000	BLDF 5.08/04/180LR SN OR BX	K.115
1065160000	BLDF 5.08/05/180LR SN OR BX	K.115
1065170000	BLDF 5.08/06/180LR SN OR BX	K.115
1065180000	BLDF 5.08/07/180LR SN OR BX	K.115
1065190000	BLDF 5.08/08/180LR SN OR BX	K.115
1069330000	BHZ 5.00/02/90LH BK/BK	S.37
1069340000	BHZ 5.00/03/90LH BK/BK	S.37
1069350000	BHZ 5.00/04/90LH BK/BK	S.37
1069360000	BHZ 5.00/02/90LH BK/BL	S.37
1069370000	BHZ 5.00/03/90LH BK/BL	S.37
1069380000	BHZ 5.00/04/90LH BK/BL	S.37
1069550000	SHL-SMT 5.00/02GR 4.2BX	S.35
1069560000	SHL-SMT 5.00/03GR 4.2BX	S.35
1069570000	SHL-SMT 5.00/04GR 4.2BX	S.35
1069580000	SHL-SMT 5.00/02GR 4.2RL	S.35
1069590000	SHL-SMT 5.00/03GR 4.2RL	S.35
1069610000	SHL-SMT 5.00/04GR 4.2RL	S.35
1069620000	SHL-SMT 5.00/02GL 4.2BX	S.34
1069630000	SHL-SMT 5.00/03GL 4.2BX	S.34
1069640000	SHL-SMT 5.00/04GL 4.2BX	S.34
1069650000	SHL-SMT 5.00/02GL 4.2RL	S.34
1069660000	SHL-SMT 5.00/03GL 4.2RL	S.34
1069670000	SHL-SMT 5.00/04GL 4.2RL	S.34
1069680000	SHL-SMT 5.00/02GR 5.9BX	S.35
1069690000	SHL-SMT 5.00/03GR 5.9BX	S.35
1069710000	SHL-SMT 5.00/04GR 5.9BX	S.35
1069720000	SHL-SMT 5.00/02GR 5.9RL	S.35
1069730000	SHL-SMT 5.00/03GR 5.9RL	S.35
1069740000	SHL-SMT 5.00/04GR 5.9RL	S.35
1069750000	SHL-SMT 5.00/02GL 5.9BX	S.34
1069760000	SHL-SMT 5.00/03GL 5.9BX	S.34
1069770000	SHL-SMT 5.00/04GL 5.9BX	S.34
1069780000	SHL-SMT 5.00/02GL 5.9RL	S.34
1069790000	SHL-SMT 5.00/03GL 5.9RL	S.34
1069810000	SHL-SMT 5.00/04GL 5.9RL	S.34

1070000000

1070620000	CH20M22 S PSCSC BL 2013	S.27
1073410000	CH20M6 C TP 8089	S.20
1073420000	CH20M22 C TP 8089	S.26

1080000000

1080320000	BVF 7.62HP/02/180 BCF/06R SN BK BX	0.34
1080440000	BVF 7.62HP/04/180 BCF/06R SN BK BX	0.34
1080490000	BVF 7.62HP/03/180 BCF/04R SN BK BX	0.34
1080510000	BVF 7.62HP/04/180 BCF/04R SN BK BX	0.34
1080550000	BVF 7.62HP/02/180 BCF/04R SN BK BX	0.34
1080570000	BVF 7.62HP/03/180 BCF/06R SN BK BX	0.34
1080630000	CH20M22 S PSCSC BK 2010	S.27
1080720000	BVF 7.62HP/05/180MSF4 BCF/06R SN BK BX	0.39
1080940000	BVF 7.62HP/05/180MSF4 BCF/04R SN BK BX	0.39
1081030000	BVF 7.62HP/02/180MF2 BCF/06R SN BK BX	0.36
1081150000	BVF 7.62HP/04/180MF4 BCF/04R SN BK BX	0.37
1081610000	BVF 7.62HP/02/180MF2 BCF/04R SN BK BX	0.36
1081630000	BVF 7.62HP/03/180MF3 BCF/04R SN BK BX	0.37
1081660000	BVF 7.62HP/04/180MSF4 BCF/04R SN BK BX	0.39
1081720000	BVF 7.62HP/03/180MF3 BCF/06R SN BK BX	0.37
1081730000	BVF 7.62HP/03/180MSF3 BCF/06R SN BK BX	0.39
1081750000	BVF 7.62HP/04/180MSF4 BCF/06R SN BK BX	0.39
1081760000	BVF 7.62HP/05/180MF4 BCF/06R SN BK BX	0.37
1081930000	BVF 7.62HP/02/180MSF2 BCF/04R SN BK BX	0.38
1082020000	BVF 7.62HP/04/180MF4 BCF/06R SN BK BX	0.37
1082080000	BVF 7.62HP/02/180MSF2 BCF/06R SN BK BX	0.38
1082110000	BVF 7.62HP/03/180MSF3 BCF/04R SN BK BX	0.39
1082140000	BVF 7.62HP/05/180MF4 BCF/04R SN BK BX	0.37
1082490000	ESG 6.6/11 BHZ 5.00/02	S.37
1082520000	ESG 6.6/15 BHZ 5.00/03	S.37
1082540000	ESG 6.6/20 BHZ 5.00/04	S.37

Order No.	Type	Page
1087250000	BLZP 5.08HC/02/90LR SN OR BX	K.99
1087260000	BLZP 5.08HC/03/90LR SN OR BX	K.99
1087270000	BLZP 5.08HC/04/90LR SN OR BX	K.99
1087280000	BLZP 5.08HC/05/90LR SN OR BX	K.99
1087290000	BLZP 5.08HC/06/90LR SN OR BX	K.99
1087300000	BLZP 5.08HC/07/90LR SN OR BX	K.99
1087310000	BLZP 5.08HC/08/90LR SN OR BX	K.99
1087320000	BLZP 5.08HC/09/90LR SN OR BX	K.99
1087330000	BLZP 5.08HC/10/90LR SN OR BX	K.99
1087340000	BLZP 5.08HC/11/90LR SN OR BX	K.99
1087350000	BLZP 5.08HC/12/90LR SN OR BX	K.99
1089260000	SV 7.62HP/02/270MF2 SC/04R SN BK BX	0.30
1089280000	SV 7.62HP/02/270MF2 SC/06R SN BK BX	0.30
1089340000	SV 7.62HP/02/270MSF2 SC/04R SN BK BX	0.32
1089370000	SV 7.62HP/02/90MF2 SC/04R SN BK BX	0.24
1089380000	SV 7.62HP/02/270MSF2 SC/06R SN BK BX	0.32
1089410000	SV 7.62HP/02/90MF2 SC/06R SN BK BX	0.24
1089440000	SV 7.62HP/03/270MF3 SC/04R SN BK BX	0.31
1089490000	SV 7.62HP/03/270MF3 SC/06R SN BK BX	0.31
1089510000	SV 7.62HP/02/90MSF2 SC/04R SN BK BX	0.26
1089570000	SV 7.62HP/02/90MSF2 SC/06R SN BK BX	0.26
1089610000	SV 7.62HP/03/270MSF3 SC/04R SN BK BX	0.33
1089660000	SV 7.62HP/03/90MF3 SC/04R SN BK BX	0.25
1089670000	SV 7.62HP/03/270MSF3 SC/06R SN BK BX	0.33
1089730000	SV 7.62HP/03/90MF3 SC/06R SN BK BX	0.25
1089820000	SV 7.62HP/04/270MF4 SC/04R SN BK BX	0.31
1089840000	SV 7.62HP/02/90G SC/04R SN BK BX	0.22
1089890000	SV 7.62HP/03/90MSF3 SC/04R SN BK BX	0.27
1089910000	SV 7.62HP/04/270MF4 SC/06R SN BK BX	0.31
1089920000	SV 7.62HP/02/90G SC/06R SN BK BX	0.22
1089970000	SV 7.62HP/03/90MSF3 SC/06R SN BK BX	0.27

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1090040000	SV 7.62HP/03/90G SC/04R SN BK BX	0.22
1090060000	SV 7.62HP/04/270MSF4 SC/04R SN BK BX	0.33
1090120000	SV 7.62HP/03/90G SC/06R SN BK BX	0.22
1090130000	SV 7.62HP/04/90MF4 SC/04R SN BK BX	0.25
1090140000	SV 7.62HP/04/270MSF4 SC/06R SN BK BX	0.33
1090210000	SV 7.62HP/04/90MF4 SC/06R SN BK BX	0.25
1090280000	SV 7.62HP/04/90G SC/04R SN BK BX	0.22
1090300000	SV 7.62HP/05/270MF4 SC/04R SN BK BX	0.31
1090360000	SV 7.62HP/04/90G SC/06R SN BK BX	0.22
1090370000	SV 7.62HP/04/90MSF4 SC/04R SN BK BX	0.27
1090380000	SV 7.62HP/05/270MF4 SC/06R SN BK BX	0.31
1090450000	SV 7.62HP/04/90MSF4 SC/06R SN BK BX	0.27
1090520000	SV 7.62HP/05/90G SC/04R SN BK BX	0.22
1090540000	SV 7.62HP/05/270MSF4 SC/04R SN BK BX	0.33
1090590000	SV 7.62HP/05/90G SC/06R SN BK BX	0.22
1090600000	SV 7.62HP/05/90MF4 SC/04R SN BK BX	0.25
1090610000	SV 7.62HP/05/270MSF4 SC/06R SN BK BX	0.33
1090670000	SV 7.62HP/05/90MF4 SC/06R SN BK BX	0.25
1090770000	SV 7.62HP/02/270G SC/04R SN BK BX	0.28
1090830000	SV 7.62HP/05/90MSF4 SC/04R SN BK BX	0.27
1090850000	SV 7.62HP/02/270G SC/06R SN BK BX	0.28
1090900000	SV 7.62HP/05/90MSF4 SC/06R SN BK BX	0.27
1090950000	SV 7.62HP/03/270G SC/04R SN BK BX	0.28
1091010000	SV 7.62HP/03/270G SC/06R SN BK BX	0.28
1091120000	SV 7.62HP/04/270G SC/04R SN BK BX	0.28
1091160000	SV 7.62HP/04/270G SC/06R SN BK BX	0.28
1091240000	SV 7.62HP/05/270G SC/04R SN BK BX	0.28
1091260000	SV 7.62HP/05/270G SC/06R SN BK BX	0.28
1093430000	BLZ 7.62HP/02/180LR SN BK BX	0.111
1093440000	BLZ 7.62HP/03/180LR SN BK BX	0.111
1093450000	BLZ 7.62HP/04/180LR SN BK BX	0.111
1093460000	BLZ 7.62HP/05/180LR SN BK BX	0.111
1095920000	SL 7.62HP/02/90LF 3.2 SN BK BX	0.103
1095930000	SL 7.62HP/03/90LF 3.2 SN BK BX	0.103
1095940000	SL 7.62HP/04/90LF 3.2 SN BK BX	0.103
1095950000	SL 7.62HP/05/90LF 3.2 SN BK BX	0.103
1095960000	SL 7.62HP/06/90LF 3.2 SN BK BX	0.103

1100000000

1104170000	CH20M12 B BK/BK 2010	S.22
1104180000	CH20M12 B BK/OR 2010	S.22
1104190000	CH20M12 F BK 2010	S.22
1104200000	CH20M12 S PPSC BK 2010	S.23
1104210000	CH20M12 S PSCSC BK 2010	S.23
1104220000	CH20M12 S PPSC BL 2013	S.23
1104230000	CH20M12 S PSCSC BL 2013	S.23
1104240000	CH20M12 C BK 1819	S.22
1104250000	CH20M12 C TP 8089	S.22
1104400000	CH20M45 B BK/BK 2010	S.28
1104410000	CH20M45 B BK/OR 2010	S.28
1104420000	CH20M45 F BK 2010	S.28
1104430000	CH20M45 C BK 1819	S.28
1104440000	CH20M45 C TP 8089	S.28
1104450000	CH20M22 B BK/OR 2010	S.26
1105580000	SAMPLE LP CH20M PPX	S.13
1105600000	SAMPLE CH20M22 2/2 ASSEMBLED	S.13
1105600000	SAMPLE CH20M22 2/2 ASSEMBLED	S.26

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1110720000	SL-SMT 5.00HC/08/180G 1.5SN BK RL	K.27
1111630000	SAMPLE CH20M12 2/2 ASSEMBLED	S.13
1111630000	SAMPLE CH20M12 2/2 ASSEMBLED	S.22
1111640000	SAMPLE CH20M45 22/22 ASSEMBLED	S.13

Order No.	Type	Page
1111640000	SAMPLE CH20M45 22/22 ASSEMBLED	S.28
1111720000	CH20M45 S 2PSC/2PSC BK 2010	S.29
1118470000	BVF 7.62HP SH180 4-6 KIT	0.36
1118470000	BVF 7.62HP SH180 4-6 KIT	0.38
1118470000	BVF 7.62HP SH180 4-6 KIT	0.50
1118470000	BVF 7.62HP SH180 4-6 KIT	0.52
1118470000	BVF 7.62HP SH180 4-6 KIT	R.3
1118480000	BVF 7.62HP SH150 4-6 KIT	0.36
1118480000	BVF 7.62HP SH150 4-6 KIT	0.38
1118480000	BVF 7.62HP SH150 4-6 KIT	0.50
1118480000	BVF 7.62HP SH150 4-6 KIT	0.52
1118480000	BVF 7.62HP SH150 4-6 KIT	R.3
1118490000	BVF 7.62HP SH210 4-6 KIT	0.36
1118490000	BVF 7.62HP SH210 4-6 KIT	0.38
1118490000	BVF 7.62HP SH210 4-6 KIT	0.50
1118490000	BVF 7.62HP SH210 4-6 KIT	0.52
1118490000	BVF 7.62HP SH210 4-6 KIT	R.3

1120000000

1122550000	SL 7.62HP/02/180G 3.2SN BK BX	0.104
1122570000	SL 7.62HP/03/180G 3.2SN BK BX	0.104
1122580000	SL 7.62HP/04/180G 3.2SN BK BX	0.104
1124250000	SL 7.62HP/06/90F 3.2 SN BK BX	0.103
1124750000	SVF 7.62HP/02/180FI SN BK BX	0.146
1124760000	SVF 7.62HP/03/180FI SN BK BX	0.146
1124810000	SVF 7.62HP/02/180SFI SN BK BX	0.147
1124820000	SVF 7.62HP/03/180SFI SN BK BX	0.147

1130000000

1137730000	CH20M45 S 3P/3P BK 2010	S.29
1137740000	CH20M45 S 2PSC/3SC BK 2010	S.29
1137750000	CH20M45 S 3SC/2PSC BK 2010	S.29
1137870000	LHZ-SMT L 1.5SN BK BX	S.32
1137880000	LHZ-SMT R 1.5SN BK BX	S.32
1139790000	CH20M22 S PPP BK 2010	S.27

1140000000

1140870000	SL 7.62HP/02/180F 3.2 SN BK BX	0.105
1140880000	SL 7.62HP/03/180F 3.2 SN BK BX	0.105
1140890000	SL 7.62HP/04/180F 3.2 SN BK BX	0.105
1140900000	SL 7.62HP/05/180F 3.2 SN BK BX	0.105
1140910000	SL 7.62HP/06/180F 3.2 SN BK BX	0.105
1141090000	SL 7.62HP/02/180LF 3.2 SN BK BX	0.105
1141100000	SL 7.62HP/03/180LF 3.2 SN BK BX	0.105
1141110000	SL 7.62HP/04/180LF 3.2 SN BK BX	0.105
1141120000	SL 7.62HP/05/180LF 3.2 SN BK BX	0.105
1141130000	SL 7.62HP/06/180LF 3.2 SN BK BX	0.105
1146320000	SL 5.08HC/02/180 3.2SN OR BX	K.72
1146340000	SL 5.08HC/03/180 3.2SN OR BX	K.72
1146380000	SL 5.08HC/04/180 3.2SN OR BX	K.72
1146410000	SL 5.08HC/05/180 3.2SN OR BX	K.72
1146450000	SL 5.08HC/06/180 3.2SN OR BX	K.72
1146470000	SL 5.08HC/07/180 3.2SN OR BX	K.72
1146490000	SL 5.08HC/08/180 3.2SN OR BX	K.72
1146510000	SL 5.08HC/09/180 3.2SN OR BX	K.72
1146530000	SL 5.08HC/10/180 3.2SN OR BX	K.72
1146550000	SL 5.08HC/11/180 3.2SN OR BX	K.72
1146570000	SL 5.08HC/12/180 3.2SN OR BX	K.72
1146720000	SL 5.08HC/02/90 3.2SN OR BX	K.68
1146730000	SL 5.08HC/02/180G 3.2SN OR BX	K.73
1146740000	SL 5.08HC/03/90 3.2SN OR BX	K.68
1146750000	SL 5.08HC/03/180G 3.2SN OR BX	K.73
1146770000	SL 5.08HC/04/90 3.2SN OR BX	K.68
1146780000	SL 5.08HC/04/180G 3.2SN OR BX	K.73
1146790000	SL 5.08HC/05/90 3.2SN OR BX	K.68
1146800000	SL 5.08HC/05/180G 3.2SN OR BX	K.73
1146810000	SL 5.08HC/06/90 3.2SN OR BX	K.68
1146820000	SL 5.08HC/06/180G 3.2SN OR BX	K.73
1146830000	SL 5.08HC/07/90 3.2SN OR BX	K.68
1146840000	SL 5.08HC/07/180G 3.2SN OR BX	K.73
1146850000	SL 5.08HC/08/90 3.2SN OR BX	K.68
1146870000	SL 5.08HC/08/180G 3.2SN OR BX	K.73
1146880000	SL 5.08HC/09/90 3.2SN OR BX	K.68
1146890000	SL 5.08HC/09/180G 3.2SN OR BX	K.73
1146900000	SL 5.08HC/10/90 3.2SN OR BX	K.68
1146910000	SL 5.08HC/10/180G 3.2SN OR BX	K.73
1146920000	SL 5.08HC/11/90 3.2SN OR BX	K.68
1146930000	SL 5.08HC/11/180G 3.2SN OR BX	K.73
1146940000	SL 5.08HC/12/90 3.2SN OR BX	K.68
1146950000	SL 5.08HC/12/180G 3.2SN OR BX	K.73
1147130000	SL 5.08HC/02/180F 3.2SN OR BX	K.74
1147170000	SL 5.08HC/03/180F 3.2SN OR BX	K.74
1147200000	SL 5.08HC/04/180F 3.2SN OR BX	K.74
1147230000	SL 5.08HC/05/180F 3.2SN OR BX	K.74
1147260000	SL 5.08HC/06/180F 3.2SN OR BX	K.74
1147280000	SL 5.08HC/02/90G 3.2SN OR BX	K.69
1147290000	SL 5.08HC/07/180F 3.2SN OR BX	K.74
1147300000	SL 5.08HC/02/180B 3.2SN OR BX	K.73
1147310000	SL 5.08HC/03/90G 3.2SN OR BX	K.69
1147320000	SL 5.08HC/08/180F 3.2SN OR BX	K.74
1147330000	SL 5.08HC/03/180B 3.2SN OR BX	K.73
1147340000	SL 5.08HC/04/90G 3.2SN OR BX	K.69
1147350000	SL 5.08HC/09/180F 3.2SN OR BX	K.74
1147360000	SL 5.08HC/04/180B 3.2SN OR BX	K.73
1147370000	SL 5.08HC/05/90G 3.2SN OR BX	K.69
1147380000	SL 5.08HC/10/180F 3.2SN OR BX	K.74
1147390000	SL 5.08HC/05/180B 3.2SN OR BX	K.73
1147400000	SL 5.08HC/06/90G 3.2SN OR BX	K.69
1147410000	SL 5.08HC/11/180F 3.2SN OR BX	K.74
1147420000	SL 5.08HC/07/90G 3.2SN OR BX	K.69
1147430000	SL 5.08HC/06/180B 3.2SN OR BX	K.73
1147440000	SL 5.08HC/12/180F 3.2SN OR BX	K.74
1147450000	SL 5.08HC/08/90G 3.2SN OR BX	K.69
1147470000	SL 5.08HC/07/180B 3.2SN OR BX	K.73
1147490000	SL 5.08HC/09/90G 3.2SN OR BX	K.69
1147510000	SL 5.08HC/08/180B 3.2SN OR BX	K.73
1147530000	SL 5.08HC/10/90G 3.2SN OR BX	K.69
1147540000	SL 5.08HC/09/180B 3.2SN OR BX	K.73
1147570000	SL 5.08HC/11/90G 3.2SN OR BX	K.69
1147580000	SL 5.08HC/10/180B 3.2SN OR BX	K.73
1147600000	SL 5.08HC/12/90G 3.2SN OR BX	K.69
1147610000	SL 5.08HC/11/180B 3.2SN OR BX	K.73
1147640000	SL 5.08HC/12/180B 3.2SN OR BX	K.73
1147890000	SL 5.08HC/02/180LF 3.2SN OR BX	K.75
1147920000	SL 5.08HC/03/180LF 3.2SN OR BX	K.75
1147950000	SL 5.08HC/04/180LF 3.2SN OR BX	K.75
1147990000	SL 5.08HC/05/180LF 3.2SN OR BX	K.75
1148020000	SL 5.08HC/06/180LF 3.2SN OR BX	K.75
1148030000	SL 5.08HC/02/90B 3.2SN OR BX	K.69
1148050000	SL 5.08HC/07/180LF 3.2SN OR BX	K.75
1148070000	SL 5.08HC/03/90B 3.2SN OR BX	K.69
1148090000	SL 5.08HC/08/180LF 3.2SN OR BX	K.75
1148100000	SL 5.08HC/04/90B 3.2SN OR BX	K.69
1148120000	SL 5.08HC/09/180LF 3.2SN OR BX	K.75
1148130000	SL 5.08HC/05/90B 3.2SN OR BX	K.69
1148150000	SL 5.08HC/10/180LF 3.2SN OR BX	K.75
1148170000	SL 5.08HC/06/90B 3.2SN OR BX	K.69
1148190000	SL 5.08HC/11/180LF 3.2SN OR BX	K.75
1148200000	SL 5.08HC/07/90B 3.2SN OR BX	K.69
1148220000	SL 5.08HC/12/180LF 3.2SN OR BX	K.75
1148610000	SL 5.08HC/02/90F 3.2SN OR BX	K.70
1148640000	SL 5.08HC/03/90F 3.2SN OR BX	K.70
1148680000	SL 5.08HC/04/90F 3.2SN OR BX	K.70
1148710000	SL 5.08HC/05/90F 3.2SN OR BX	K.70
1148740000	SL 5.08HC/06/90F 3.2SN OR BX	K.70
1148780000	SL 5.08HC/07/90F 3.2SN OR BX	K.70
1148810000	SL 5.08HC/08/90F 3.2SN OR BX	K.70
1148840000	SL 5.08HC/09/90F 3.2SN OR BX	K.70
1148880000	SL 5.08HC/10/90F 3.2SN OR BX	K.70
1148910000	SL 5.08HC/11/90F 3.2SN OR BX	K.70
1148940000	SL 5.08HC/12/90F 3.2SN OR BX	K.70
1149380000	SL 5.08HC/02/90LF 3.2SN OR BX	K.71
1149410000	SL 5.08HC/03/90LF 3.2SN OR BX	K.71
1149440000	SL 5.08HC/04/90LF 3.2SN OR BX	K.71
1149480000	SL 5.08HC/05/90LF 3.2SN OR BX	K.71
1149510000	SL 5.08HC/06/90LF 3.2SN OR BX	K.71
1149540000	SL 5.08HC/07/90LF 3.2SN OR BX	K.71
1149580000	SL 5.08HC/08/90LF 3.2SN OR BX	K.71
1149610000	SL 5.08HC/09/90LF 3.2SN OR BX	K.71
1149640000	SL 5.08HC/10/90LF 3.2SN OR BX	K.71
1149680000	SL 5.08HC/11/90LF 3.2SN OR BX	K.71
1149710000	SL 5.08HC/12/90LF 3.2SN OR BX	K.71

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1154830000	SL 5.08HC/08/90B 3.2SN OR BX	K.69
1154840000	SL 5.08HC/09/90B 3.2SN OR BX	K.69
1154850000	SL 5.08HC/10/90B 3.2SN OR BX	K.69
1154870000	SL 5.08HC/11/90B 3.2SN OR BX	K.69
1154880000	SL 5.08HC/12/90B 3.2SN OR BX	K.69
1155840000	SR-SMD 4.50/05/90 AU BK BX	S.38
1155850000	SR-SMD 4.50/05/90 AU BK RL	S.38
1155870000	SR-SMD 4.50/05/90LFM 3.2AU BK BX	S.39
1155880000	SR-SMD 4.50/05/90LFM 3.2AU BK RL	S.39
1155890000	SR-SMD 4.50/05/90LF 1.5AU BK BX	S.39
1155900000	SR-SMD 4.50/05/90LF 1.5AU BK RL	S.39
1155940000	PF RS 122 OR 2000MM	S.50
1156120000	SV 7.62HP/02/270MF2 SC/08R SN BK BX	0.30
1156130000	SV 7.62HP/02/270MSF2 SC/08R SN BK BX	0.32
1156140000	SV 7.62HP/03/270MF2 SC/04R SN BK BX	0.30
1156150000	SV 7.62HP/03/270MF2 SC/06R SN BK BX	0.30
1156170000	SV 7.62HP/03/270MF2 SC/08R SN BK BX	0.30
1156180000	SV 7.62HP/03/270MF3 SC/08R SN BK BX	0.31
1156190000	SV 7.62HP/03/270MSF2 SC/04R SN BK BX	0.32
1156200000	SV 7.62HP/03/270MSF2 SC/06R SN BK BX	0.32
1156210000	SV 7.62HP/03/270MSF2 SC/08R SN BK BX	0.32
1156220000	SV 7.62HP/03/270MSF3 SC/08R SN BK BX	0.33
1156230000	SV 7.62HP/03/90MF2 SC/04R SN BK BX	0.24
1156240000	SV 7.62HP/03/90MF2 SC/06R SN BK BX	0.24
1156250000	SV 7.62HP/03/90MSF2 SC/04R SN BK BX	0.26
1156270000	SV 7.62HP/03/90MSF2 SC/06R SN BK BX	0.26
1156280000	SV 7.62HP/04/270MF4 SC/08R SN BK BX	0.31
1156290000	SV 7.62HP/04/270MSF4 SC/08R SN BK BX	0.33
1156300000	SV 7.62HP/05/270MF3 SC/04R SN BK BX	0.31
1156310000	SV 7.62HP/05/270MF3 SC/06R SN BK BX	0.31
1156320000	SV 7.62HP/05/270MF3 SC/08R SN BK BX	0.31
1156340000	SV 7.62HP/05/270MF4 SC/08R SN BK BX	0.31
1156370000	SV 7.62HP/05/270MSF3 SC/04R SN BK BX	0.33
1156390000	SV 7.62HP/05/270MSF3 SC/06R SN BK BX	0.33
1156410000	SV 7.62HP/05/270MSF3 SC/08R SN BK BX	0.33
1156430000	SV 7.62HP/05/270MSF4 SC/08R SN BK BX	0.33
1156440000	BVF 7.62HP/02/180 BCF/08R SN BK BX	0.34
1156450000	BVF 7.62HP/03/180 BCF/08R SN BK BX	0.34
1156470000	BVF 7.62HP/04/180 BCF/08R SN BK BX	0.34
1156480000	BVF 7.62HP/05/180 BCF/08R SN BK BX	0.34
1156490000	SV 7.62IT/02/270MF2 3.5SN BK BX SO	0.68
1156500000	SV 7.62IT/03/270MF2 3.5SN BK BX	0.68
1156510000	SV 7.62IT/03/270MF3 3.5SN BK BX	0.69
1156520000	SV 7.62IT/04/270MF2 3.5SN BK BX	0.68
1156530000	SV 7.62IT/04/270MF4 3.5SN BK BX	0.69
1156540000	SV 7.62IT/02/90MF2 3.5SN BK BX SO	0.66
1156550000	SV 7.62IT/03/90MF2 3.5SN BK BX	0.66
1156570000	SV 7.62IT/03/90MF3 3.5SN BK BX	0.67
1156580000	SV 7.62IT/04/90MF2 3.5SN BK BX	0.66
1156590000	SV 7.62IT/04/90MF4 3.5SN BK BX	0.67
1156600000	BUZ 10.16IT/02/180MF2 AG BK BX	0.88
1156610000	BUZ 10.16IT/03/180MF2 AG BK BX	0.88
1156620000	BUZ 10.16IT/03/180MF3 AG BK BX	0.89
1156630000	BUZ 10.16IT/04/180MF2 AG BK BX	0.88
1156640000	BUZ 10.16IT/04/180MF4 AG BK BX	0.89
1156650000	SU 10.16IT/02/90MF2 3.5AG BK BX SO	0.72
1156670000	SU 10.16IT/03/90MF2 3.5AG BK BX	0.72
1156680000	SU 10.16IT/03/90MF3 3.5AG BK BX	0.73
1156690000	SU 10.16IT/04/90MF2 3.5AG BK BX	0.72
1156700000	SU 10.16IT/04/90MF4 3.5AG BK BX	0.73
1156710000	BVZ 7.62IT/02/180MF2 SN BK BX	0.70
1156720000	BVZ 7.62IT/03/180MF2 SN BK BX	0.70
1156730000	BVZ 7.62IT/03/180MF3 SN BK BX	0.71
1156740000	BVZ 7.62IT/04/180MF2 SN BK BX	0.70
1156750000	BVZ 7.62IT/04/180MF4 SN BK BX	0.71
1156820000	SV 7.62HP/02/90MF2 SC/08R SN BK BX	0.24
1156830000	SV 7.62HP/02/90MSF2 SC/08R SN BK BX	0.26
1156840000	SV 7.62HP/03/90MF2 SC/08R SN BK BX	0.24
1156850000	SV 7.62HP/03/90MF3 SC/08R SN BK BX	0.25
1156870000	SV 7.62HP/03/90MSF2 SC/08R SN BK BX	0.26
1156880000	SV 7.62HP/03/90MSF3 SC/08R SN BK BX	0.27
1156890000	SV 7.62HP/04/90MF4 SC/08R SN BK BX	0.25
1156900000	SV 7.62HP/04/90MSF4 SC/08R SN BK BX	0.27
1156910000	SV 7.62HP/05/90MF3 SC/04R SN BK BX	0.25
1156920000	SV 7.62HP/02/270G SC/08R SN BK BX	0.28
1156930000	SV 7.62HP/05/90MF3 SC/06R SN BK BX	0.25
1156940000	SV 7.62HP/03/270G SC/08R SN BK BX	0.28
1156950000	SV 7.62HP/05/90MF3 SC/08R SN BK BX	0.25
1156970000	SV 7.62HP/04/270G SC/08R SN BK BX	0.28
1156980000	SV 7.62HP/05/90MF4 SC/08R SN BK BX	0.25
1156990000	SV 7.62HP/05/270G SC/08R SN BK BX	0.28
1157000000	SV 7.62HP/05/90MSF3 SC/04R SN BK BX	0.27
1157010000	SV 7.62HP/05/90MSF3 SC/06R SN BK BX	0.27
1157020000	SV 7.62HP/05/90MSF3 SC/08R SN BK BX	0.27
1157030000	SV 7.62HP/05/90MSF4 SC/08R SN BK BX	0.27
1157040000	SV 7.62HP/02/90G SC/08R SN BK BX	0.22
1157050000	SV 7.62HP/03/90G SC/08R SN BK BX	0.22
1157080000	SV 7.62HP/05/90G SC/08R SN BK BX	0.22
1157090000	BVF 7.62HP/02/180MF2 BCF/08R SN BK BX	0.36
1157100000	BVF 7.62HP/02/180MSF2 BCF/08R SN BK BX	0.38
1157110000	BVF 7.62HP/03/180MF2 BCF/04R SN BK BX	0.36
1157120000	BVF 7.62HP/03/180MF2 BCF/06R SN BK BX	0.36
1157130000	BVF 7.62HP/03/180MF2 BCF/08R SN BK BX	0.36
1157170000	BVF 7.62HP/03/180MF3 BCF/08R SN BK BX	0.37
1157190000	BVF 7.62HP/03/180MSF3 BCF/08R SN BK BX	0.39
1157200000	BVF 7.62HP/04/180MF4 BCF/08R SN BK BX	0.37
1157210000	BVF 7.62HP/04/180MSF4 BCF/08R SN BK BX	0.39
1157220000	BVF 7.62HP/05/180MF3 BCF/04R SN BK BX	0.37
1157230000	BVF 7.62HP/05/180MF3 BCF/06R SN BK BX	0.37
1157240000	BVF 7.62HP/05/180MF3 BCF/08R SN BK BX	0.37
1157250000	BVF 7.62HP/05/180MF4 BCF/08R SN BK BX	0.37
1157270000	BVF 7.62HP/05/180MSF3 BCF/04R SN BK BX	0.39
1157280000	BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX	0.39
1157290000	BVF 7.62HP/05/180MSF3 BCF/08R SN BK BX	0.39
1157300000	BVF 7.62HP/05/180MSF4 BCF/08R SN BK BX	0.39
1157310000	SU 10.16IT/02/270MF2 3.5AG BK BX SO	0.74
1157320000	SU 10.16IT/03/270MF2 3.5AG BK BX	0.74
1157330000	SU 10.16IT/03/270MF3 3.5AG BK BX	0.75
1157340000	SU 10.16IT/04/270MF2 3.5AG BK BX	0.74
1157350000	SU 10.16IT/04/270MF4 3.5AG BK BX	0.75
1157380000	SV 7.62HP/04/90G SC/08R SN BK BX	0.22
1157440000	BVF 7.62HP/03/180MSF2 BCF/04R SN BK BX	0.38
1157450000	BVF 7.62HP/03/180MSF2 BCF/06R SN BK BX	0.38
1157470000	BVF 7.62HP/03/180MSF2 BCF/08R SN BK BX	0.38
1158390000	SAMPLE CH20M22 2/2 PCB	S.13
1158390000	SAMPLE CH20M22 2/2 PCB	S.26

1160000000

1164800000	CH20M45 FC BK 2010	S.28
1164960000	BLZ 7.62HP/06/180LR SN BK BX	0.111
1166180000	CH20M45 S P2SC/P2SC BK 2010	S.29
1167190000	SAMPLE CH20M12 2/2 PCB	S.13
1167190000	SAMPLE CH20M12 2/2 PCB	S.22
1167200000	SAMPLE CH20M17 3/3 ASSEMBLED	S.13
1167200000	SAMPLE CH20M17 3/3 ASSEMBLED	S.24
1168970000	MTA 30 BK	S.51

1170000000

1171090000	SAMPLE LP CH20M6	S.13
1173490000	BLZ 7.62IT/02/180MF2 SN BK BX	0.62
1173500000	BLZ 7.62IT/03/180MF2 SN BK BX	0.62
1173510000	BLZ 7.62IT/03/180MF3 SN BK BX	0.63
1173520000	BLZ 7.62IT/04/180MF2 SN BK BX	0.62
1173530000	BLZ 7.62IT/04/180MF4 SN BK BX	0.63
1173610000	SL 7.62IT/02/90MF2 3.2SN BK BX SO	0.60
1173640000	SL 7.62IT/03/90MF2 3.2SN BK BX	0.60
1173690000	SL 7.62IT/03/90MF3 3.2SN BK BX	0.61
1173730000	SL 7.62IT/04/90MF2 3.2SN BK BX	0.60
1173770000	SL 7.62IT/04/90MF4 3.2SN BK BX	0.61
1174280000	CH20M12 S PPP BK 2010	S.23
1174720000	LX 15.00/03/90 4.5SN BK BX	N.22
1176980000	CH20M12 B BUS BK/OR 2010	S.22
1176990000	CH20M12 B FE BK/OR 2010	S.22
1177000000	CH20M22 B BUS BK/OR 2010	S.26
1177010000	CH20M22 B FE BK/OR 2010	S.26
1177020000	CH20M45 B BUS BK/OR 2010	S.28
1177030000	CH20M45 B FE BK/OR 2010	S.28

1180000000

1185160000	AP 100 D OR 2000	S.49
1185260000	AP 110 OR	S.49
1189370000	CH20M FE 12-67 1.5SN RL	S.39
1189870000	AP 100 D BK 9011	S.49
1189890000	AP 110 BK	S.49

1190000000

1193160000	CH20M BUS-AP LI TS 35X7.5 & 15	S.40
1193170000	CH20M BUS-AP RE TS 35X7.5 & 15	S.40

1200000000

1203290000	SAMPLE CH20M6 4/4 PCB	S.13
1203290000	SAMPLE CH20M6 4/4 PCB	S.20
1203310000	SAMPLE CH20M6 4/4 ASSEMBLED	S.13
1203310000	SAMPLE CH20M6 4/4 ASSEMBLED	S.20
1203350000	SAMPLE CH20M45 22/22 PCB	S.13
1203350000	SAMPLE CH20M45 22/22 PCB	S.28
1206870000	CH20M22 B RD/BK 2014	S.26
1206880000	CH20M22 FC RD 2014	S.26
1206890000	CH20M22 S PPSC RD 2014	S.27
1206910000	CH20M45 B RD/BK 2014	S.28
1206920000	CH20M45 FC RD 2014	S.28
1206930000	CH20M45 S 2PSC/2PSC RD 2014	S.29
1209350000	CH20M22 FC BK 2010	S.26
1209380000	CH20M22 F RD 2014	S.26
1209390000	CH20M45 F RD 2014	S.28

1220000000

1221520000	ESG 6.6/20 BHZ 5.00 SDR	S.37
1226220000	LU 10.16/04/90 4.5SN BK BX	N.18
1226230000	LU 10.16/05/90 4.5SN BK BX	N.18
1226240000	LU 10.16/06/90 4.5SN BK BX	N.18
1226250000	LU 10.16/07/90 4.5SN BK BX	N.18
1226260000	LU 10.16/08/90 4.5SN BK BX	N.18
1226270000	LU 10.16/09/90 4.5SN BK BX	N.18
1226280000	LU 10.16/10/90 4.5SN BK BX	N.18
1226460000	LX 15.00/01/90 4.5SN BK BX	N.22
1226470000	LX 15.00/02/90 4.5SN BK BX	N.22
1226480000	LX 15.00/04/90 4.5SN BK BX	N.22
1226490000	LX 15.00/05/90 4.5SN BK BX	N.22
1226500000	LX 15.00/06/90 4.5SN BK BX	N.22
1227340000	BLF 7.62HP/06/180 SN BK BX	0.112
1227420000	BLF 7.62HP/06/180LR SN BK BX	0.113
1227490000	BLF 7.62HP/06/180F SN BK BX	0.113

1230000000

1234230000	LM 5.00/04/180 3.5SN OR BX	G.23
1234240000	LM 5.00/05/180 3.5SN OR BX	G.23
1234250000	LM 5.00/06/180 3.5SN OR BX	G.23
1234270000	LM 5.00/07/180 3.5SN OR BX	G.23
1234280000	LM 5.00/08/180 3.5SN OR BX	G.23
1234290000	LM 5.00/09/180 3.5SN OR BX	G.23
1234310000	LM 5.00/10/180 3.5SN OR BX	G.23
1234320000	LM 5.00/11/180 3.5SN OR BX	G.23
1234330000	LM 5.00/12/180 3.5SN OR BX	G.23
1234550000	PM 5.08/04/90 3.5SN OR BX	G.39
1234570000	PM 5.08/05/90 3.5SN OR BX	G.39
1234580000	PM 5.08/06/90 3.5SN OR BX	G.39
1234590000	PM 5.08/07/90 3.5SN OR BX	G.39
1234600000	PM 5.08/08/90 3.5SN OR BX	G.39
1234610000	PM 5.08/09/90 3.5SN OR BX	G.39
1234620000	PM 5.08/10/90 3.5SN OR BX	G.39
1234630000	PM 5.08/11/90 3.5SN OR BX	G.39
1234640000	PM 5.08/12/90 3.5SN OR BX	G.39
1234650000	PM 5.00/04/90 3.5SN OR BX	G.38
1234670000	PM 5.00/05/90 3.5SN OR BX	G.38
1234680000	PM 5.00/06/90 3.5SN OR BX	G.38
1234690000	PM 5.00/07/90 3.5SN OR BX	G.38
1234700000	PM 5.00/08/90 3.5SN OR BX	G.38
1234710000	PM 5.00/09/90 3.5SN OR BX	G.38
1234720000	PM 5.00/10/90 3.5SN OR BX	G.38
1234730000	PM 5.00/11/90 3.5SN OR BX	G.38
1234740000	PM 5.00/12/90 3.5SN OR BX	G.38
1235250000	CH20M67 B BK/OR 2010	S.30
1235270000	CH20M67 B BK/BK 2010	S.30
1235310000	CH20M67 FC BK 2010	S.30
1235320000	CH20M67 S 2PSC/2PSC/2PSC BK 2010	S.31
1235790000	BCF 3.81/05/180ZE SN OR BX	J.56
1235800000	BCF 3.81/06/180ZE SN OR BX	J.56
1235810000	BCF 3.81/07/180ZE SN OR BX	J.56
1235820000	BCF 3.81/08/180ZE SN OR BX	J.56
1235830000	BCF 3.81/09/180ZE SN OR BX	J.56

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1235840000	BCF 3.81/10/180ZE SN OR BX	J.56
1235870000	BCF 3.81/11/180ZE SN OR BX	J.56
1235880000	BCF 3.81/12/180ZE SN OR BX	J.56
1235970000	BCF 3.81/05/180FZE SN OR BX	J.57
1235980000	BCF 3.81/06/180FZE SN OR BX	J.57
1235990000	BCF 3.81/07/180FZE SN OR BX	J.57
1236000000	BCF 3.81/08/180FZE SN OR BX	J.57
1236010000	BCF 3.81/09/180FZE SN OR BX	J.57
1236020000	BCF 3.81/10/180FZE SN OR BX	J.57
1236030000	BCF 3.81/11/180FZE SN OR BX	J.57
1236040000	BCF 3.81/12/180FZE SN OR BX	J.57
1236270000	BCZ 3.81/05/180ZE SN OR BX	J.50
1236280000	BCZ 3.81/06/180ZE SN OR BX	J.50
1236290000	BCZ 3.81/07/180ZE SN OR BX	J.50
1236300000	BCZ 3.81/08/180ZE SN OR BX	J.50
1236320000	BCZ 3.81/09/180ZE SN OR BX	J.50
1236330000	BCZ 3.81/10/180ZE SN OR BX	J.50
1236340000	BCZ 3.81/11/180ZE SN OR BX	J.50
1236370000	BCZ 3.81/12/180ZE SN OR BX	J.50
1236530000	BCZ 3.81/05/180FZE SN OR BX	J.51
1236540000	BCZ 3.81/06/180FZE SN OR BX	J.51
1236570000	BCZ 3.81/07/180FZE SN OR BX	J.51
1236590000	BCZ 3.81/08/180FZE SN OR BX	J.51
1236600000	BCZ 3.81/09/180FZE SN OR BX	J.51
1236610000	BCZ 3.81/10/180FZE SN OR BX	J.51
1236620000	BCZ 3.81/11/180FZE SN OR BX	J.51
1236630000	BCZ 3.81/12/180FZE SN OR BX	J.51
1237000000	SCZ 3.81/04/180GZE SN OR BX	J.46
1237010000	SCZ 3.81/05/180GZE SN OR BX	J.46
1237020000	SCZ 3.81/06/180GZE SN OR BX	J.46
1237030000	SCZ 3.81/07/180GZE SN OR BX	J.46
1237040000	SCZ 3.81/08/180GZE SN OR BX	J.46
1237070000	SCZ 3.81/09/180GZE SN OR BX	J.46
1237080000	SCZ 3.81/10/180GZE SN OR BX	J.46
1237090000	SCZ 3.81/11/180GZE SN OR BX	J.46
1237100000	SCZ 3.81/12/180GZE SN OR BX	J.46
1237120000	SCZ 3.81/04/180FZE SN OR BX	J.47
1237130000	SCZ 3.81/05/180FZE SN OR BX	J.47
1237140000	SCZ 3.81/06/180FZE SN OR BX	J.47
1237170000	SCZ 3.81/07/180FZE SN OR BX	J.47
1237180000	SCZ 3.81/08/180FZE SN OR BX	J.47
1237190000	SCZ 3.81/09/180FZE SN OR BX	J.47
1237200000	SCZ 3.81/10/180FZE SN OR BX	J.47
1237210000	SCZ 3.81/11/180FZE SN OR BX	J.47
1237220000	SCZ 3.81/12/180FZE SN OR BX	J.47
1237550000	SCZ 3.81/04/180FIZE SN OR BX	J.47
1237560000	SCZ 3.81/05/180FIZE SN OR BX	J.47
1237570000	SCZ 3.81/06/180FIZE SN OR BX	J.47
1237580000	SCZ 3.81/07/180FIZE SN OR BX	J.47
1237590000	SCZ 3.81/08/180FIZE SN OR BX	J.47
1237610000	SCZ 3.81/09/180FIZE SN OR BX	J.47
1237620000	SCZ 3.81/10/180FIZE SN OR BX	J.47
1237630000	SCZ 3.81/11/180FIZE SN OR BX	J.47
1237640000	SCZ 3.81/12/180FIZE SN OR BX	J.47

1240000000

1243030000	CH20M22 B BUS BK/BK 2010	S.26
1247240000	CH20M67 B BUS BK/OR 2010	S.30
1247250000	CH20M67 B FE BK/OR 2010	S.30
1248150000	CH20M BUS-PROFIL TS 35X7.5/250	S.40
1248160000	CH20M BUS-PROFIL TS 35X7.5/500	S.40
1248170000	CH20M BUS-PROFIL TS 35X7.5/750	S.40
1248180000	CH20M BUS-PROFIL TS 35X15/250	S.40
1248190000	CH20M BUS-PROFIL TS 35X15/500	S.40
1248210000	CH20M BUS-PROFIL TS 35X15/750	S.40
1248220000	CH20M BUS 4.50/05 AU/250	S.40
1248230000	CH20M BUS 4.50/05 AU/500	S.40
1248240000	CH20M BUS 4.50/05 AU/750	S.40
1248250000	CH20M BUS-ADP TS 35/250	S.40
1248260000	CH20M BUS-ADP TS 35/500	S.40
1248270000	CH20M BUS-ADP TS 35/750	S.40

1250000000

1250360000	LSF-SMD 3.50/02/180 SN BK RL	G.77
1250370000	LSF-SMD 3.50/03/180 SN BK RL	G.77
1250380000	LSF-SMD 3.50/04/180 SN BK RL	G.77
1250390000	LSF-SMD 3.50/05/180 SN BK RL	G.77
1250410000	LSF-SMD 3.50/06/180 SN BK RL	G.77
1250420000	LSF-SMD 3.50/07/180 SN BK RL	G.77
1250430000	LSF-SMD 3.50/08/180 SN BK RL	G.77
1250440000	LSF-SMD 3.50/09/180 SN BK RL	G.77
1250450000	LSF-SMD 3.50/10/180 SN BK RL	G.77
1250460000	LSF-SMD 3.50/11/180 SN BK RL	G.77
1250470000	LSF-SMD 3.50/12/180 SN BK RL	G.77
1250580000	DP WGK 16 BK BX	Q.18
1250590000	DP WGK 25 BK BX	Q.20
1250610000	DP WGK 50 BK BX	Q.22
1250620000	DP WGK 95 BK BX	Q.24
1250630000	DP VWGK 6 BK BX	Q.14
1250630000	DP VWGK 6 BK BX	Q.16
1251030000	DP VWGK 4 BK BX	Q.12
1254120000	CH20M17 B BK/BK 2010	S.24
1254130000	CH20M17 B BK/OR 2010	S.24
1254140000	CH20M17 F BK 2010	S.24
1254150000	CH20M17 C BK 1819	S.24
1254160000	CH20M17 C TP 8089	S.24
1254170000	CH20M17 S PPP BK 2010	S.25
1254180000	CH20M17 B BUS BK/OR 2010	S.24
1254190000	CH20M17 B FE BK/OR 2010	S.24
1255820000	SAMPLE CH20M17 3/3 PCB	S.13
1255820000	SAMPLE CH20M17 3/3 PCB	S.24

1260000000

1264240000	CH20M FE 12-67 3.2SN RL	S.39

1270000000

1270820000	SAMPLE CH20M67 222/222 ASSEMBLED	S.13
1270820000	SAMPLE CH20M67 222/222 ASSEMBLED	S.30
1275810000	SAMPLE CH20M67 222/222 PCB	S.13
1275810000	SAMPLE CH20M67 222/222 PCB	S.30
1276590000	CH20M22 S RPP BK 2010	S.27
1277270000	B2CF 3.50/04/180 SN OR BX	I.12
1277280000	B2CF 3.50/06/180 SN OR BX	I.12
1277290000	B2CF 3.50/08/180 SN OR BX	I.12
1277310000	B2CF 3.50/10/180 SN OR BX	I.12
1277320000	B2CF 3.50/12/180 SN OR BX	I.12
1277330000	B2CF 3.50/14/180 SN OR BX	I.12
1277340000	B2CF 3.50/16/180 SN OR BX	I.12
1277350000	B2CF 3.50/18/180 SN OR BX	I.12
1277360000	B2CF 3.50/20/180 SN OR BX	I.12
1277370000	B2CF 3.50/22/180 SN OR BX	I.12
1277380000	B2CF 3.50/24/180 SN OR BX	I.12
1277650000	B2CF 3.50/04/180F SN OR BX	I.13
1277670000	B2CF 3.50/06/180F SN OR BX	I.13
1277680000	B2CF 3.50/08/180F SN OR BX	I.13
1277690000	B2CF 3.50/10/180F SN OR BX	I.13
1277720000	B2CF 3.50/12/180F SN OR BX	I.13
1277730000	B2CF 3.50/14/180F SN OR BX	I.13
1277740000	B2CF 3.50/16/180F SN OR BX	I.13
1277750000	B2CF 3.50/18/180F SN OR BX	I.13
1277760000	B2CF 3.50/20/180F SN OR BX	I.13
1277770000	B2CF 3.50/22/180F SN OR BX	I.13
1277780000	B2CF 3.50/24/180F SN OR BX	I.13
1278040000	B2CF 3.50/04/180LR SN OR BX	I.13
1278050000	B2CF 3.50/06/180LR SN OR BX	I.13
1278060000	B2CF 3.50/08/180LR SN OR BX	I.13
1278070000	B2CF 3.50/10/180LR SN OR BX	I.13
1278080000	B2CF 3.50/12/180LR SN OR BX	I.13
1278090000	B2CF 3.50/14/180LR SN OR BX	I.13
1278100000	B2CF 3.50/16/180LR SN OR BX	I.13
1278110000	B2CF 3.50/18/180LR SN OR BX	I.13
1278120000	B2CF 3.50/20/180LR SN OR BX	I.13
1278130000	B2CF 3.50/22/180LR SN OR BX	I.13
1278140000	B2CF 3.50/24/180LR SN OR BX	I.13

1280000000

1288470000	PGK 4 BK	Q.10
1288590000	PGK 4 BT BK	Q.11
1288600000	EPL PGK4 BK	Q.11
1288610000	VREL PGK4 OR VPE 30	Q.10
1288980000	S2C-SMT 3.50/04/90G 3.2SN BK BX	I.6
1289270000	S2C-SMT 3.50/06/90G 3.2SN BK BX	I.6
1289280000	S2C-SMT 3.50/08/90G 3.2SN BK BX	I.6
1289290000	S2C-SMT 3.50/10/90G 3.2SN BK BX	I.6
1289300000	S2C-SMT 3.50/12/90G 3.2SN BK BX	I.6
1289310000	S2C-SMT 3.50/14/90G 3.2SN BK BX	I.6
1289320000	S2C-SMT 3.50/16/90G 3.2SN BK BX	I.6
1289330000	S2C-SMT 3.50/18/90G 3.2SN BK BX	I.6
1289340000	S2C-SMT 3.50/20/90G 3.2SN BK BX	I.6
1289350000	S2C-SMT 3.50/22/90G 3.2SN BK BX	I.6
1289370000	S2C-SMT 3.50/24/90G 3.2SN BK BX	I.6
1289450000	S2C-SMT 3.50/04/90LF 3.2SN BK BX	I.7
1289460000	S2C-SMT 3.50/06/90LF 3.2SN BK BX	I.7
1289470000	S2C-SMT 3.50/08/90LF 3.2SN BK BX	I.7
1289480000	S2C-SMT 3.50/10/90LF 3.2SN BK BX	I.7
1289490000	S2C-SMT 3.50/12/90LF 3.2SN BK BX	I.7
1289500000	S2C-SMT 3.50/14/90LF 3.2SN BK BX	I.7
1289510000	S2C-SMT 3.50/16/90LF 3.2SN BK BX	I.7
1289520000	S2C-SMT 3.50/18/90LF 3.2SN BK BX	I.7
1289530000	S2C-SMT 3.50/20/90LF 3.2SN BK BX	I.7
1289540000	S2C-SMT 3.50/22/90LF 3.2SN BK BX	I.7
1289550000	S2C-SMT 3.50/24/90LF 3.2SN BK BX	I.7

1290000000

1290030000	S2C-SMT 3.50/04/180G 3.5SN BK BX	I.8
1290040000	S2C-SMT 3.50/06/180G 3.5SN BK BX	I.8
1290050000	S2C-SMT 3.50/08/180G 3.5SN BK BX	I.8
1290060000	S2C-SMT 3.50/10/180G 3.5SN BK BX	I.8
1290070000	S2C-SMT 3.50/12/180G 3.5SN BK BX	I.8
1290080000	S2C-SMT 3.50/14/180G 3.5SN BK BX	I.8
1290090000	S2C-SMT 3.50/16/180G 3.5SN BK BX	I.8
1290110000	S2C-SMT 3.50/18/180G 3.5SN BK BX	I.8
1290120000	S2C-SMT 3.50/20/180G 3.5SN BK BX	I.8
1290130000	S2C-SMT 3.50/22/180G 3.5SN BK BX	I.8
1290140000	S2C-SMT 3.50/24/180G 3.5SN BK BX	I.8
1290220000	S2C-SMT 3.50/04/180LF 3.5SN BK BX	I.9
1290230000	S2C-SMT 3.50/06/180LF 3.5SN BK BX	I.9
1290240000	S2C-SMT 3.50/08/180LF 3.5SN BK BX	I.9
1290250000	S2C-SMT 3.50/10/180LF 3.5SN BK BX	I.9
1290260000	S2C-SMT 3.50/12/180LF 3.5SN BK BX	I.9
1290270000	S2C-SMT 3.50/14/180LF 3.5SN BK BX	I.9
1290280000	S2C-SMT 3.50/16/180LF 3.5SN BK BX	I.9
1290290000	S2C-SMT 3.50/18/180LF 3.5SN BK BX	I.9
1290310000	S2C-SMT 3.50/20/180LF 3.5SN BK BX	I.9
1290320000	S2C-SMT 3.50/22/180LF 3.5SN BK BX	I.9
1290330000	S2C-SMT 3.50/24/180LF 3.5SN BK BX	I.9
1294340000	CH20M12 S PPP BL 2013	S.23
1296430000	CH20M22 S PPP BL 2013	S.27
1297840000	DP WGK 4 BK BX	Q.12

1300000000

1304240000	CH20M22 FC TYL 2083	S.26
1307570000	BBDF OR	M.6
1307580000	BBDF BK	M.6

1310000000

1312730000	BVZ 7.62IT/04/180MF3 SN BK BX	Q.71
1317200000	SAMPLE LP CH20M PPP	S.13

1320000000

1324260000	AP 80 OR 2000	S.48
1324360000	AP 80 D OR 2000	S.48
1324460000	RF 180 OR 2000	S.48
1324460000	RF 180 OR 2000	S.49
1327040000	SK S-KIT IN-RAIL BUS CH20M 12-67	S.13
1327990000	CH20M45 S 2PSC/2PSC TYL 2083	S.29

1330000000

1330180000	LMF 5.00/02/180 3.5SN OR BX	G.83
1330190000	LMF 5.00/03/180 3.5SN OR BX	G.83
1330200000	LMF 5.00/04/180 3.5SN OR BX	G.83
1330210000	LMF 5.00/05/180 3.5SN OR BX	G.83
1330220000	LMF 5.00/06/180 3.5SN OR BX	G.83
1330230000	LMF 5.00/07/180 3.5SN OR BX	G.83
1330240000	LMF 5.00/08/180 3.5SN OR BX	G.83
1330250000	LMF 5.00/09/180 3.5SN OR BX	G.83
1330270000	LMF 5.00/10/180 3.5SN OR BX	G.83
1330280000	LMF 5.00/11/180 3.5SN OR BX	G.83
1330290000	LMF 5.00/12/180 3.5SN OR BX	G.83
1330430000	LMFS 5.00/02/180 3.5SN OR BX	G.83
1330440000	LMFS 5.00/03/180 3.5SN OR BX	G.83
1330450000	LMFS 5.00/04/180 3.5SN OR BX	G.83
1330470000	LMFS 5.00/05/180 3.5SN OR BX	G.83
1330490000	LMFS 5.00/06/180 3.5SN OR BX	G.83
1330500000	LMFS 5.00/07/180 3.5SN OR BX	G.83
1330510000	LMFS 5.00/08/180 3.5SN OR BX	G.83
1330520000	LMFS 5.00/09/180 3.5SN OR BX	G.83
1330530000	LMFS 5.00/10/180 3.5SN OR BX	G.83
1330540000	LMFS 5.00/11/180 3.5SN OR BX	G.83
1330550000	LMFS 5.00/12/180 3.5SN OR BX	G.83
1330710000	LMF 5.08/02/90 3.5SN OR BX	G.84
1330720000	LMF 5.08/03/90 3.5SN OR BX	G.84
1330730000	LMF 5.08/04/90 3.5SN OR BX	G.84
1330740000	LMF 5.08/05/90 3.5SN OR BX	G.84
1330750000	LMF 5.08/06/90 3.5SN OR BX	G.84
1330770000	LMF 5.08/07/90 3.5SN OR BX	G.84
1330780000	LMF 5.08/08/90 3.5SN OR BX	G.84
1330790000	LMF 5.08/09/90 3.5SN OR BX	G.84
1330800000	LMF 5.08/10/90 3.5SN OR BX	G.84
1330810000	LMF 5.08/11/90 3.5SN OR BX	G.84
1330820000	LMF 5.08/12/90 3.5SN OR BX	G.84
1330960000	LMFS 5.08/02/90 3.5SN OR BX	G.85
1330970000	LMFS 5.08/03/90 3.5SN OR BX	G.85
1330980000	LMFS 5.08/04/90 3.5SN OR BX	G.85
1330990000	LMFS 5.08/05/90 3.5SN OR BX	G.85
1331000000	LMFS 5.08/06/90 3.5SN OR BX	G.85
1331010000	LMFS 5.08/07/90 3.5SN OR BX	G.85
1331020000	LMFS 5.08/08/90 3.5SN OR BX	G.85
1331030000	LMFS 5.08/09/90 3.5SN OR BX	G.85
1331040000	LMFS 5.08/10/90 3.5SN OR BX	G.85
1331050000	LMFS 5.08/11/90 3.5SN OR BX	G.85
1331060000	LMFS 5.08/12/90 3.5SN OR BX	G.85
1331080000	LMF 5.08/02/180 3.5SN OR BX	G.85
1331100000	LMF 5.08/03/180 3.5SN OR BX	G.85
1331120000	LMF 5.08/04/180 3.5SN OR BX	G.85
1331140000	LMF 5.08/05/180 3.5SN OR BX	G.85
1331160000	LMF 5.08/06/180 3.5SN OR BX	G.85
1331180000	LMF 5.08/07/180 3.5SN OR BX	G.85
1331200000	LMF 5.08/08/180 3.5SN OR BX	G.85
1331220000	LMF 5.08/09/180 3.5SN OR BX	G.85
1331240000	LMF 5.08/10/180 3.5SN OR BX	G.85
1331260000	LMF 5.08/11/180 3.5SN OR BX	G.85
1331280000	LMF 5.08/12/180 3.5SN OR BX	G.85
1331430000	LMFS 5.08/02/180 3.5SN OR BX	G.85
1331440000	LMFS 5.08/03/180 3.5SN OR BX	G.85
1331450000	LMFS 5.08/04/180 3.5SN OR BX	G.85
1331470000	LMFS 5.08/05/180 3.5SN OR BX	G.85
1331480000	LMFS 5.08/06/180 3.5SN OR BX	G.85
1331490000	LMFS 5.08/07/180 3.5SN OR BX	G.85
1331500000	LMFS 5.08/08/180 3.5SN OR BX	G.85
1331510000	LMFS 5.08/09/180 3.5SN OR BX	G.85
1331520000	LMFS 5.08/10/180 3.5SN OR BX	G.85
1331530000	LMFS 5.08/11/180 3.5SN OR BX	G.85
1331540000	LMFS 5.08/12/180 3.5SN OR BX	G.85
1331700000	LMF 5.00/02/90 3.5SN OR BX	G.82
1331710000	LMF 5.00/03/90 3.5SN OR BX	G.82
1331720000	LMF 5.00/04/90 3.5SN OR BX	G.82
1331730000	LMF 5.00/05/90 3.5SN OR BX	G.82
1331740000	LMF 5.00/06/90 3.5SN OR BX	G.82
1331750000	LMF 5.00/07/90 3.5SN OR BX	G.82
1331770000	LMF 5.00/08/90 3.5SN OR BX	G.82
1331780000	LMF 5.00/09/90 3.5SN OR BX	G.82
1331790000	LMF 5.00/10/90 3.5SN OR BX	G.82
1331800000	LMF 5.00/11/90 3.5SN OR BX	G.82
1331810000	LMF 5.00/12/90 3.5SN OR BX	G.82
1331960000	LMFS 5.00/02/90 3.5SN OR BX	G.83
1331970000	LMFS 5.00/03/90 3.5SN OR BX	G.83
1331980000	LMFS 5.00/04/90 3.5SN OR BX	G.83
1331990000	LMFS 5.00/05/90 3.5SN OR BX	G.83
1332010000	LMFS 5.00/06/90 3.5SN OR BX	G.83
1332020000	LMFS 5.00/07/90 3.5SN OR BX	G.83
1332030000	LMFS 5.00/08/90 3.5SN OR BX	G.83
1332040000	LMFS 5.00/09/90 3.5SN OR BX	G.83
1332050000	LMFS 5.00/10/90 3.5SN OR BX	G.83
1332060000	LMFS 5.00/11/90 3.5SN OR BX	G.83
1332070000	LMFS 5.00/12/90 3.5SN OR BX	G.83
1333100000	H2,5/14DS BL	K.46
1333100000	H2,5/14DS BL	K.48
1333100000	H2,5/14DS BL	K.84
1333100000	H2,5/14DS BL	K.88
1333100000	H2,5/14DS BL	K.94
1333100000	H2,5/14DS BL	K.108
1333100000	H2,5/14DS BL	K.110
1333100000	H2,5/14DS BL	K.112
1333100000	H2,5/14DS BL	K.114
1335140000	SAMPLE CH20M BUS 250MM TS 35X7.5	S.41
1335150000	SAMPLE CH20M BUS 250MM TS 35X15	S.41
1335330000	SLF 5.08/02/180 SN OR BX	K.94
1335340000	SLF 5.08/03/180 SN OR BX	K.94
1335350000	SLF 5.08/04/180 SN OR BX	K.94
1335360000	SLF 5.08/05/180 SN OR BX	K.94
1335370000	SLF 5.08/06/180 SN OR BX	K.94
1335380000	SLF 5.08/07/180 SN OR BX	K.94
1335390000	SLF 5.08/08/180 SN OR BX	K.94
1335400000	SLF 5.08/09/180 SN OR BX	K.94
1335410000	SLF 5.08/10/180 SN OR BX	K.94
1335420000	SLF 5.08/11/180 SN OR BX	K.94
1335430000	SLF 5.08/12/180 SN OR BX	K.94
1335440000	SLF 5.08/02/180B SN OR BX	K.95
1335450000	SLF 5.08/03/180B SN OR BX	K.95
1335460000	SLF 5.08/04/180B SN OR BX	K.95
1335470000	SLF 5.08/05/180B SN OR BX	K.95
1335480000	SLF 5.08/06/180B SN OR BX	K.95
1335490000	SLF 5.08/07/180B SN OR BX	K.95
1335510000	SLF 5.08/08/180B SN OR BX	K.95
1335520000	SLF 5.08/09/180B SN OR BX	K.95
1335530000	SLF 5.08/10/180B SN OR BX	K.95
1335540000	SLF 5.08/11/180B SN OR BX	K.95
1335550000	SLF 5.08/12/180B SN OR BX	K.95
1335590000	SLF 5.08/02/180F SN OR BX	K.95
1335620000	SLF 5.08/03/180F SN OR BX	K.95
1335640000	SLF 5.08/04/180F SN OR BX	K.95
1335660000	SLF 5.08/05/180F SN OR BX	K.95
1335680000	SLF 5.08/06/180F SN OR BX	K.95
1335700000	SLF 5.08/07/180F SN OR BX	K.95
1335720000	SLF 5.08/08/180F SN OR BX	K.95
1335740000	SLF 5.08/09/180F SN OR BX	K.95
1335760000	SLF 5.08/10/180F SN OR BX	K.95
1335780000	SLF 5.08/11/180F SN OR BX	K.95
1335800000	SLF 5.08/12/180F SN OR BX	K.95
1336400000	SLF 5.08/02/180FI SN OR BX	K.95
1336410000	SLF 5.08/03/180FI SN OR BX	K.95
1336420000	SLF 5.08/04/180FI SN OR BX	K.95
1336430000	SLF 5.08/05/180FI SN OR BX	K.95
1336440000	SLF 5.08/06/180FI SN OR BX	K.95
1336450000	SLF 5.08/07/180FI SN OR BX	K.95
1336470000	SLF 5.08/08/180FI SN OR BX	K.95
1336480000	SLF 5.08/09/180FI SN OR BX	K.95
1336490000	SLF 5.08/10/180FI SN OR BX	K.95
1336500000	SLF 5.08/11/180FI SN OR BX	K.95
1336510000	SLF 5.08/12/180FI SN OR BX	K.95
1337640000	CH20M45 F TYL 2083	S.28

1340000000

1346320000	ESG 6.6/15 BHZ 5.00 SDR	S.37
1346330000	ESG 6.6/11 BHZ 5.00 SDR	S.37

1350000000

1350230000	CH20M22 F TYL 2083	S.26
1353130000	BLT 5.08HC/02/180DF SN OR BX	K.86
1353140000	BLT 5.08HC/03/180DF SN OR BX	K.86
1353150000	BLT 5.08HC/04/180DF SN OR BX	K.86
1353170000	BLT 5.08HC/05/180DF SN OR BX	K.86
1353180000	BLT 5.08HC/06/180DF SN OR BX	K.86
1353190000	BLT 5.08HC/07/180DF SN OR BX	K.86
1353200000	BLT 5.08HC/08/180DF SN OR BX	K.86
1353220000	BLT 5.08HC/09/180DF SN OR BX	K.86
1353230000	BLT 5.08HC/10/180DF SN OR BX	K.86
1353240000	BLF 5.08HC/02/180DF SN OR BX	K.88
1353250000	BLF 5.08HC/03/180DF SN OR BX	K.88
1353270000	BLF 5.08HC/04/180DF SN OR BX	K.88
1353280000	BLF 5.08HC/05/180DF SN OR BX	K.88
1353290000	BLF 5.08HC/07/180DF SN OR BX	K.88
1353300000	BLF 5.08HC/08/180DF SN OR BX	K.88

Order No.	Type	Page
1353320000	BLF 5.08HC/09/180DF SN OR BX	K.88
1353330000	BLF 5.08HC/10/180DF SN OR BX	K.88
1353340000	BLF 5.08HC/06/180DF SN OR BX	K.88
1353470000	SLS 5.08/02/180DF SN OR BX	K.82
1353480000	SLS 5.08/03/180DF SN OR BX	K.82
1353490000	SLS 5.08/04/180DF SN OR BX	K.82
1353500000	SLS 5.08/05/180DF SN OR BX	K.82
1353520000	SLS 5.08/06/180DF SN OR BX	K.82
1353530000	SLS 5.08/07/180DF SN OR BX	K.82
1353540000	SLS 5.08/08/180DF SN OR BX	K.82
1353550000	SLS 5.08/09/180DF SN OR BX	K.82
1353570000	SLS 5.08/10/180DF SN OR BX	K.82
1353580000	SLF 5.08/02/180DF SN OR BX	K.84
1353590000	SLF 5.08/03/180DF SN OR BX	K.84
1353600000	SLF 5.08/04/180DF SN OR BX	K.84
1353620000	SLF 5.08/05/180DF SN OR BX	K.84
1353630000	SLF 5.08/06/180DF SN OR BX	K.84
1353640000	SLF 5.08/07/180DF SN OR BX	K.84
1353650000	SLF 5.08/08/180DF SN OR BX	K.84
1353670000	SLF 5.08/09/180DF SN OR BX	K.84
1353680000	SLF 5.08/10/180DF SN OR BX	K.84
1356830000	LL 6.35/02/90V 5.0SN BK BX	N.16
1356840000	LL 6.35/03/90V 5.0SN BK BX	N.16
1356850000	LL 6.35/04/90V 5.0SN BK BX	N.16
1356870000	LL 6.35/05/90V 5.0SN BK BX	N.16
1356880000	LL 6.35/06/90V 5.0SN BK BX	N.16
1356890000	LL 6.35/07/90V 5.0SN BK BX	N.16
1356900000	LL 6.35/08/90V 5.0SN BK BX	N.16
1356920000	LL 6.35/09/90V 5.0SN BK BX	N.16
1356930000	LL 6.35/10/90V 5.0SN BK BX	N.16
1356940000	LL 6.35/11/90V 5.0SN BK BX	N.16
1356950000	LL 6.35/12/90V 5.0SN BK BX	N.16
1357790000	S2CD-THR 3.50/08/90G 3.2SN BK BX	I.10
1357800000	S2CD-THR 3.50/12/90G 3.2SN BK BX	I.10
1357820000	S2CD-THR 3.50/16/90G 3.2SN BK BX	I.10
1357830000	S2CD-THR 3.50/20/90G 3.2SN BK BX	I.10
1357840000	S2CD-THR 3.50/24/90G 3.2SN BK BX	I.10
1357850000	S2CD-THR 3.50/28/90G 3.2SN BK BX	I.10
1357870000	S2CD-THR 3.50/32/90G 3.2SN BK BX	I.10
1357880000	S2CD-THR 3.50/36/90G 3.2SN BK BX	I.10
1357890000	S2CD-THR 3.50/08/90LF 3.2SN BK BX	I.11
1357900000	S2CD-THR 3.50/12/90LF 3.2SN BK BX	I.11
1357920000	S2CD-THR 3.50/16/90LF 3.2SN BK BX	I.11
1357930000	S2CD-THR 3.50/20/90LF 3.2SN BK BX	I.11
1357940000	S2CD-THR 3.50/24/90LF 3.2SN BK BX	I.11
1357950000	S2CD-THR 3.50/28/90LF 3.2SN BK BX	I.11
1357970000	S2CD-THR 3.50/32/90LF 3.2SN BK BX	I.11
1357990000	S2CD-THR 3.50/36/90LF 3.2SN BK BX	I.11
1358630000	S2C-SMT 3.50/04/180LF 1.5SN BK RL	I.9
1358640000	S2C-SMT 3.50/06/180LF 1.5SN BK RL	I.9
1358650000	S2C-SMT 3.50/08/180LF 1.5SN BK RL	I.9
1358670000	S2C-SMT 3.50/10/180LF 1.5SN BK RL	I.9
1358680000	S2C-SMT 3.50/12/180LF 1.5SN BK RL	I.9
1358690000	S2C-SMT 3.50/14/180LF 1.5SN BK RL	I.9
1358700000	S2C-SMT 3.50/16/180LF 1.5SN BK RL	I.9
1358710000	S2C-SMT 3.50/18/180LF 1.5SN BK RL	I.9
1358720000	S2C-SMT 3.50/20/180LF 1.5SN BK RL	I.9
1358860000	S2C-SMT 3.50/04/180G 1.5SN BK RL	I.9
1358870000	S2C-SMT 3.50/06/180G 1.5SN BK RL	I.9
1358880000	S2C-SMT 3.50/08/180G 1.5SN BK RL	I.9
1358900000	S2C-SMT 3.50/10/180G 1.5SN BK RL	I.9
1358920000	S2C-SMT 3.50/12/180G 1.5SN BK RL	I.9
1358940000	S2C-SMT 3.50/14/180G 1.5SN BK RL	I.9
1358970000	S2C-SMT 3.50/16/180G 1.5SN BK RL	I.9
1358990000	S2C-SMT 3.50/18/180G 1.5SN BK RL	I.9
1359020000	S2C-SMT 3.50/20/180G 1.5SN BK RL	I.9
1359040000	S2C-SMT 3.50/22/180G 1.5SN BK RL	I.9
1359060000	S2C-SMT 3.50/24/180G 1.5SN BK RL	I.9
1359080000	S2C-SMT 3.50/04/90LF 1.5SN BK RL	I.7
1359090000	S2C-SMT 3.50/06/90LF 1.5SN BK RL	I.7
1359110000	S2C-SMT 3.50/08/90LF 1.5SN BK RL	I.7
1359120000	S2C-SMT 3.50/10/90LF 1.5SN BK RL	I.7
1359130000	S2C-SMT 3.50/12/90LF 1.5SN BK RL	I.7
1359140000	S2C-SMT 3.50/14/90LF 1.5SN BK RL	I.7
1359150000	S2C-SMT 3.50/16/90LF 1.5SN BK RL	I.7
1359160000	S2C-SMT 3.50/18/90LF 1.5SN BK RL	I.7
1359170000	S2C-SMT 3.50/20/90LF 1.5SN BK RL	I.7
1359580000	S2C-SMT 3.50/04/90G 1.5SN BK RL	I.7
1359590000	S2C-SMT 3.50/06/90G 1.5SN BK RL	I.7
1359600000	S2C-SMT 3.50/08/90G 1.5SN BK RL	I.7
1359610000	S2C-SMT 3.50/10/90G 1.5SN BK RL	I.7
1359620000	S2C-SMT 3.50/12/90G 1.5SN BK RL	I.7
1359630000	S2C-SMT 3.50/14/90G 1.5SN BK RL	I.7
1359640000	S2C-SMT 3.50/16/90G 1.5SN BK RL	I.7
1359650000	S2C-SMT 3.50/18/90G 1.5SN BK RL	I.7
1359670000	S2C-SMT 3.50/20/90G 1.5SN BK RL	I.7
1359680000	S2C-SMT 3.50/22/90G 1.5SN BK RL	I.7
1359690000	S2C-SMT 3.50/24/90G 1.5SN BK RL	I.7

1360000000

1366280000	CH20M17 B BUS BK/BK 2010	S.24
1366350000	CH20M12 B BUS BK/BK 2010	S.22

1370000000

1376310000	BLL 3.50/02/180 3.2SN OR TU	I.62
1376320000	BLL 3.50/03/180 3.2SN OR TU	I.62
1376330000	BLL 3.50/04/180 3.2SN OR TU	I.62
1376340000	BLL 3.50/05/180 3.2SN OR TU	I.62
1376350000	BLL 3.50/07/180 3.2SN OR TU	I.62
1376370000	BLL 3.50/11/180 3.2SN OR TU	I.62
1376430000	BLL 3.50/06/180 3.2SN OR TU	I.62
1376440000	BLL 3.50/08/180 3.2SN OR TU	I.62
1376450000	BLL 3.50/09/180 3.2SN OR TU	I.62
1376470000	BLL 3.50/10/180 3.2SN OR TU	I.62
1376480000	BLL 3.50/12/180 3.2SN OR TU	I.62
1378000000	CH20M17 B FE BK/BK 2010	S.24
1379610000	SL-SMT 3.50/02/90RF 1.5SN BK BX	I.33

1380000000

1384030000	CH20M22 B BUS FE BK/BK 2010	S.26

1390000000

1395730000	CH20M17 S PPP TYL 2083	S.25
1398820000	SL 7.62IT/05/90MF3 3.2SN BK BX SO	0.61
1398830000	SL 7.62IT/05/90MF4 3.2SN BK BX SO	0.61
1398840000	SL 7.62IT/06/90MF3 3.2SN BK BX SO	0.61
1398880000	BLZ 7.62IT/05/180MF3 SN BK BX	0.63
1398890000	BLZ 7.62IT/05/180MF4 SN BK BX	0.63
1398900000	BLZ 7.62IT/06/180MF3 SN BK BX	0.63
1398910000	BLZ 7.62IT/06/180MF4 SN BK BX	0.63

1410000000

1411160000	AP 86 D OR	S.48
1412410000	LSF-SMD 3.50/02/90 SN BK RL	G.76
1412420000	LSF-SMD 3.50/03/90 SN BK RL	G.76
1413000000	RSV1,6 B4 GR	L.15
1413100000	RSV1,6 S4 GR	L.14
1413780000	CH20M67 B BUS GGY/BK 2019	S.30
1413810000	CH20M67 FC GGY 2019	S.30
1413820000	CH20M67 S 2PSC/2PSC/2PSC GGY 2019	S.31
1414000000	RSV1,6 B6 GR	L.15
1414100000	RSV1,6 S6 GR	L.14
1415000000	RSV1,6 B9 GR	L.15
1415100000	RSV1,6 S9 GR	L.14
1416000000	RSV1,6 B12 GR	L.15
1416100000	RSV1,6 S12 GR	L.14
1417000000	RSV1,6 B18 GR	L.15
1417100000	RSV1,6 S18 GR	L.14
1418000000	RSV1,6 B24 GR	L.15
1418100000	RSV1,6 S24 GR	L.14
1419000000	RSV1,6 B36 GR BX	L.15
1419100000	RSV1,6 S36 GR BX	L.14

1420000000

1420370000	CH20M67 S 3P/3P/3P BK 2010	S.31
1420500000	CS1,6R26-24 AU,75 I1,4	L.16
1420600000	CS1,6E26-24 AU,75 I1,4	L.16
1420700000	CSL1,6E26-24 AU,75 I1,4	L.16
1420800000	CB1,6R26-24 AU,75 I1,4	L.16
1420900000	CB1,6E26-24 AU,75 I1,4	L.16
1421500000	CS1,6R26-24 SN I1,4	L.16
1421600000	CS1,6E26-24 SN I1,4	L.16
1421700000	CSL1,6E26-24 SN I1,4	L.16
1421800000	CB1,6R26-24 SN I1,4	L.16
1421900000	CB1,6E26-24 SN I1,4	L.16
1422500000	CS1,6R22-20 AU,75 I1,8	L.16
1422600000	CS1,6E22-20 AU,75 I1,8	L.16
1422700000	CSL1,6E22-20 AU,75 I1,8	L.16
1422800000	CB1,6R22-20 AU,75 I1,8	L.16
1422900000	CB1,6E22-20 AU,75 I1,8	L.16
1423500000	CS1,6R22-20 SN I1,8	L.16
1423600000	CS1,6E22-20 SN I1,8	L.16
1423700000	CSL1,6E22-20 SN I1,8	L.16
1423800000	CB1,6R22-20 SN I1,8	L.16
1423900000	CB1,6E22-20 SN I1,8	L.16
1424500000	CS1,6R22-20 AU,75 I2,5	L.16
1424600000	CS1,6E22-20 AU,75 I2,5	L.16
1424700000	CSL1,6E22-20 AU,75 I2,5	L.16
1424800000	CB1,6R22-20 AU,75 I2,5	L.16
1424900000	CB1,6E22-20 AU,75 I2,5	L.16
1425500000	CS1,6R22-20 SN I2,5	L.16
1425600000	CS1,6E22-20 SN I2,5	L.16
1425700000	CSL1,6E22-20 SN I2,5	L.16
1425800000	CB1,6R22-20 SN I2,5	L.16
1425900000	CB1,6E22-20 SN I2,5	L.16
1426500000	CS1,6R18-16 AU,75 I2,5	L.16
1426600000	CS1,6E18-16 AU,75 I2,5	L.16
1426700000	CSL1,6E18-16 AU,75 I2,5	L.16
1426800000	CB1,6R18-16 AU,75 I2,5	L.16
1426900000	CB1,6E18-16 AU,75 I2,5	L.16
1427220000	SVF 7.62HP/02/180SFMF2 SN BK BX	0.152
1427230000	SVF 7.62HP/03/180SFMF2 SN BK BX	0.152
1427240000	SVF 7.62HP/03/180SFMF3 SN BK BX	0.153
1427250000	SVF 7.62HP/04/180SFMF2 SN BK BX	0.152
1427260000	SVF 7.62HP/04/180SFMF3 SN BK BX	0.153
1427270000	SVF 7.62HP/04/180SFMF4 SN BK BX	0.153
1427500000	CS1,6R18-16 SN I2,5	L.16
1427600000	CS1,6E18-16 SN I2,5	L.16
1427700000	CSL1,6E18-16 SN I2,5	L.16
1427800000	CB1,6R18-16 SN I2,5	L.16
1427900000	CB1,6E18-16 SN I2,5	L.16
1428500000	CS1,6R14-12 AU,75 I3,5	L.16
1428600000	CS1,6E14-12 AU,75 I3,5	L.16
1428700000	CSL1,6E14-12 AU,75 I3,5	L.16
1428800000	CB1,6R14-12 AU,75 I3,5	L.16
1428900000	CB1,6E14-12 AU,75 I3,5	L.16
1429500000	CS1,6R14-12 SN I3,5	L.16
1429600000	CS1,6E14-12 SN I3,5	L.16
1429700000	CSL1,6E14-12 SN I3,5	L.16
1429800000	CB1,6R14-12 SN I3,5	L.16
1429900000	CB1,6E14-12 SN I3,5	L.16
1429920000	SVF 7.62HP/02/180SFBMF2 SN BK BX	0.154
1429930000	SVF 7.62HP/03/180SFBMF2 SN BK BX	0.154
1429940000	SVF 7.62HP/03/180SFBMF3 SN BK BX	0.155
1429950000	SVF 7.62HP/04/180SFBMF2 SN BK BX	0.154
1429960000	SVF 7.62HP/04/180SFBMF3 SN BK BX	0.155
1429970000	SVF 7.62HP/04/180SFBMF4 SN BK BX	0.155

1430000000

1430030000	SVF 7.62HP/04/180MF4 SN BK BX	0.149
1430080000	SVF 7.62HP/04/180MSF4 SN BK BX	0.151
1430090000	BVF 7.62HP/04/180MSF2 SN BK BX	0.170
1430100000	BVF 7.62HP/05/180MSF2 SN BK BX	0.170
1430110000	BVF 7.62HP/04/180MSF4 SN BK BX	0.171
1430120000	BVF 7.62HP/04/180MF2 SN BK BX	0.168
1430130000	BVF 7.62HP/05/180MF2 SN BK BX	0.168
1430140000	BVF 7.62HP/04/180MF4 SN BK BX	0.169
1433800000	RJ45C5 T1D 3.3N4N TY	D.20
1433810000	RJ45C5 T1V 3.2N4N TY	D.19
1433890000	RJ45C5 S1D 2.7N4N RL	D.9
1433900000	RJ45C5 S1V 2.7N4N RL	D.6
1433910000	RJ45C6 T1U 2.7N4N TY	D.22

1440000000

1440200000	RSV1,6 LB4 GR 3,2 AU	L.12
1440300000	RSV1,6 LB4 GR 3,2 SN	L.8
1440400000	RSV1,6 LS4 GR 3,2 AU	L.10
1440500000	RSV1,6 LS4 GR 3,2 SN	L.6
1440600000	RSV1,6 LBF4 GR 3,2 AU	L.13
1440700000	RSV1,6 LBF4 GR 3,2 SN	L.9
1440800000	RSV1,6 LSF4 GR 3,2 AU	L.11
1440850000	SVF/BVF 7.62HP COUPLE SET	0.152
1440850000	SVF/BVF 7.62HP COUPLE SET	0.154
1440850000	SVF/BVF 7.62HP COUPLE SET	0.168
1440850000	SVF/BVF 7.62HP COUPLE SET	0.170
1440850000	SVF/BVF 7.62HP COUPLE SET	0.174
1440850000	SVF/BVF 7.62HP COUPLE SET	R.2
1440900000	RSV1,6 LSF4 GR 3,2 SN	L.7
1441200000	RSV1,6 LB6 GR 3,2 AU	L.12
1441300000	RSV1,6 LB6 GR 3,2 SN	L.8
1441400000	RSV1,6 LS6 GR 3,2 AU	L.10
1441500000	RSV1,6 LS6 GR 3,2 SN	L.6
1441600000	RSV1,6 LBF6 GR 3,2 AU	L.13
1441700000	RSV1,6 LBF6 GR 3,2 SN	L.9
1441800000	RSV1,6 LSF6 GR 3,2 AU	L.11
1441900000	RSV1,6 LSF6 GR 3,2 SN	L.7
1442200000	RSV1,6 LB9 GR 3,2 AU	L.12
1442300000	RSV1,6 LB9 GR 3,2 SN	L.8
1442400000	RSV1,6 LS9 GR 3,2 AU	L.10
1442500000	RSV1,6 LS9 GR 3,2 SN	L.6
1442600000	RSV1,6 LBF9 GR 3,2 AU	L.13
1442700000	RSV1,6 LBF9 GR 3,2 SN	L.9
1442800000	RSV1,6 LSF9 GR 3,2 AU	L.11
1442900000	RSV1,6 LSF9 GR 3,2 SN	L.7
1443200000	RSV1,6 LB12 GR 3,2 AU	L.12
1443300000	RSV1,6 LB12 GR 3,2 SN	L.8
1443400000	RSV1,6 LS12 GR 3,2 AU	L.10
1443500000	RSV1,6 LS12 GR 3,2 SN	L.6
1443600000	RSV1,6 LBF12 GR 3,2 AU	L.13
1443700000	RSV1,6 LBF12 GR 3,2 SN	L.9
1443800000	RSV1,6 LSF12 GR 3,2 AU	L.11
1443900000	RSV1,6 LSF12 GR 3,2 SN	L.7
1444200000	RSV1,6 LB18 GR 3,2 AU	L.12
1444300000	RSV1,6 LB18 GR 3,2 SN	L.8
1444400000	RSV1,6 LS18 GR 3,2 AU	L.10
1444500000	RSV1,6 LS18 GR 3,2 SN	L.6
1444600000	RSV1,6 LBF18 GR 3,2 AU	L.13
1444700000	RSV1,6 LBF18 GR 3,2 SN	L.9
1444800000	RSV1,6 LSF18 GR 3,2 AU	L.11
1444900000	RSV1,6 LSF18 GR 3,2 SN	L.7
1445200000	RSV1,6 LB24 GR 3,2 AU	L.12
1445300000	RSV1,6 LB24 GR 3,2 SN	L.8
1445400000	RSV1,6 LS24 GR 3,2 AU	L.10
1445500000	RSV1,6 LS24 GR 3,2 SN	L.6
1445600000	RSV1,6 LBF24 GR 3,2 AU	L.13
1445700000	RSV1,6 LBF24 GR 3,2 SN	L.9
1445800000	RSV1,6 LSF24 GR 3,2 AU	L.11
1445900000	RSV1,6 LSF24 GR 3,2 SN	L.7
1446060000	SLA BB8 RH OR	K.92
1446060000	SLA BB8 RH OR	K.93
1446200000	RSV1,6 LB36 GR 3,2 AU	L.12
1446300000	RSV1,6 LB36 GR 3,2 SN	L.8
1446400000	RSV1,6 LS36 GR 3,2 AU	L.10
1446500000	RSV1,6 LS36 GR 3,2 SN	L.6
1446600000	RSV1,6 LBF36 GR 3,2 AU	L.13
1446700000	RSV1,6 LBF36 GR 3,2 SN	L.9
1446800000	RSV1,6 LSF36 GR 3,2 AU	L.11
1446900000	RSV1,6 LSF36 GR 3,2 SN	L.7

1450000000

1455220000	RJ45C5E S1U 0.9N4N RL	D.10
1455240000	RJ45C5 T1U 2.8N4N TY	D.23
1455770000	CH20M67 S 3P/3P/3P GGY 2019	S.31

1460000000

1464270000	SV 7.62HP/04/90MF2 3.5SN BK BX	0.132
1464280000	SV 7.62HP/05/90MF2 3.5SN BK BX	0.132
1464290000	SV 7.62HP/04/90MF4 3.5SN BK BX	0.133
1464310000	SV 7.62HP/04/180MF2 3.5SN BK BX	0.136
1464320000	SV 7.62HP/05/180MF2 3.5SN BK BX	0.136
1464330000	SV 7.62HP/04/180MF4 3.5SN BK BX	0.137
1464340000	SV 7.62HP/04/270MF2 3.5SN BK BX	0.140
1464350000	SV 7.62HP/05/270MF2 3.5SN BK BX	0.140
1464360000	SV 7.62HP/04/270MF4 3.5SN BK BX	0.141

1470000000

1472240000	SL 7.62HP/02/270G 3.2SN BK BX	0.106
1472250000	SL 7.62HP/03/270G 3.2SN BK BX	0.106
1472260000	SL 7.62HP/04/270G 3.2SN BK BX	0.106
1472270000	SL 7.62HP/05/270G 3.2SN BK BX	0.106
1472280000	SL 7.62HP/06/270G 3.2SN BK BX	0.106
1472360000	SL 7.62HP/02/270LF 3.2SN BK BX	0.107
1472370000	SL 7.62HP/03/270LF 3.2SN BK BX	0.107
1472380000	SL 7.62HP/04/270LF 3.2SN BK BX	0.107
1472390000	SL 7.62HP/05/270LF 3.2SN BK BX	0.107
1472410000	SL 7.62HP/06/270LF 3.2SN BK BX	0.107
1472800000	CH20M22 B FE AGY/BK 3747	S.26
1472810000	CH20M22 FC AGY 3747	S.26
1472820000	CH20M22 S RPP AGY 3747	S.27
1473310000	LSF-SMD 3.50/02/135 SN BK RL	G.77
1473320000	LSF-SMD 3.50/03/135 SN BK RL	G.77
1473330000	LSF-SMD 3.50/04/135 SN BK RL	G.77
1473340000	LSF-SMD 3.50/05/135 SN BK RL	G.77
1473350000	LSF-SMD 3.50/06/135 SN BK RL	G.77
1473370000	LSF-SMD 3.50/07/135 SN BK RL	G.77
1473380000	LSF-SMD 3.50/08/135 SN BK RL	G.77
1473390000	LSF-SMD 3.50/09/135 SN BK RL	G.77
1473410000	LSF-SMD 3.50/10/135 SN BK RL	G.77
1473420000	LSF-SMD 3.50/11/135 SN BK RL	G.77
1473430000	LSF-SMD 3.50/12/135 SN BK RL	G.77
1473510000	LSF-SMD 3.50/04/90 SN BK RL	G.76
1473520000	LSF-SMD 3.50/05/90 SN BK RL	G.76
1473530000	LSF-SMD 3.50/06/90 SN BK RL	G.76
1473540000	LSF-SMD 3.50/07/90 SN BK RL	G.76
1473550000	LSF-SMD 3.50/08/90 SN BK RL	G.76
1473560000	LSF-SMD 5.00/02/180 SN BK RL	G.79
1473570000	LSF-SMD 3.50/09/90 SN BK RL	G.76
1473580000	LSF-SMD 5.00/03/180 SN BK RL	G.79
1473590000	LSF-SMD 3.50/10/90 SN BK RL	G.76
1473610000	LSF-SMD 5.00/04/180 SN BK RL	G.79
1473620000	LSF-SMD 3.50/11/90 SN BK RL	G.76
1473640000	LSF-SMD 5.00/05/180 SN BK RL	G.79
1473650000	LSF-SMD 3.50/12/90 SN BK RL	G.76
1473660000	LSF-SMD 5.00/06/180 SN BK RL	G.79
1473670000	LSF-SMD 5.00/07/180 SN BK RL	G.79
1473680000	LSF-SMD 5.00/08/180 SN BK RL	G.79
1473690000	LSF-SMD 5.00/02/135 SN BK RL	G.79
1473700000	LSF-SMD 5.00/03/135 SN BK RL	G.79
1473710000	LSF-SMD 5.00/04/135 SN BK RL	G.79
1473720000	LSF-SMD 5.00/05/135 SN BK RL	G.79
1473740000	LSF-SMD 5.00/06/135 SN BK RL	G.79
1473750000	LSF-SMD 5.00/07/135 SN BK RL	G.79
1473760000	LSF-SMD 5.00/08/135 SN BK RL	G.79
1473770000	LSF-SMD 5.00/02/90 SN BK RL	G.78
1473780000	LSF-SMD 5.00/03/90 SN BK RL	G.78
1473790000	LSF-SMD 5.00/04/90 SN BK RL	G.78
1473800000	LSF-SMD 5.00/05/90 SN BK RL	G.78
1473810000	LSF-SMD 5.00/06/90 SN BK RL	G.78
1473820000	LSF-SMD 5.00/07/90 SN BK RL	G.78
1473830000	LSF-SMD 5.00/08/90 SN BK RL	G.78
1473840000	LSF-SMD 7.50/02/180 SN BK RL	G.81
1473850000	LSF-SMD 7.50/03/180 SN BK RL	G.81
1473860000	LSF-SMD 7.50/04/180 SN BK RL	G.81
1473870000	LSF-SMD 7.50/05/180 SN BK RL	G.81
1473880000	LSF-SMD 7.50/06/180 SN BK RL	G.81
1473890000	LSF-SMD 7.50/02/135 SN BK RL	G.81
1473900000	LSF-SMD 7.50/03/135 SN BK RL	G.81
1473910000	LSF-SMD 7.50/04/135 SN BK RL	G.81
1473920000	LSF-SMD 7.50/05/135 SN BK RL	G.81
1473930000	LSF-SMD 7.50/06/135 SN BK RL	G.81
1473940000	LSF-SMD 7.50/02/90 SN BK RL	G.80
1473950000	LSF-SMD 7.50/03/90 SN BK RL	G.80
1473960000	LSF-SMD 7.50/04/90 SN BK RL	G.80
1473970000	LSF-SMD 7.50/05/90 SN BK RL	G.80
1473980000	LSF-SMD 7.50/06/90 SN BK RL	G.80
1476000000	CH20M45 B BUS BK/BK 2010	S.28
1476910000	CH20M45 S 2PSC/2PSC BL 2013	S.29

1480000000

1480000000	DFFC 0.5-1.0 SN 3000	K.116
1480100000	DFFC 1.5-2.5 SN 2500	K.116
1482830000	CH20M45 S 3P/3P TYL 2083	S.29

Order No.	Type	Page
1490000000		
1490820000	CH20M67 B BUS BK/BK 2010	S.30
1497500000	BHF 5.00/04/180LH BK/BK	S.37
1497670000	BHF 5.00/03/180LH BK/BK	S.37
1497740000	BHF 5.00/02/180LH BK/BK	S.37
1499560000	BLT 5.08HC/02/180 SN OR BX	K.104
1499660000	BLT 5.08HC/03/180 SN OR BX	K.104
1499760000	BLT 5.08HC/04/180 SN OR BX	K.104
1499860000	BLT 5.08HC/05/180 SN OR BX	K.104
1499960000	BLT 5.08HC/06/180 SN OR BX	K.104
1500000000		
1500040000	CH20M45 S RPSC/2PSC BK 2010	S.29
1500050000	CH20M45 S 2PSC/RUSC BK 2010	S.29
1500060000	BLT 5.08HC/07/180 SN OR BX	K.104
1500160000	BLT 5.08HC/08/180 SN OR BX	K.104
1500260000	BLT 5.08HC/09/180 SN OR BX	K.104
1500360000	BLT 5.08HC/10/180 SN OR BX	K.104
1500460000	BLT 5.08HC/11/180 SN OR BX	K.104
1500560000	BLT 5.08HC/12/180 SN OR BX	K.104
1520000000		
1523940000	SVD 7.62HP/04/270F 3.2SN BK BX	0.143
1523950000	SVD 7.62HP/06/270F 3.2SN BK BX	0.143
1523970000	SVD 7.62HP/08/270F 3.2SN BK BX	0.143
1523980000	SVD 7.62HP/10/270F 3.2SN BK BX	0.143
1523990000	SVD 7.62HP/12/270F 3.2SN BK BX	0.143
1527930000	ZQV 4N/2	S.43
1528040000	ZQV 4N/2 BL	S.43
1530000000		
1530990000	BL 3.50/02/180LR SN OR BX	I.49
1531000000	BL 3.50/03/180LR SN OR BX	I.49
1531010000	BL 3.50/04/180LR SN OR BX	I.49
1531020000	BL 3.50/05/180LR SN OR BX	I.49
1531030000	BL 3.50/06/180LR SN OR BX	I.49
1531040000	BL 3.50/07/180LR SN OR BX	I.49
1531050000	BL 3.50/08/180LR SN OR BX	I.49
1531070000	BL 3.50/09/180LR SN OR BX	I.49
1531080000	BL 3.50/10/180LR SN OR BX	I.49
1531090000	BL 3.50/11/180LR SN OR BX	I.49
1531100000	BL 3.50/12/180LR SN OR BX	I.49
1531180000	BL-I/O 3.50/10/180LR SN BK BX	I.55
1531190000	BL-I/O 3.50/10/180LR PNP LED SN BK BX	I.57
1531200000	BL-I/O 3.50/10/180LR NPN LED SN BK BX	I.59
1540000000		
1543090000	SV 7.62HP/06/90MF2 3.5SN BK BX	0.132
1543120000	SV 7.62HP/06/90MF3 3.5SN BK BX	0.133
1543190000	SV 7.62HP/06/180MF2 3.5SN BK BX	0.136
1543210000	SV 7.62HP/06/180MF3 3.5SN BK BX	0.137
1543250000	SV 7.62HP/06/270MF2 3.5SN BK BX	0.140
1543260000	SV 7.62HP/06/270MF3 3.5SN BK BX	0.141
1543290000	SVD 7.62HP/04/270G 3.2SN BK BX	0.142
1543310000	SVD 7.62HP/06/270G 3.2SN BK BX	0.142
1543320000	SVD 7.62HP/08/270G 3.2SN BK BX	0.142
1543330000	SVD 7.62HP/10/270G 3.2SN BK BX	0.142
1543340000	SVD 7.62HP/12/270G 3.2SN BK BX	0.142
1545130000	CH20M22 B AGY/BK 3747	S.26
1545710000	BLZ/SL KO BK BX	K.22
1545710000	BLZ/SL KO BK BX	K.24
1545710000	BLZ/SL KO BK BX	K.26
1545710000	BLZ/SL KO BK BX	K.28
1545710000	BLZ/SL KO BK BX	K.30
1545710000	BLZ/SL KO BK BX	K.32
1545710000	BLZ/SL KO BK BX	K.34
1545710000	BLZ/SL KO BK BX	K.36
1545710000	BLZ/SL KO BK BX	K.38
1545710000	BLZ/SL KO BK BX	K.40
1545710000	BLZ/SL KO BK BX	K.42
1545710000	BLZ/SL KO BK BX	K.44
1545710000	BLZ/SL KO BK BX	K.46
1545710000	BLZ/SL KO BK BX	K.48
1545710000	BLZ/SL KO BK BX	K.50
1545710000	BLZ/SL KO BK BX	K.52
1545710000	BLZ/SL KO BK BX	K.54
1545710000	BLZ/SL KO BK BX	K.56
1545710000	BLZ/SL KO BK BX	K.58
1545710000	BLZ/SL KO BK BX	K.60
1545710000	BLZ/SL KO BK BX	K.62
1545710000	BLZ/SL KO BK BX	K.64
1545710000	BLZ/SL KO BK BX	K.66
1545710000	BLZ/SL KO BK BX	K.68
1545710000	BLZ/SL KO BK BX	K.70
1545710000	BLZ/SL KO BK BX	K.72
1545710000	BLZ/SL KO BK BX	K.74
1545710000	BLZ/SL KO BK BX	K.76
1545710000	BLZ/SL KO BK BX	K.78
1545710000	BLZ/SL KO BK BX	K.80
1545710000	BLZ/SL KO BK BX	K.82
1545710000	BLZ/SL KO BK BX	K.84
1545710000	BLZ/SL KO BK BX	K.86
1545710000	BLZ/SL KO BK BX	K.88
1545710000	BLZ/SL KO BK BX	K.90

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1545710000	BLZ/SL KO BK BX	K.92
1545710000	BLZ/SL KO BK BX	K.93
1545710000	BLZ/SL KO BK BX	K.94
1545710000	BLZ/SL KO BK BX	K.96
1545710000	BLZ/SL KO BK BX	K.98
1545710000	BLZ/SL KO BK BX	K.100
1545710000	BLZ/SL KO BK BX	K.102
1545710000	BLZ/SL KO BK BX	K.104
1545710000	BLZ/SL KO BK BX	K.106
1545710000	BLZ/SL KO BK BX	K.108
1545710000	BLZ/SL KO BK BX	K.110
1545710000	BLZ/SL KO BK BX	K.112
1545710000	BLZ/SL KO BK BX	K.114
1545710000	BLZ/SL KO BK BX	K.116
1545710000	BLZ/SL KO BK BX	K.118
1545710000	BLZ/SL KO BK BX	K.120
1545710000	BLZ/SL KO BK BX	M.11
1545710000	BLZ/SL KO BK BX	0.60
1545710000	BLZ/SL KO BK BX	0.62
1545710000	BLZ/SL KO BK BX	0.102
1545710000	BLZ/SL KO BK BX	0.104
1545710000	BLZ/SL KO BK BX	0.106
1545710000	BLZ/SL KO BK BX	0.108
1545710000	BLZ/SL KO BK BX	0.110
1547520000	BVFL 7.62HP/04/180 SN BK BX	0.172
1547530000	BVFL 7.62HP/04/180F SN BK BX	0.173
1547540000	BVFL 7.62HP/04/180MF3 SN BK BX	0.175
1547550000	SVFL 7.62HP/04/180G SN BK BX	0.156
1547560000	BVFL 7.62HP/04/180 BCF/04R SN BK BX	0.44
1547570000	SVFL 7.62HP/04/180F SN BK BX	0.157
1547580000	SVFL 7.62HP/04/180MF3 SN BK BX	0.159
1547590000	BVFL 7.62HP/04/180MF4 BCF/04R SN BK BX	0.51
1547600000	BVFL 7.62HP/04/180MSF4 BCF/04R SN BK BX	0.53
1560000000		
1563000000	RSV1,6 ZE36 BK BX	L14
1563000000	RSV1,6 ZE36 BK BX	M.2
1563100000	RSV1,6 ZE24 BK BX	L14
1563100000	RSV1,6 ZE24 BK BX	M.2
1563200000	RSV1,6 ZE18 BK BX	L14
1563200000	RSV1,6 ZE18 BK BX	M.2
1563300000	RSV1,6 ZE12 BK BX	L14
1563300000	RSV1,6 ZE12 BK BX	M.2
1563400000	RSV1,6 ZE09 BK BX	L14
1563400000	RSV1,6 ZE09 BK BX	M.2
1563500000	RSV1,6 ZE06 BK BX	L14
1563500000	RSV1,6 ZE06 BK BX	M.2
1563600000	RSV1,6 ZE04 BK BX	L14
1563600000	RSV1,6 ZE04 BK BX	M.2
1565760000	CSL1,6R14-12 AU,75 I3,5	L16
1565780000	CSL1,6R14-12 SN I3,5	L16
1565790000	CSL1,6R18-16 AU,75 I2,5	L16
1565810000	CSL1,6R18-16 SN I2,5	L16
1565820000	CSL1,6R22-20 AU,75 I2,5	L16
1565840000	CSL1,6R22-20 SN I2,5	L16
1565850000	CSL1,6R22-20 AU,75 I1,8	L16
1565870000	CSL1,6R22-20 SN I1,8	L16
1565880000	CSL1,6R26-24 AU,75 I1,4	L16
1565900000	CSL1,6R26-24 SN I1,4	L16
1567060000	DFFC 0.5-1.0 SN E	K.116
1567070000	DFFC 1.5-2.5 SN E	K.116
1567430000	RSV1,6 KO	L6
1567430000	RSV1,6 KO	L8
1567430000	RSV1,6 KO	L10
1567430000	RSV1,6 KO	L12
1567430000	RSV1,6 KO	L14
1567430000	RSV1,6 KO	M.11
1570000000		
1571110000	SL 5.00/12/90 3.2SN OR BX	K.32
1571130000	SL 5.00/02/90 3.2SN OR BX	K.32
1571140000	SL 5.00/03/90 3.2SN OR BX	K.32
1571150000	SL 5.00/04/90 3.2SN OR BX	K.32
1571160000	SL 5.00/05/90 3.2SN OR BX	K.32
1571170000	SL 5.00/06/90 3.2SN OR BX	K.32
1571180000	SL 5.00/07/90 3.2SN OR BX	K.32
1571190000	SL 5.00/08/90 3.2SN OR BX	K.32
1571200000	SL 5.00/09/90 3.2SN OR BX	K.32
1571210000	SL 5.00/10/90 3.2SN OR BX	K.32
1571220000	SL 5.00/11/90 3.2SN OR BX	K.32
1571720000	SLA BB4 OR	K.92
1571720000	SLA BB4 OR	K.93
1573010000	BLZ/SL KO OR BX	K.22
1573010000	BLZ/SL KO OR BX	K.24
1573010000	BLZ/SL KO OR BX	K.26
1573010000	BLZ/SL KO OR BX	K.28
1573010000	BLZ/SL KO OR BX	K.30
1573010000	BLZ/SL KO OR BX	K.32
1573010000	BLZ/SL KO OR BX	K.34
1573010000	BLZ/SL KO OR BX	K.36
1573010000	BLZ/SL KO OR BX	K.38
1573010000	BLZ/SL KO OR BX	K.40
1573010000	BLZ/SL KO OR BX	K.42
1573010000	BLZ/SL KO OR BX	K.44
1573010000	BLZ/SL KO OR BX	K.46
1573010000	BLZ/SL KO OR BX	K.48
1573010000	BLZ/SL KO OR BX	K.50

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1573010000	BLZ/SL KO OR BX	K.52
1573010000	BLZ/SL KO OR BX	K.54
1573010000	BLZ/SL KO OR BX	K.56
1573010000	BLZ/SL KO OR BX	K.58
1573010000	BLZ/SL KO OR BX	K.60
1573010000	BLZ/SL KO OR BX	K.62
1573010000	BLZ/SL KO OR BX	K.64
1573010000	BLZ/SL KO OR BX	K.66
1573010000	BLZ/SL KO OR BX	K.68
1573010000	BLZ/SL KO OR BX	K.70
1573010000	BLZ/SL KO OR BX	K.72
1573010000	BLZ/SL KO OR BX	K.74
1573010000	BLZ/SL KO OR BX	K.76
1573010000	BLZ/SL KO OR BX	K.78
1573010000	BLZ/SL KO OR BX	K.80
1573010000	BLZ/SL KO OR BX	K.82
1573010000	BLZ/SL KO OR BX	K.84
1573010000	BLZ/SL KO OR BX	K.86
1573010000	BLZ/SL KO OR BX	K.88
1573010000	BLZ/SL KO OR BX	K.90
1573010000	BLZ/SL KO OR BX	K.92
1573010000	BLZ/SL KO OR BX	K.93
1573010000	BLZ/SL KO OR BX	K.94
1573010000	BLZ/SL KO OR BX	K.96
1573010000	BLZ/SL KO OR BX	K.98
1573010000	BLZ/SL KO OR BX	K.100
1573010000	BLZ/SL KO OR BX	K.102
1573010000	BLZ/SL KO OR BX	K.104
1573010000	BLZ/SL KO OR BX	K.106
1573010000	BLZ/SL KO OR BX	K.108
1573010000	BLZ/SL KO OR BX	K.110
1573010000	BLZ/SL KO OR BX	K.112
1573010000	BLZ/SL KO OR BX	K.114
1573010000	BLZ/SL KO OR BX	K.116
1573010000	BLZ/SL KO OR BX	K.118
1573010000	BLZ/SL KO OR BX	K.120
1573010000	BLZ/SL KO OR BX	M.11
1573010000	BLZ/SL KO OR BX	0.60
1573010000	BLZ/SL KO OR BX	0.62
1573010000	BLZ/SL KO OR BX	0.102
1573010000	BLZ/SL KO OR BX	0.104
1573010000	BLZ/SL KO OR BX	0.106
1573010000	BLZ/SL KO OR BX	0.108
1573010000	BLZ/SL KO OR BX	0.110
1577980000	BLAT ZE04 OR BX	K.104
1577980000	BLAT ZE04 OR BX	M.2
1578010000	BLAT ZE08 OR BX	K.104
1578010000	BLAT ZE08 OR BX	M.2
1580000000		
1580100000	SL FLA 1.5/1	K.22
1580100000	SL FLA 1.5/1	K.24
1580100000	SL FLA 1.5/1	K.32
1580100000	SL FLA 1.5/1	K.50
1580100000	SL FLA 1.5/1	K.52
1580100000	SL FLA 1.5/1	K.54
1580100000	SL FLA 1.5/1	K.68
1580100000	SL FLA 1.5/1	K.70
1580100000	SL FLA 1.5/1	M.9
1580110000	SL FLA 3.8/1	K.22
1580110000	SL FLA 3.8/1	K.24
1580110000	SL FLA 3.8/1	K.32
1580110000	SL FLA 3.8/1	K.50
1580110000	SL FLA 3.8/1	K.52
1580110000	SL FLA 3.8/1	K.54
1580110000	SL FLA 3.8/1	K.68
1580110000	SL FLA 3.8/1	K.70
1580110000	SL FLA 3.8/1	M.9
1580120000	SL FLA 9.0/1	K.22
1580120000	SL FLA 9.0/1	K.24
1580120000	SL FLA 9.0/1	K.32
1580120000	SL FLA 9.0/1	K.50
1580120000	SL FLA 9.0/1	K.52
1580120000	SL FLA 9.0/1	K.54
1580120000	SL FLA 9.0/1	K.68
1580120000	SL FLA 9.0/1	K.70
1580120000	SL FLA 9.0/1	M.9
1580860000	SL 5.00/02/90B 3.2SN OR BX	K.33
1580870000	SL 5.00/03/90B 3.2SN OR BX	K.33
1580880000	SL 5.00/04/90B 3.2SN OR BX	K.33
1580890000	SL 5.00/05/90B 3.2SN OR BX	K.33
1580900000	SL 5.00/06/90B 3.2SN OR BX	K.33
1580910000	SL 5.00/07/90B 3.2SN OR BX	K.33
1580920000	SL 5.00/08/90B 3.2SN OR BX	K.33
1580930000	SL 5.00/09/90B 3.2SN OR BX	K.33
1580940000	SL 5.00/10/90B 3.2SN OR BX	K.33
1580950000	SL 5.00/11/90B 3.2SN OR BX	K.33
1580960000	SL 5.00/12/90B 3.2SN OR BX	K.33
1581320000	SL 5.00/02/180 3.2SN OR BX	K.34
1581330000	SL 5.00/03/180 3.2SN OR BX	K.34
1581340000	SL 5.00/04/180 3.2SN OR BX	K.34
1581350000	SL 5.00/05/180 3.2SN OR BX	K.34
1581360000	SL 5.00/06/180 3.2SN OR BX	K.34
1581370000	SL 5.00/07/180 3.2SN OR BX	K.34
1581380000	SL 5.00/08/180 3.2SN OR BX	K.34
1581390000	SL 5.00/09/180 3.2SN OR BX	K.34
1581400000	SL 5.00/10/180 3.2SN OR BX	K.34
1581410000	SL 5.00/11/180 3.2SN OR BX	K.34

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1581420000	SL 5.00/12/180 3.2SN OR BX	K.34
1581780000	SL 5.00/02/180B 3.2SN OR BX	K.35
1581790000	SL 5.00/03/180B 3.2SN OR BX	K.35
1581800000	SL 5.00/04/180B 3.2SN OR BX	K.35
1581810000	SL 5.00/05/180B 3.2SN OR BX	K.35
1581820000	SL 5.00/06/180B 3.2SN OR BX	K.35
1581830000	SL 5.00/07/180B 3.2SN OR BX	K.35
1581840000	SL 5.00/08/180B 3.2SN OR BX	K.35
1581850000	SL 5.00/09/180B 3.2SN OR BX	K.35
1581860000	SL 5.00/10/180B 3.2SN OR BX	K.35
1581870000	SL 5.00/11/180B 3.2SN OR BX	K.35
1581880000	SL 5.00/12/180B 3.2SN OR BX	K.35
1582250000	CS1,6E18-16 AU,75 I3,5	L16
1582260000	CS1,6R18-16 AU,75 I3,5	L16
1582270000	CS1,6E18-16 SN I3,5	L16
1582280000	CS1,6R18-16 SN I3,5	L16
1582290000	CS1,6E14-12 AU,75 I4,2	L16
1582300000	CS1,6R14-12 AU,75 I4,2	L16
1582310000	CS1,6E14-12 SN I4,2	L16
1582320000	CS1,6R14-12 SN I4,2	L16
1582330000	CSL1,6E18-16 AU,75 I3,5	L16
1582340000	CSL1,6R18-16 AU,75 I3,5	L16
1582350000	CSL1,6E18-16 SN I3,5	L16
1582360000	CSL1,6R18-16 SN I3,5	L16
1582370000	CSL1,6E14-12 AU,75 I4,2	L16
1582380000	CSL1,6R14-12 AU,75 I4,2	L16
1582390000	CSL1,6E14-12 SN I4,2	L16
1582400000	CSL1,6R14-12 SN I4,2	L16
1582410000	CB1,6E18-16 AU,75 I3,5	L16
1582420000	CB1,6R18-16 AU,75 I3,5	L16
1582430000	CB1,6E18-16 SN I3,5	L16
1582440000	CB1,6R18-16 SN I3,5	L16
1582450000	CB1,6E14-12 AU,75 I4,2	L16
1582460000	CB1,6R14-12 AU,75 I4,2	L16
1582470000	CB1,6E14-12 SN I4,2	L16
1582480000	CB1,6R14-12 SN I4,2	L16
1582910000	RSV1,6 RF4/35X7.5 SW	L14
1582910000	RSV1,6 RF4/35X7.5 SW	M.3
1582920000	RSV1,6 RF6/35X7.5 SW	L14
1582920000	RSV1,6 RF6/35X7.5 SW	M.3
1582930000	RSV1,6 RF9/35X7.5 SW	L14
1582930000	RSV1,6 RF9/35X7.5 SW	M.3
1582940000	RSV1,6 RF12/35X7.5 SW	L14
1582940000	RSV1,6 RF12/35X7.5 SW	M.3
1582950000	RSV1,6 RF18/35X7.5 SW	L14
1582950000	RSV1,6 RF18/35X7.5 SW	M.3
1582960000	RSV1,6 RF24/35X7.5 SW	L14
1582960000	RSV1,6 RF24/35X7.5 SW	M.3
1582970000	RSV1,6 RF36/35X7.5 SW	L14
1582970000	RSV1,6 RF36/35X7.5 SW	M.3
1590000000		
1593450000	SLA BB12R OR	M.6
1594200000	SLA BB14 OR	K.76
1594200000	SLA BB14 OR	M.7
1597210000	SL 3.50/02/90 3.2SN OR BX	I.36
1597220000	SL 3.50/03/90 3.2SN OR BX	I.36
1597230000	SL 3.50/04/90 3.2SN OR BX	I.36
1597240000	SL 3.50/05/90 3.2SN OR BX	I.36
1597250000	SL 3.50/06/90 3.2SN OR BX	I.36
1597260000	SL 3.50/07/90 3.2SN OR BX	I.36
1597270000	SL 3.50/08/90 3.2SN OR BX	I.36
1597280000	SL 3.50/09/90 3.2SN OR BX	I.36
1597290000	SL 3.50/10/90 3.2SN OR BX	I.36
1597300000	SL 3.50/11/90 3.2SN OR BX	I.36
1597310000	SL 3.50/12/90 3.2SN OR BX	I.36
1597360000	BL 3.50/02/180 SN OR BX	I.48
1597370000	BL 3.50/03/180 SN OR BX	I.48
1597380000	BL 3.50/04/180 SN OR BX	I.48
1597390000	BL 3.50/05/180 SN OR BX	I.48
1597400000	BL 3.50/06/180 SN OR BX	I.48
1597410000	BL 3.50/07/180 SN OR BX	I.48
1597420000	BL 3.50/08/180 SN OR BX	I.48
1597430000	BL 3.50/09/180 SN OR BX	I.48
1597440000	BL 3.50/10/180 SN OR BX	I.48
1597450000	BL 3.50/11/180 SN OR BX	I.48
1597460000	BL 3.50/12/180 SN OR BX	I.48
1597510000	SL 3.5 FLA 1.5/8	I.30
1597510000	SL 3.5 FLA 1.5/8	I.32
1597510000	SL 3.5 FLA 1.5/8	I.36
1597510000	SL 3.5 FLA 1.5/8	M.8
1597520000	SL 3.5 FLA 2.3/8	I.30
1597520000	SL 3.5 FLA 2.3/8	I.32
1597520000	SL 3.5 FLA 2.3/8	I.36
1597520000	SL 3.5 FLA 2.3/8	M.8
1597530000	SL 3.5 FLA 4.0/8	I.30
1597530000	SL 3.5 FLA 4.0/8	I.32
1597530000	SL 3.5 FLA 4.0/8	I.36
1597530000	SL 3.5 FLA 4.0/8	M.8
1597630000	SL 3.5 FLA 1.5/1.75/8	I.30
1597630000	SL 3.5 FLA 1.5/1.75/8	I.32
1597630000	SL 3.5 FLA 1.5/1.75/8	I.36
1597630000	SL 3.5 FLA 1.5/1.75/8	M.8
1597640000	SL 3.5 FLA 2.3/1.75/8	I.30
1597640000	SL 3.5 FLA 2.3/1.75/8	I.32
1597640000	SL 3.5 FLA 2.3/1.75/8	I.36
1597640000	SL 3.5 FLA 2.3/1.75/8	M.8
1597650000	SL 3.5 FLA 4.0/1.75/8	I.30

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1597650000	SL 3.5 FLA 4.0/1.75/8	I.32
1597650000	SL 3.5 FLA 4.0/1.75/8	I.36
1597650000	SL 3.5 FLA 4.0/1.75/8	M.8
1598300000	SL AT OR	K.22
1598300000	SL AT OR	K.24
1598300000	SL AT OR	K.26
1598300000	SL AT OR	K.28
1598300000	SL AT OR	K.30
1598300000	SL AT OR	K.32
1598300000	SL AT OR	K.34
1598300000	SL AT OR	K.36
1598300000	SL AT OR	K.38
1598300000	SL AT OR	K.50
1598300000	SL AT OR	K.52
1598300000	SL AT OR	K.54
1598300000	SL AT OR	K.56
1598300000	SL AT OR	K.58
1598300000	SL AT OR	K.60
1598300000	SL AT OR	K.62
1598300000	SL AT OR	K.64
1598300000	SL AT OR	K.66
1598300000	SL AT OR	K.68
1598300000	SL AT OR	K.70
1598300000	SL AT OR	K.72
1598300000	SL AT OR	K.74
1598300000	SL AT OR	K.76
1598300000	SL AT OR	K.78
1598300000	SL AT OR	K.80
1598300000	SL AT OR	K.82
1598300000	SL AT OR	K.86
1598300000	SL AT OR	K.90
1598300000	SL AT OR	K.92
1598300000	SL AT OR	K.93
1598300000	SL AT OR	M.11
1599120000	SLDF VR BK	K.80
1599120000	SLDF VR BK	M.5
1599130000	SLDF 5.08 L/F 2 SN OR BX	K.80
1599140000	SLDF 5.08 L/F 3 SN OR BX	K.80
1599150000	SLDF 5.08 L/F 4 SN OR BX	K.80
1599160000	SLDF 5.08 L/F 5 SN OR BX	K.80
1599170000	SLDF 5.08 L/F 6 SN OR BX	K.80
1599180000	SLDF 5.08 L/F 7 SN OR BX	K.80
1599190000	SLDF 5.08 L/F 8 SN OR BX	K.80
1599200000	SLDF 5.08 L/F 9 SN OR BX	K.80
1599210000	SLDF 5.08 L/F 10 SN OR BX	K.80
1599220000	SLDF 5.08 L/F 11 SN OR BX	K.80
1599230000	SLDF 5.08 L/F 12 SN OR BX	K.80

1600000000

1601790000	SLD 5.08/04/90G 3.2SN OR BX	K.78
1601800000	SLD 5.08/06/90G 3.2SN OR BX	K.78
1601810000	SLD 5.08/08/90G 3.2SN OR BX	K.78
1601820000	SLD 5.08/10/90G 3.2SN OR BX	K.78
1601830000	SLD 5.08/12/90G 3.2SN OR BX	K.78
1601840000	SLD 5.08/14/90G 3.2SN OR BX	K.78
1601850000	SLD 5.08/16/90G 3.2SN OR BX	K.78
1601860000	SLD 5.08/18/90G 3.2SN OR BX	K.78
1601870000	SLD 5.08/20/90G 3.2SN OR BX	K.78
1601880000	SLD 5.08/22/90G 3.2SN OR BX	K.78
1601890000	SLD 5.08/24/90G 3.2SN OR BX	K.78
1602390000	SLD 5.08/04/180G 3.2SN OR BX	K.79
1602400000	SLD 5.08/06/180G 3.2SN OR BX	K.79
1602410000	SLD 5.08/08/180G 3.2SN OR BX	K.79
1602420000	SLD 5.08/10/180G 3.2SN OR BX	K.79
1602430000	SLD 5.08/12/180G 3.2SN OR BX	K.79
1602440000	SLD 5.08/14/180G 3.2SN OR BX	K.79
1602450000	SLD 5.08/16/180G 3.2SN OR BX	K.79
1602460000	SLD 5.08/18/180G 3.2SN OR BX	K.79
1602470000	SLD 5.08/20/180G 3.2SN OR BX	K.79
1602480000	SLD 5.08/22/180G 3.2SN OR BX	K.79
1602490000	SLD 5.08/24/180G 3.2SN OR BX	K.79
1604120000	SLA BB11R OR	K.32
1604120000	SLA BB11R OR	K.34
1604120000	SLA BB11R OR	K.68
1604120000	SLA BB11R OR	K.72
1604120000	SLA BB11R OR	K.90
1604120000	SLA BB11R OR	K.118
1604120000	SLA BB11R OR	K.120
1604120000	SLA BB11R OR	M.6
1604230000	DFFC 0.22-0.35 SN 3000	K.116
1604250000	DFFC 0.22-0.35 SN E	K.116
1604470000	SL 3.50/02/180G 3.2SN OR BX	I.39
1604480000	SL 3.50/03/180G 3.2SN OR BX	I.39
1604490000	SL 3.50/04/180G 3.2SN OR BX	I.39
1604500000	SL 3.50/05/180G 3.2SN OR BX	I.39
1604510000	SL 3.50/06/180G 3.2SN OR BX	I.39
1604520000	SL 3.50/07/180G 3.2SN OR BX	I.39
1604530000	SL 3.50/08/180G 3.2SN OR BX	I.39
1604540000	SL 3.50/09/180G 3.2SN OR BX	I.39
1604550000	SL 3.50/10/180G 3.2SN OR BX	I.39
1604560000	SL 3.50/11/180G 3.2SN OR BX	I.39
1604570000	SL 3.50/12/180G 3.2SN OR BX	I.39
1604770000	SL 3.50/02/180 3.2SN OR BX	I.38
1604780000	SL 3.50/03/180 3.2SN OR BX	I.38
1604790000	SL 3.50/04/180 3.2SN OR BX	I.38
1604800000	SL 3.50/05/180 3.2SN OR BX	I.38
1604810000	SL 3.50/06/180 3.2SN OR BX	I.38
1604820000	SL 3.50/07/180 3.2SN OR BX	I.38
1604830000	SL 3.50/08/180 3.2SN OR BX	I.38
1604840000	SL 3.50/09/180 3.2SN OR BX	I.38
1604850000	SL 3.50/10/180 3.2SN OR BX	I.38
1604860000	SL 3.50/11/180 3.2SN OR BX	I.38
1604870000	SL 3.50/12/180 3.2SN OR BX	I.38
1605070000	SL 3.50/02/90G 3.2SN OR BX	I.37
1605080000	SL 3.50/03/90G 3.2SN OR BX	I.37
1605090000	SL 3.50/04/90G 3.2SN OR BX	I.37
1605100000	SL 3.50/05/90G 3.2SN OR BX	I.37
1605110000	SL 3.50/06/90G 3.2SN OR BX	I.37
1605120000	SL 3.50/07/90G 3.2SN OR BX	I.37
1605130000	SL 3.50/08/90G 3.2SN OR BX	I.37
1605140000	SL 3.50/09/90G 3.2SN OR BX	I.37
1605150000	SL 3.50/10/90G 3.2SN OR BX	I.37
1605160000	SL 3.50/11/90G 3.2SN OR BX	I.37
1605170000	SL 3.50/12/90G 3.2SN OR BX	I.37
1606450000	SL 135 BB15R OR	K.36
1606450000	SL 135 BB15R OR	M.7
1606640000	BL 3.50/02/180F SN OR BX	I.49
1606650000	BL 3.50/03/180F SN OR BX	I.49
1606660000	BL 3.50/04/180F SN OR BX	I.49
1606670000	BL 3.50/05/180F SN OR BX	I.49
1606680000	BL 3.50/06/180F SN OR BX	I.49
1606690000	BL 3.50/07/180F SN OR BX	I.49
1606700000	BL 3.50/08/180F SN OR BX	I.49
1606710000	BL 3.50/09/180F SN OR BX	I.49
1606720000	BL 3.50/10/180F SN OR BX	I.49
1606730000	BL 3.50/11/180F SN OR BX	I.49
1606740000	BL 3.50/12/180F SN OR BX	I.49
1607040000	SL 3.50/02/90F 3.2SN OR BX	I.37
1607050000	SL 3.50/03/90F 3.2SN OR BX	I.37
1607060000	SL 3.50/04/90F 3.2SN OR BX	I.37
1607070000	SL 3.50/05/90F 3.2SN OR BX	I.37
1607080000	SL 3.50/06/90F 3.2SN OR BX	I.37
1607090000	SL 3.50/07/90F 3.2SN OR BX	I.37
1607100000	SL 3.50/08/90F 3.2SN OR BX	I.37
1607110000	SL 3.50/09/90F 3.2SN OR BX	I.37
1607120000	SL 3.50/10/90F 3.2SN OR BX	I.37
1607130000	SL 3.50/11/90F 3.2SN OR BX	I.37
1607140000	SL 3.50/12/90F 3.2SN OR BX	I.37
1607500000	SL 3.50/02/180F 3.2SN OR BX	I.39
1607510000	SL 3.50/03/180F 3.2SN OR BX	I.39
1607520000	SL 3.50/04/180F 3.2SN OR BX	I.39
1607530000	SL 3.50/05/180F 3.2SN OR BX	I.39
1607540000	SL 3.50/06/180F 3.2SN OR BX	I.39
1607550000	SL 3.50/07/180F 3.2SN OR BX	I.39
1607560000	SL 3.50/08/180F 3.2SN OR BX	I.39
1607570000	SL 3.50/09/180F 3.2SN OR BX	I.39
1607580000	SL 3.50/10/180F 3.2SN OR BX	I.39
1607590000	SL 3.50/11/180F 3.2SN OR BX	I.39
1607600000	SL 3.50/12/180F 3.2SN OR BX	I.39
1609801044	DEK 5/5 MC NE WS	N.18
1609801044	DEK 5/5 MC NE WS	N.19
1609801044	DEK 5/5 MC NE WS	N.20
1609801044	DEK 5/5 MC NE WS	N.21
1609801044	DEK 5/5 MC NE WS	N.22
1609801044	DEK 5/5 MC NE WS	N.24
1609801044	DEK 5/5 MC NE WS	Q.12
1609801044	DEK 5/5 MC NE WS	Q.14
1609801044	DEK 5/5 MC NE WS	Q.16
1609801044	DEK 5/5 MC NE WS	Q.18
1609801044	DEK 5/5 MC NE WS	Q.20
1609801044	DEK 5/5 MC NE WS	Q.22
1609801044	DEK 5/5 MC NE WS	Q.24
1609820000	DEK 5/6 MC NE WS	Q.12
1609820000	DEK 5/6 MC NE WS	Q.14
1609820000	DEK 5/6 MC NE WS	Q.16
1609820000	DEK 5/6 MC NE WS	Q.18
1609820000	DEK 5/6 MC NE WS	Q.20
1609820000	DEK 5/6 MC NE WS	Q.22
1609820000	DEK 5/6 MC NE WS	Q.24
1609860000	WS 12/5 MC NE WS	S.51

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1610100000	BL SL 3.5 KO SW	I.30
1610100000	BL SL 3.5 KO SW	I.32
1610100000	BL SL 3.5 KO SW	I.34
1610100000	BL SL 3.5 KO SW	I.36
1610100000	BL SL 3.5 KO SW	I.38
1610100000	BL SL 3.5 KO SW	I.40
1610100000	BL SL 3.5 KO SW	I.41
1610100000	BL SL 3.5 KO SW	I.42
1610100000	BL SL 3.5 KO SW	I.44
1610100000	BL SL 3.5 KO SW	I.46
1610100000	BL SL 3.5 KO SW	I.48
1610100000	BL SL 3.5 KO SW	I.50
1610100000	BL SL 3.5 KO SW	I.54
1610100000	BL SL 3.5 KO SW	I.56
1610100000	BL SL 3.5 KO SW	I.58
1610100000	BL SL 3.5 KO SW	I.60
1610100000	BL SL 3.5 KO SW	I.62
1610100000	BL SL 3.5 KO SW	M.10
1610490000	BLC 5.08/02/180R OR BX	K.116
1610500000	BLC 5.08/03/180R OR BX	K.116
1610510000	BLC 5.08/04/180R OR BX	K.116
1610520000	BLC 5.08/05/180R OR BX	K.116
1610530000	BLC 5.08/06/180R OR BX	K.116
1610540000	BLC 5.08/07/180R OR BX	K.116
1610550000	BLC 5.08/08/180R OR BX	K.116
1610560000	BLC 5.08/09/180R OR BX	K.116
1610570000	BLC 5.08/10/180R OR BX	K.116
1610580000	BLC 5.08/11/180R OR BX	K.116
1610590000	BLC 5.08/12/180R OR BX	K.116
1610740000	PTSC KA 2.2X4.5 WN1412	I.14
1610740000	PTSC KA 2.2X4.5 WN1412	I.16
1610740000	PTSC KA 2.2X4.5 WN1412	I.30
1610740000	PTSC KA 2.2X4.5 WN1412	I.36
1610740000	PTSC KA 2.2X4.5 WN1412	I.38
1610740000	PTSC KA 2.2X4.5 WN1412	J.18
1610740000	PTSC KA 2.2X4.5 WN1412	J.24
1610740000	PTSC KA 2.2X4.5 WN1412	J.28
1610740000	PTSC KA 2.2X4.5 WN1412	J.36
1610740000	PTSC KA 2.2X4.5 WN1412	J.42
1614350000	SLD 5.00/04/90G 3.2 SN OR BX	K.38
1614360000	SLD 5.00/06/90G 3.2 SN OR BX	K.38
1614370000	SLD 5.00/08/90G 3.2 SN OR BX	K.38
1614380000	SLD 5.00/10/90G 3.2 SN OR BX	K.38
1614390000	SLD 5.00/12/90G 3.2 SN OR BX	K.38
1614400000	SLD 5.00/14/90G 3.2 SN OR BX	K.38
1614410000	SLD 5.00/16/90G 3.2 SN OR BX	K.38
1614420000	SLD 5.00/18/90G 3.2 SN OR BX	K.38
1614430000	SLD 5.00/20/90G 3.2 SN OR BX	K.38
1614440000	SLD 5.00/22/90G 3.2 SN OR BX	K.38
1614450000	SLD 5.00/24/90G 3.2 SN OR BX	K.38
1614810000	SLD 5.00/04/180G 3.2SN OR BX	K.39
1614820000	SLD 5.00/06/180G 3.2SN OR BX	K.39
1614830000	SLD 5.00/08/180G 3.2SN OR BX	K.39
1614840000	SLD 5.00/10/180G 3.2SN OR BX	K.39
1614850000	SLD 5.00/12/180G 3.2SN OR BX	K.39
1614860000	SLD 5.00/14/180G 3.2SN OR BX	K.39
1614870000	SLD 5.00/16/180G 3.2SN OR BX	K.39
1614880000	SLD 5.00/18/180G 3.2SN OR BX	K.39
1614890000	SLD 5.00/20/180G 3.2SN OR BX	K.39
1614900000	SLD 5.00/22/180G 3.2SN OR BX	K.39
1614910000	SLD 5.00/24/180G 3.2SN OR BX	K.39

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1622940000	BLL 5.08/02/90 3.2 SN OR BX	K.118
1622950000	BLL 5.08/03/90 3.2 SN OR BX	K.118
1622960000	BLL 5.08/04/90 3.2 SN OR BX	K.118
1622970000	BLL 5.08/05/90 3.2 SN OR BX	K.118
1622980000	BLL 5.08/06/90 3.2 SN OR BX	K.118
1622990000	BLL 5.08/07/90 3.2 SN OR BX	K.118
1623000000	BLL 5.08/08/90 3.2 SN OR BX	K.118
1623010000	BLL 5.08/09/90 3.2 SN OR BX	K.118
1623020000	BLL 5.08/10/90 3.2 SN OR BX	K.118
1623030000	BLL 5.08/11/90 3.2 SN OR BX	K.118
1623040000	BLL 5.08/12/90 3.2 SN OR BX	K.118
1626880000	SLA BB12R SW	M.6
1627090000	SLS 5.08/02/180 SN OR BX	K.90
1627100000	SLS 5.08/03/180 SN OR BX	K.90
1627110000	SLS 5.08/04/180 SN OR BX	K.90
1627120000	SLS 5.08/05/180 SN OR BX	K.90
1627130000	SLS 5.08/06/180 SN OR BX	K.90
1627140000	SLS 5.08/07/180 SN OR BX	K.90
1627150000	SLS 5.08/08/180 SN OR BX	K.90
1627160000	SLS 5.08/09/180 SN OR BX	K.90
1627170000	SLS 5.08/10/180 SN OR BX	K.90
1627180000	SLS 5.08/11/180 SN OR BX	K.90
1627190000	SLS 5.08/12/180 SN OR BX	K.90
1627240000	SLS 5.08/02/180B SN OR BX	K.91
1627250000	SLS 5.08/03/180B SN OR BX	K.91
1627260000	SLS 5.08/04/180B SN OR BX	K.91
1627270000	SLS 5.08/05/180B SN OR BX	K.91
1627280000	SLS 5.08/06/180B SN OR BX	K.91
1627290000	SLS 5.08/07/180B SN OR BX	K.91
1627300000	SLS 5.08/08/180B SN OR BX	K.91
1627310000	SLS 5.08/09/180B SN OR BX	K.91
1627320000	SLS 5.08/10/180B SN OR BX	K.91
1627330000	SLS 5.08/11/180B SN OR BX	K.91
1627340000	SLS 5.08/12/180B SN OR BX	K.91
1627820000	BL 3.50 ZE03 BK BX	I.12
1627820000	BL 3.50 ZE03 BK BX	I.48
1629680000	BL 3.50 ZE03 OR BX	I.12
1629680000	BL 3.50 ZE03 OR BX	I.48
1629690000	BL 3.50 ZE08 OR BX	I.12
1629690000	BL 3.50 ZE08 OR BX	I.48

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1630250000	SL 5.00/02/135 3.2SN OR BX	K.36
1630260000	SL 5.00/03/135 3.2SN OR BX	K.36
1630270000	SL 5.00/04/135 3.2SN OR BX	K.36
1630280000	SL 5.00/05/135 3.2SN OR BX	K.36
1630290000	SL 5.00/06/135 3.2SN OR BX	K.36
1630300000	SL 5.00/07/135 3.2SN OR BX	K.36
1630310000	SL 5.00/08/135 3.2SN OR BX	K.36
1630320000	SL 5.00/09/135 3.2SN OR BX	K.36
1630330000	SL 5.00/10/135 3.2SN OR BX	K.36
1630340000	SL 5.00/11/135 3.2SN OR BX	K.36
1630350000	SL 5.00/12/135 3.2SN OR BX	K.36
1630480000	SL 5.00/02/135B 3.2SN OR BX	K.37
1630490000	SL 5.00/03/135B 3.2SN OR BX	K.37
1630500000	SL 5.00/04/135B 3.2SN OR BX	K.37
1630510000	SL 5.00/05/135B 3.2SN OR BX	K.37
1630520000	SL 5.00/06/135B 3.2SN OR BX	K.37
1630530000	SL 5.00/07/135B 3.2SN OR BX	K.37
1630540000	SL 5.00/08/135B 3.2SN OR BX	K.37
1630550000	SL 5.00/09/135B 3.2SN OR BX	K.37
1630560000	SL 5.00/10/135B 3.2SN OR BX	K.37
1630570000	SL 5.00/11/135B 3.2SN OR BX	K.37
1630580000	SL 5.00/12/135B 3.2SN OR BX	K.37
1630710000	BLL 5.08/02/180 3.2 SN OR BX	K.120
1630720000	BLL 5.08/03/180 3.2 SN OR BX	K.120
1630730000	BLL 5.08/04/180 3.2 SN OR BX	K.120
1630740000	BLL 5.08/05/180 3.2 SN OR BX	K.120
1630750000	BLL 5.08/06/180 3.2 SN OR BX	K.120
1630760000	BLL 5.08/07/180 3.2 SN OR BX	K.120
1630770000	BLL 5.08/08/180 3.2 SN OR BX	K.120
1630780000	BLL 5.08/09/180 3.2 SN OR BX	K.120
1630790000	BLL 5.08/10/180 3.2 SN OR BX	K.120
1630800000	BLL 5.08/11/180 3.2 SN OR BX	K.120
1630810000	BLL 5.08/12/180 3.2 SN OR BX	K.120
1633580000	SLD 3.50/04/90G 3.2SN OR BX	I.42
1633590000	SLD 3.50/06/90G 3.2SN OR BX	I.42
1633600000	SLD 3.50/08/90G 3.2SN OR BX	I.42
1633610000	SLD 3.50/10/90G 3.2SN OR BX	I.42
1633620000	SLD 3.50/12/90G 3.2SN OR BX	I.42
1633630000	SLD 3.50/14/90G 3.2SN OR BX	I.42
1633640000	SLD 3.50/16/90G 3.2SN OR BX	I.42
1633650000	SLD 3.50/18/90G 3.2SN OR BX	I.42
1633660000	SLD 3.50/20/90G 3.2SN OR BX	I.42
1633670000	SLD 3.50/22/90G 3.2SN OR BX	I.42
1633680000	SLD 3.50/24/90G 3.2SN OR BX	I.42
1633810000	SLD 3.50/04/90F 3.2SN OR BX	I.43
1633820000	SLD 3.50/06/90F 3.2SN OR BX	I.43
1633830000	SLD 3.50/08/90F 3.2SN OR BX	I.43
1633840000	SLD 3.50/10/90F 3.2SN OR BX	I.43
1633850000	SLD 3.50/12/90F 3.2SN OR BX	I.43
1633860000	SLD 3.50/14/90F 3.2SN OR BX	I.43
1633870000	SLD 3.50/16/90F 3.2SN OR BX	I.43
1633880000	SLD 3.50/18/90F 3.2SN OR BX	I.43
1633890000	SLD 3.50/20/90F 3.2SN OR BX	I.43
1633900000	SLD 3.50/22/90F 3.2SN OR BX	I.43
1633910000	SLD 3.50/24/90F 3.2SN OR BX	I.43
1635000000	WS 10/5 MC NE WS	S.51
1636370000	SL 135 BB15R SW	K.36
1636370000	SL 135 BB15R SW	M.7
1636670000	SL FLA 2,3/1	K.22
1636670000	SL FLA 2,3/1	K.24
1636670000	SL FLA 2,3/1	K.32
1636670000	SL FLA 2,3/1	K.50
1636670000	SL FLA 2,3/1	K.52
1636670000	SL FLA 2,3/1	K.54
1636670000	SL FLA 2,3/1	K.68
1636670000	SL FLA 2,3/1	K.70
1636670000	SL FLA 2,3/1	M.9
1636680000	SL FLA 2,3/24	K.22
1636680000	SL FLA 2,3/24	K.24
1636680000	SL FLA 2,3/24	K.32
1636680000	SL FLA 2,3/24	K.50
1636680000	SL FLA 2,3/24	K.52
1636680000	SL FLA 2,3/24	K.54
1636680000	SL FLA 2,3/24	K.68
1636680000	SL FLA 2,3/24	K.70
1636680000	SL FLA 2,3/24	M.9
1638550000	BL 3.50/02/90 SN OR BX	I.50
1638560000	BL 3.50/03/90 SN OR BX	I.50
1638570000	BL 3.50/04/90 SN OR BX	I.50
1638580000	BL 3.50/05/90 SN OR BX	I.50
1638590000	BL 3.50/06/90 SN OR BX	I.50
1638600000	BL 3.50/07/90 SN OR BX	I.50
1638610000	BL 3.50/08/90 SN OR BX	I.50
1638620000	BL 3.50/09/90 SN OR BX	I.50
1638630000	BL 3.50/10/90 SN OR BX	I.50
1638640000	BL 3.50/11/90 SN OR BX	I.50
1638650000	BL 3.50/12/90 SN OR BX	I.50
1639010000	BL 3.50/02/90F SN OR BX	I.51
1639020000	BL 3.50/03/90F SN OR BX	I.51
1639030000	BL 3.50/04/90F SN OR BX	I.51
1639040000	BL 3.50/05/90F SN OR BX	I.51
1639050000	BL 3.50/06/90F SN OR BX	I.51
1639060000	BL 3.50/07/90F SN OR BX	I.51
1639070000	BL 3.50/08/90F SN OR BX	I.51
1639080000	BL 3.50/09/90F SN OR BX	I.51
1639090000	BL 3.50/10/90F SN OR BX	I.51
1639100000	BL 3.50/11/90F SN OR BX	I.51
1639110000	BL 3.50/12/90F SN OR BX	I.51
1639470000	BL 3.50/02/270 SN OR BX	I.51
1639480000	BL 3.50/03/270 SN OR BX	I.51
1639490000	BL 3.50/04/270 SN OR BX	I.51
1639500000	BL 3.50/05/270 SN OR BX	I.51
1639510000	BL 3.50/06/270 SN OR BX	I.51
1639520000	BL 3.50/07/270 SN OR BX	I.51
1639530000	BL 3.50/08/270 SN OR BX	I.51
1639540000	BL 3.50/09/270 SN OR BX	I.51
1639550000	BL 3.50/10/270 SN OR BX	I.51
1639560000	BL 3.50/11/270 SN OR BX	I.51
1639570000	BL 3.50/12/270 SN OR BX	I.51
1639930000	BL 3.50/02/270F SN OR BX	I.51
1639940000	BL 3.50/03/270F SN OR BX	I.51
1639950000	BL 3.50/04/270F SN OR BX	I.51
1639960000	BL 3.50/05/270F SN OR BX	I.51
1639970000	BL 3.50/06/270F SN OR BX	I.51
1639980000	BL 3.50/07/270F SN OR BX	I.51

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1639990000	BL 3.50/08/270F SN OR BX	I.51

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1640000000	BL 3.50/09/270F SN OR BX	I.51
1640010000	BL 3.50/10/270F SN OR BX	I.51
1640020000	BL 3.50/11/270F SN OR BX	I.51
1640030000	BL 3.50/12/270F SN OR BX	I.51
1641110000	SLD 3.50V/04/180G 3.2SN OR BX	I.46
1641120000	SLD 3.50V/08/180G 3.2SN OR BX	I.46
1641130000	SLD 3.50V/12/180G 3.2SN OR BX	I.46
1641140000	SLD 3.50V/16/180G 3.2SN OR BX	I.46
1641150000	SLD 3.50V/20/180G 3.2SN OR BX	I.46
1641160000	SLD 3.50V/24/180G 3.2SN OR BX	I.46
1641240000	SLD 3.50 V/04/180F 3.2 SN OR BX	I.47
1641250000	SLD 3.50 V/08/180F 3.2 SN OR BX	I.47
1641260000	SLD 3.50 V/12/180F 3.2 SN OR BX	I.47
1641270000	SLD 3.50 V/16/180F 3.2 SN OR BX	I.47
1641280000	SLD 3.50 V/20/180F 3.2 SN OR BX	I.47
1641290000	SLD 3.50 V/24/180F 3.2 SN OR BX	I.47
1642240000	SLD 3.50V/04/90G 3.2SN OR BX	I.44
1642250000	SLD 3.50V/08/90G 3.2SN OR BX	I.44
1642260000	SLD 3.50V/12/90G 3.2SN OR BX	I.44
1642270000	SLD 3.50V/16/90G 3.2SN OR BX	I.44
1642280000	SLD 3.50V/20/90G 3.2SN OR BX	I.44
1642290000	SLD 3.50V/24/90G 3.2SN OR BX	I.44
1642370000	SLD 3.50 V/04/90F 3.2 SN OR BX	I.45
1642380000	SLD 3.50 V/08/90F 3.2 SN OR BX	I.45
1642390000	SLD 3.50 V/12/90F 3.2 SN OR BX	I.45
1642400000	SLD 3.50 V/16/90F 3.2 SN OR BX	I.45
1642410000	SLD 3.50 V/20/90F 3.2 SN OR BX	I.45
1642420000	SLD 3.50 V/24/90F 3.2 SN OR BX	I.45
1643330000	SL 3.50/02/135F 3.2SN OR BX	I.40
1643340000	SL 3.50/03/135F 3.2SN OR BX	I.40
1643350000	SL 3.50/04/135F 3.2SN OR BX	I.40
1643360000	SL 3.50/05/135F 3.2SN OR BX	I.40
1643370000	SL 3.50/06/135F 3.2SN OR BX	I.40
1643380000	SL 3.50/07/135F 3.2SN OR BX	I.40
1643390000	SL 3.50/08/135F 3.2SN OR BX	I.40
1643400000	SL 3.50/09/135F 3.2SN OR BX	I.40
1643410000	SL 3.50/10/135F 3.2SN OR BX	I.40
1643420000	SL 3.50/11/135F 3.2SN OR BX	I.40
1643430000	SL 3.50/12/135F 3.2SN OR BX	I.40
1649370000	BLC 5.08/02/180BR OR BX	K.117
1649380000	BLC 5.08/03/180BR OR BX	K.117
1649390000	BLC 5.08/04/180BR OR BX	K.117
1649400000	BLC 5.08/05/180BR OR BX	K.117
1649410000	BLC 5.08/06/180BR OR BX	K.117
1649420000	BLC 5.08/07/180BR OR BX	K.117
1649430000	BLC 5.08/08/180BR OR BX	K.117
1649440000	BLC 5.08/09/180BR OR BX	K.117
1649450000	BLC 5.08/10/180BR OR BX	K.117
1649460000	BLC 5.08/11/180BR OR BX	K.117
1649470000	BLC 5.08/12/180BR OR BX	K.117

1650000000

1652040000	BLZ 5.00 ZE08 OR BX	K.40
1652040000	BLZ 5.00 ZE08 OR BX	M.2
1652050000	BLZ 5.08 ZE08 OR BX	K.82
1652050000	BLZ 5.08 ZE08 OR BX	K.90
1652050000	BLZ 5.08 ZE08 OR BX	K.96
1652050000	BLZ 5.08 ZE08 OR BX	K.106
1652050000	BLZ 5.08 ZE08 OR BX	M.2
1652060000	BLZ 5.00 ZE08 BK BX	K.40
1652060000	BLZ 5.00 ZE08 BK BX	M.2
1652070000	BLZ 5.08 ZE08 BK BX	K.82
1652070000	BLZ 5.08 ZE08 BK BX	K.90
1652070000	BLZ 5.08 ZE08 BK BX	K.96
1652070000	BLZ 5.08 ZE08 BK BX	K.106
1652070000	BLZ 5.08 ZE08 BK BX	M.2
1652100000	BLZ 5.00 ZE04 OR BX	K.40
1652100000	BLZ 5.00 ZE04 OR BX	M.2
1652110000	BLZ 5.08 ZE04 OR BX	K.82
1652110000	BLZ 5.08 ZE04 OR BX	K.90
1652110000	BLZ 5.08 ZE04 OR BX	K.96
1652110000	BLZ 5.08 ZE04 OR BX	K.106
1652110000	BLZ 5.08 ZE04 OR BX	M.2
1652130000	BLZ 5.08 ZE04 BK BX	K.82
1652130000	BLZ 5.08 ZE04 BK BX	K.90
1652130000	BLZ 5.08 ZE04 BK BX	K.96
1652130000	BLZ 5.08 ZE04 BK BX	K.106
1652130000	BLZ 5.08 ZE04 BK BX	M.2

1660000000

1667750000	LM 3.50/02/90 3.2SN OR BX	G.18
1667770000	LM 3.50/03/90 3.2SN OR BX	G.18
1669300000	BL/SL 3.50 VR BK BX	I.30
1669300000	BL/SL 3.50 VR BK BX	I.32
1669300000	BL/SL 3.50 VR BK BX	I.34
1669300000	BL/SL 3.50 VR BK BX	I.36
1669300000	BL/SL 3.50 VR BK BX	I.38
1669300000	BL/SL 3.50 VR BK BX	I.40
1669300000	BL/SL 3.50 VR BK BX	I.41
1669300000	BL/SL 3.50 VR BK BX	I.48
1669300000	BL/SL 3.50 VR BK BX	M.5
1669310000	BL/SL 3.50 VR OR BX	I.30
1669310000	BL/SL 3.50 VR OR BX	I.32

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1669310000	BL/SL 3.50 VR OR BX	I.34
1669310000	BL/SL 3.50 VR OR BX	I.36
1669310000	BL/SL 3.50 VR OR BX	I.38
1669310000	BL/SL 3.50 VR OR BX	I.40
1669310000	BL/SL 3.50 VR OR BX	I.41
1669310000	BL/SL 3.50 VR OR BX	I.48
1669310000	BL/SL 3.50 VR OR BX	M.5
1669650000	SLD 3.50V/22/90G 3.2SN OR BX	I.44
1669660000	SLD 3.50V/22/90F 3.2SN OR BX	I.45

1680000000

1682730000	BLL 5.08/02/180B 3.2SN OR BX	K.121
1682740000	BLL 5.08/03/180B 3.2SN OR BX	K.121
1682750000	BLL 5.08/04/180B 3.2SN OR BX	K.121
1682760000	BLL 5.08/05/180B 3.2SN OR BX	K.121
1682770000	BLL 5.08/06/180B 3.2SN OR BX	K.121
1682780000	BLL 5.08/07/180B 3.2SN OR BX	K.121
1682790000	BLL 5.08/08/180B 3.2SN OR BX	K.121
1682800000	BLL 5.08/09/180B 3.2SN OR BX	K.121
1682810000	BLL 5.08/10/180B 3.2SN OR BX	K.121
1682820000	BLL 5.08/11/180B 3.2SN OR BX	K.121
1682830000	BLL 5.08/12/180B 3.2SN OR BX	K.121

1690000000

1690110000	RSV1,6 RF4/35X15 SW	L.14
1690110000	RSV1,6 RF4/35X15 SW	M.3
1690120000	RSV1,6 RF6/35X15 SW	L.14
1690120000	RSV1,6 RF6/35X15 SW	M.3
1690130000	RSV1,6 RF9/35X15 SW	L.14
1690130000	RSV1,6 RF9/35X15 SW	M.3
1690140000	RSV1,6 RF12/35X15 SW	L.14
1690140000	RSV1,6 RF12/35X15 SW	M.3
1690150000	RSV1,6 RF18/35X15 SW	L.14
1690150000	RSV1,6 RF18/35X15 SW	M.3
1690160000	RSV1,6 RF24/35X15 SW	L.14
1690160000	RSV1,6 RF24/35X15 SW	M.3
1690170000	RSV1,6 RF36/35X15 SW	L.14
1690170000	RSV1,6 RF36/35X15 SW	M.3
1692340000	SLA BB11R SW	K.32
1692340000	SLA BB11R SW	K.34
1692340000	SLA BB11R SW	K.68
1692340000	SLA BB11R SW	K.72
1692340000	SLA BB11R SW	K.90
1692340000	SLA BB11R SW	K.118
1692340000	SLA BB11R SW	K.120
1692340000	SLA BB11R SW	M.6
1693430000	BL SL 3.5 KO OR	I.30
1693430000	BL SL 3.5 KO OR	I.32
1693430000	BL SL 3.5 KO OR	I.34
1693430000	BL SL 3.5 KO OR	I.36
1693430000	BL SL 3.5 KO OR	I.38
1693430000	BL SL 3.5 KO OR	I.40
1693430000	BL SL 3.5 KO OR	I.41
1693430000	BL SL 3.5 KO OR	I.42
1693430000	BL SL 3.5 KO OR	I.44
1693430000	BL SL 3.5 KO OR	I.46
1693430000	BL SL 3.5 KO OR	I.48
1693430000	BL SL 3.5 KO OR	I.50
1693430000	BL SL 3.5 KO OR	I.54
1693430000	BL SL 3.5 KO OR	I.56
1693430000	BL SL 3.5 KO OR	I.58
1693430000	BL SL 3.5 KO OR	I.60
1693430000	BL SL 3.5 KO OR	I.62
1693430000	BL SL 3.5 KO OR	M.10
1699580000	S2L/S2C 3.5 FLA 20/10	I.14
1699580000	S2L/S2C 3.5 FLA 20/10	M.8
1699800000	SCT 4.6/127 C	0.40
1699800000	SCT 4.6/127 C	0.42
1699800000	SCT 4.6/127 C	0.46

1700000000

1703700000	LM2N 3.50/04/90 3.2SN OR BX	G.21
1703710000	LM2N 3.50/06/90 3.2SN OR BX	G.21
1703720000	LM2N 3.50/08/90 3.2SN OR BX	G.21
1703730000	LM2N 3.50/10/90 3.2SN OR BX	G.21
1703740000	LM2N 3.50/12/90 3.2SN OR BX	G.21
1703750000	LM2N 3.50/14/90 3.2SN OR BX	G.21
1703760000	LM2N 3.50/16/90 3.2SN OR BX	G.21
1703770000	LM2N 3.50/18/90 3.2SN OR BX	G.21
1703780000	LM2N 3.50/20/90 3.2SN OR BX	G.21
1703790000	LM2N 3.50/22/90 3.2SN OR BX	G.21
1703800000	LM2N 3.50/24/90 3.2SN OR BX	G.21

1710000000

1714980000	LM 3.50/02/135 3.2SN OR BX	G.19
1715020000	LM 3.50/03/135 3.2SN OR BX	G.19
1715310000	LM 5.00/02/90 3.5SN OR BX	G.22
1715320000	LM 5.00/03/90 3.5SN OR BX	G.22
1715330000	LM 5.00/02/180 3.5SN OR BX	G.23
1715340000	LM 5.00/03/180 3.5SN OR BX	G.23
1715350000	LM 5.00/02/135 3.5SN OR BX	G.23
1715360000	LM 5.00/03/135 3.5SN OR BX	G.23
1716080000	LM 5.08/02/90 3.5SN OR BX	G.24
1716090000	LM 5.08/03/90 3.5SN OR BX	G.24
1716100000	LM 5.08/02/180 3.5SN OR BX	G.25

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1716110000	LM 5.08/03/180 3.5SN OR BX	G.25
1716120000	LM 5.08/02/135 3.5SN OR BX	G.25
1716130000	LM 5.08/03/135 3.5SN OR BX	G.25
1716710000	LM1N 3.50/02/90 3.2SN OR BX	G.20
1716720000	LM1N 3.50/03/90 3.2SN OR BX	G.20

1720000000

1720250000	LM 3.50/05/90 3.2SN OR BX	G.18
1723430000	SLA BB1R OR	M.6
1723440000	SLA BB2R OR	M.6
1723480000	SLA BB1R SW	M.6
1723490000	SLA BB2R SW	M.6
1724680000	LL 9.52/02/90 5.0SN OR BX	G.36
1724690000	LL 9.52/03/90 5.0SN OR BX	G.36
1725170000	SLD 5.08V/04/90 3.2 SN OR BX	K.76
1725180000	SLD 5.08V/06/90 3.2 SN OR BX	K.76
1725190000	SLD 5.08V/08/90 3.2 SN OR BX	K.76
1725200000	SLD 5.08V/10/90 3.2 SN OR BX	K.76
1725210000	SLD 5.08V/12/90 3.2 SN OR BX	K.76
1725220000	SLD 5.08V/14/90 3.2 SN OR BX	K.76
1725230000	SLD 5.08V/16/90 3.2 SN OR BX	K.76
1725240000	SLD 5.08V/18/90 3.2 SN OR BX	K.76
1725250000	SLD 5.08V/20/90 3.2 SN OR BX	K.76
1725260000	SLD 5.08V/22/90 3.2 SN OR BX	K.76
1725270000	SLD 5.08V/24/90 3.2 SN OR BX	K.76
1725650000	SLD 5.08V/04/180 3.2SN OR BX	K.77
1725660000	SLD 5.08V/06/180 3.2SN OR BX	K.77
1725670000	SLD 5.08V/08/180 3.2SN OR BX	K.77
1725680000	SLD 5.08V/10/180 3.2SN OR BX	K.77
1725690000	SLD 5.08V/12/180 3.2SN OR BX	K.77
1725700000	SLD 5.08V/14/180 3.2SN OR BX	K.77
1725710000	SLD 5.08V/16/180 3.2SN OR BX	K.77
1725720000	SLD 5.08V/18/180 3.2SN OR BX	K.77
1725730000	SLD 5.08V/20/180 3.2SN OR BX	K.77
1725740000	SLD 5.08V/22/180 3.2SN OR BX	K.77
1725750000	SLD 5.08V/24/180 3.2SN OR BX	K.77
1727830000	S2L 3.50/06/90G 3.5SN OR BX	I.14
1727840000	S2L 3.50/08/90G 3.5SN OR BX	I.14
1727850000	S2L 3.50/10/90G 3.5SN OR BX	I.14
1727860000	S2L 3.50/12/90G 3.5SN OR BX	I.14
1727870000	S2L 3.50/14/90G 3.5SN OR BX	I.14
1727880000	S2L 3.50/16/90G 3.5SN OR BX	I.14
1727890000	S2L 3.50/18/90G 3.5SN OR BX	I.14
1727900000	S2L 3.50/20/90G 3.5SN OR BX	I.14
1727910000	S2L 3.50/22/90G 3.5SN OR BX	I.14
1727920000	S2L 3.50/24/90G 3.5SN OR BX	I.14
1728470000	S2L 3.50/06/90F 3.5SN OR BX	I.15
1728480000	S2L 3.50/08/90F 3.5SN OR BX	I.15
1728490000	S2L 3.50/10/90F 3.5SN OR BX	I.15
1728500000	S2L 3.50/12/90F 3.5SN OR BX	I.15
1728510000	S2L 3.50/14/90F 3.5SN OR BX	I.15
1728520000	S2L 3.50/16/90F 3.5SN OR BX	I.15
1728530000	S2L 3.50/18/90F 3.5SN OR BX	I.15
1728540000	S2L 3.50/20/90F 3.5SN OR BX	I.15
1728550000	S2L 3.50/22/90F 3.5SN OR BX	I.15
1728560000	S2L 3.50/24/90F 3.5SN OR BX	I.15
1728790000	S2L 3.50/06/180G 3.5SN OR BX	I.16
1728800000	S2L 3.50/08/180G 3.5SN OR BX	I.16
1728810000	S2L 3.50/10/180G 3.5SN OR BX	I.16
1728820000	S2L 3.50/12/180G 3.5SN OR BX	I.16
1728830000	S2L 3.50/14/180G 3.5SN OR BX	I.16
1728840000	S2L 3.50/16/180G 3.5SN OR BX	I.16
1728850000	S2L 3.50/18/180G 3.5SN OR BX	I.16
1728860000	S2L 3.50/20/180G 3.5SN OR BX	I.16
1728870000	S2L 3.50/22/180G 3.5SN OR BX	I.16
1728880000	S2L 3.50/24/180G 3.5SN OR BX	I.16
1729430000	S2L 3.50/06/180F 3.5SN OR BX	I.17
1729440000	S2L 3.50/08/180F 3.5SN OR BX	I.17
1729450000	S2L 3.50/10/180F 3.5SN OR BX	I.17
1729460000	S2L 3.50/12/180F 3.5SN OR BX	I.17
1729470000	S2L 3.50/14/180F 3.5SN OR BX	I.17
1729480000	S2L 3.50/16/180F 3.5SN OR BX	I.17
1729490000	S2L 3.50/18/180F 3.5SN OR BX	I.17
1729500000	S2L 3.50/20/180F 3.5SN OR BX	I.17
1729510000	S2L 3.50/22/180F 3.5SN OR BX	I.17
1729520000	S2L 3.50/24/180F 3.5SN OR BX	I.17

1740000000

1745580000	BL 3.50 AH03 BK BX	I.48
1745580000	BL 3.50 AH03 BK BX	M.4
1745590000	BL 3.50 AH04 BK BX	I.48
1745590000	BL 3.50 AH04 BK BX	M.4
1745600000	BL 3.50 AH05 BK BX	I.48
1745600000	BL 3.50 AH05 BK BX	M.4
1745610000	BL 3.50 AH06 BK BX	I.48
1745610000	BL 3.50 AH06 BK BX	M.4
1745620000	BL 3.50 AH07 BK BX	I.48
1745620000	BL 3.50 AH07 BK BX	M.4
1745630000	BL 3.50 AH08 BK BX	I.48
1745630000	BL 3.50 AH08 BK BX	M.4
1745640000	BL 3.50 AH09 BK BX	I.48
1745640000	BL 3.50 AH09 BK BX	M.4
1745650000	BL 3.50 AH10 BK BX	I.48
1745650000	BL 3.50 AH10 BK BX	M.4
1745660000	BL 3.50 AH11 BK BX	I.48
1745660000	BL 3.50 AH11 BK BX	M.4
1745670000	BL 3.50 AH12 BK BX	I.48

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1745670000	BL 3.50 AH12 BK BX	M.4
1745680000	BL 3.50 AH13 BK BX	I.48
1745690000	BL 3.50 AH14 BK BX	I.48
1745700000	BL 3.50 AH15 BK BX	I.48
1745710000	BL 3.50 AH16 BK BX	I.48

1750000000

1752984002	SL-SMT 3.50/02/180G 1.5SN BK RL	I.35
1752994002	SL-SMT 3.50/03/180G 1.5SN BK RL	I.35
1753004002	SL-SMT 3.50/04/180G 1.5SN BK RL	I.35
1753014002	SL-SMT 3.50/05/180G 1.5SN BK RL	I.35
1753024001	SL-SMT 3.50/06/180G 1.5SN BK RL	I.35
1753034001	SL-SMT 3.50/07/180G 1.5SN BK RL	I.35
1753044001	SL-SMT 3.50/08/180G 1.5SN BK RL	I.35
1753054001	SL-SMT 3.50/09/180G 1.5SN BK RL	I.35
1753064001	SL-SMT 3.50/10/180G 1.5SN BK RL	I.35
1753074001	SL-SMT 3.50/11/180G 1.5SN BK RL	I.35
1758020000	LM2NZF 5.08/20/135 3.5SN OR BX	G.98
1758030000	LM3RZF 5.08/30/135 3.5SN OR BX	G.99
1758040000	LM3RZF 5.08/21/135 3.5SN OR BX	G.99

1760000000

1760490000	PM 5.08/02/90 3.5SN OR BX	G.39
1760500000	PM 5.08/03/90 3.5SN OR BX	G.39
1761544002	SL-SMT 3.50/02/90G 1.5SN BK RL	I.31
1761554002	SL-SMT 3.50/03/90G 1.5SN BK RL	I.31
1761564001	SL-SMT 3.50/04/90G 1.5SN BK RL	I.31
1761574002	SL-SMT 3.50/05/90G 1.5SN BK RL	I.31
1761584001	SL-SMT 3.50/06/90G 1.5SN BK RL	I.31
1761594001	SL-SMT 3.50/07/90G 1.5SN BK RL	I.31
1761604001	SL-SMT 3.50/08/90G 1.5SN BK RL	I.31
1761614001	SL-SMT 3.50/09/90G 1.5SN BK RL	I.31
1761624001	SL-SMT 3.50/10/90G 1.5SN BK RL	I.31
1761634001	SL-SMT 3.50/11/90G 1.5SN BK RL	I.31
1764810000	LM2NZF 5.08/04/135 3.5SN OR BX	G.98
1764820000	LM2NZF 5.08/06/135 3.5SN OR BX	G.98
1764830000	LM2NZF 5.08/08/135 3.5SN OR BX	G.98
1764840000	LM2NZF 5.08/10/135 3.5SN OR BX	G.98
1764850000	LM2NZF 5.08/12/135 3.5SN OR BX	G.98
1764860000	LM2NZF 5.08/14/135 3.5SN OR BX	G.98
1764870000	LM2NZF 5.08/16/135 3.5SN OR BX	G.98
1764880000	LM2NZF 5.08/18/135 3.5SN OR BX	G.98
1764890000	LM2NZF 5.08/22/135 3.5SN OR BX	G.98
1764900000	LM2NZF 5.08/24/135 3.5SN OR BX	G.98
1764910000	LM3RZF 5.08/06/135 3.5SN OR BX	G.99
1764920000	LM3RZF 5.08/09/135 3.5SN OR BX	G.99
1764930000	LM3RZF 5.08/12/135 3.5SN OR BX	G.99
1764940000	LM3RZF 5.08/15/135 3.5SN OR BX	G.99
1764950000	LM3RZF 5.08/18/135 3.5SN OR BX	G.99
1764960000	LM3RZF 5.08/24/135 3.5SN OR BX	G.99
1764970000	LM3RZF 5.08/27/135 3.5SN OR BX	G.99
1764980000	LM3RZF 5.08/33/135 3.5SN OR BX	G.99
1764990000	LM3RZF 5.08/36/135 3.5SN OR BX	G.99
1766300000	LM1N 5.08/02/90 3.5SN OR BX	G.26
1766310000	LM1N 5.08/03/90 3.5SN OR BX	G.26
1766360000	LM1H 5.08/02/90 3.5SN OR BX	G.27
1766370000	LM1H 5.08/03/90 3.5SN OR BX	G.27
1768850000	LM2N 5.08/04/90 3.5SN OR BX	G.28
1768860000	LM2N 5.08/06/90 3.5SN OR BX	G.28
1768870000	LM2N 5.08/08/90 3.5SN OR BX	G.28
1768880000	LM2N 5.08/10/90 3.5SN OR BX	G.28
1768890000	LM2N 5.08/12/90 3.5SN OR BX	G.28
1768900000	LM2N 5.08/14/90 3.5SN OR BX	G.28
1768910000	LM2N 5.08/16/90 3.5SN OR BX	G.28
1768920000	LM2N 5.08/18/90 3.5SN OR BX	G.28
1768930000	LM2N 5.08/20/90 3.5SN OR BX	G.28
1768940000	LM2N 5.08/22/90 3.5SN OR BX	G.28
1768950000	LM2N 5.08/24/90 3.5SN OR BX	G.28
1769240000	LM2H 5.08/04/90 3.5SN OR BX	G.29
1769250000	LM2H 5.08/06/90 3.5SN OR BX	G.29
1769260000	LM2H 5.08/08/90 3.5SN OR BX	G.29
1769270000	LM2H 5.08/10/90 3.5SN OR BX	G.29
1769280000	LM2H 5.08/12/90 3.5SN OR BX	G.29
1769290000	LM2H 5.08/14/90 3.5SN OR BX	G.29
1769300000	LM2H 5.08/16/90 3.5SN OR BX	G.29
1769310000	LM2H 5.08/18/90 3.5SN OR BX	G.29
1769320000	LM2H 5.08/20/90 3.5SN OR BX	G.29
1769330000	LM2H 5.08/22/90 3.5SN OR BX	G.29
1769340000	LM2H 5.08/24/90 3.5SN OR BX	G.29
1769620000	LM3R 5.08/06/90 3.5SN OR BX	G.29
1769630000	LM3R 5.08/09/90 3.5SN OR BX	G.29
1769640000	LM3R 5.08/12/90 3.5SN OR BX	G.29
1769650000	LM3R 5.08/15/90 3.5SN OR BX	G.29
1769660000	LM3R 5.08/18/90 3.5SN OR BX	G.29
1769670000	LM3R 5.08/21/90 3.5SN OR BX	G.29
1769680000	LM3R 5.08/24/90 3.5SN OR BX	G.29
1769690000	LM3R 5.08/27/90 3.5SN OR BX	G.29
1769700000	LM3R 5.08/30/90 3.5SN OR BX	G.29
1769710000	LM3R 5.08/33/90 3.5SN OR BX	G.29
1769720000	LM3R 5.08/36/90 3.5SN OR BX	G.29

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1770240000	SL AT SW	K.22
1770240000	SL AT SW	K.24
1770240000	SL AT SW	K.26
1770240000	SL AT SW	K.28

Order No.	Type	Page
1770240000	SL AT SW	K.30
1770240000	SL AT SW	K.32
1770240000	SL AT SW	K.34
1770240000	SL AT SW	K.36
1770240000	SL AT SW	K.38
1770240000	SL AT SW	K.50
1770240000	SL AT SW	K.52
1770240000	SL AT SW	K.54
1770240000	SL AT SW	K.56
1770240000	SL AT SW	K.58
1770240000	SL AT SW	K.60
1770240000	SL AT SW	K.62
1770240000	SL AT SW	K.64
1770240000	SL AT SW	K.66
1770240000	SL AT SW	K.68
1770240000	SL AT SW	K.70
1770240000	SL AT SW	K.72
1770240000	SL AT SW	K.74
1770240000	SL AT SW	K.76
1770240000	SL AT SW	K.78
1770240000	SL AT SW	K.80
1770240000	SL AT SW	K.82
1770240000	SL AT SW	K.86
1770240000	SL AT SW	K.90
1770240000	SL AT SW	K.92
1770240000	SL AT SW	K.93
1770240000	SL AT SW	M.11
1773400000	RF 180 GR 7032	S.48
1773400000	RF 180 GR 7032	S.49
1774460000	SLA BB14 SW	K.76
1774460000	SLA BB14 SW	M.7
1774470000	WSM TOOL AUTOMATIK	O.40
1774470000	WSM TOOL AUTOMATIK	O.42
1774470000	WSM TOOL AUTOMATIK	O.46
1774784001	SL-SMT 5.08HC/04/90 1.5SN BK RL	K.51
1774794001	SL-SMT 5.08HC/05/90 1.5SN BK RL	K.51
1774804001	SL-SMT 5.08HC/06/90 1.5SN BK RL	K.51
1774814001	SL-SMT 5.08HC/07/90 1.5SN BK RL	K.51
1774824001	SL-SMT 5.08HC/08/90 1.5SN BK RL	K.51
1775014001	SL-SMT 5.08HC/03/90G 1.5SN BK RL	K.51
1775024001	SL-SMT 5.08HC/04/90G 1.5SN BK RL	K.51
1775034001	SL-SMT 5.08HC/05/90G 1.5SN BK RL	K.51
1775044001	SL-SMT 5.08HC/06/90G 1.5SN BK RL	K.51
1775054001	SL-SMT 5.08HC/07/90G 1.5SN BK RL	K.51
1775234001	SL-SMT 5.08HC/02/90LF 1.5SN BK RL	K.55
1775244001	SL-SMT 5.08HC/03/90LF 1.5SN BK RL	K.55
1775254001	SL-SMT 5.08HC/04/90LF 1.5SN BK RL	K.55
1775264001	SL-SMT 5.08HC/05/90LF 1.5SN BK RL	K.55
1775274001	SL-SMT 5.08HC/06/90LF 1.5SN BK RL	K.55
1775594001	SL-SMT 5.08HC/04/180 1.5SN BK RL	K.57
1775634001	SL-SMT 5.08HC/05/180 1.5SN BK RL	K.57
1775644001	SL-SMT 5.08HC/06/180 1.5SN BK RL	K.57
1775654001	SL-SMT 5.08HC/07/180 1.5SN BK RL	K.57
1775664001	SL-SMT 5.08HC/08/180 1.5SN BK RL	K.57
1775934001	SL-SMT 5.08HC/03/180G 1.5SN BK RL	K.57
1775944001	SL-SMT 5.08HC/04/180G 1.5SN BK RL	K.57
1775954001	SL-SMT 5.08HC/05/180G 1.5SN BK RL	K.57
1775964001	SL-SMT 5.08HC/06/180G 1.5SN BK RL	K.57
1775974001	SL-SMT 5.08HC/07/180G 1.5SN BK RL	K.57
1776364001	SL-SMT 5.08HC/02/180LF 1.5SN BK RL	K.61
1776374001	SL-SMT 5.08HC/03/180LF 1.5SN BK RL	K.61
1776384001	SL-SMT 5.08HC/04/180LF 1.5SN BK RL	K.61
1776394001	SL-SMT 5.08HC/05/180LF 1.5SN BK RL	K.61
1776404001	SL-SMT 5.08HC/06/180LF 1.5SN BK RL	K.61
1779880000	BL-I/O 3.50/10F SN BK BX	I.54
1779920000	BL-I/O 3.50/30F SN BK BX	I.55
1779950000	SL-SMT 5.08HC/02/90 3.2SN BK BX	K.50
1779960000	SL-SMT 5.08HC/03/90 3.2SN BK BX	K.50
1779970000	SL-SMT 5.08HC/04/90 3.2SN BK BX	K.50
1779980000	SL-SMT 5.08HC/05/90 3.2SN BK BX	K.50
1779990000	SL-SMT 5.08HC/06/90 3.2SN BK BX	K.50

1780000000

1780000000	SL-SMT 5.08HC/07/90 3.2SN BK BX	K.50
1780010000	SL-SMT 5.08HC/08/90 3.2SN BK BX	K.50
1780020000	SL-SMT 5.08HC/09/90 3.2SN BK BX	K.50
1780030000	SL-SMT 5.08HC/10/90 3.2SN BK BX	K.50
1780040000	SL-SMT 5.08HC/11/90 3.2SN BK BX	K.50
1780050000	SL-SMT 5.08HC/12/90 3.2SN BK BX	K.50
1780180000	SL-SMT 5.08HC/02/90G 3.2SN BK BX	K.51
1780190000	SL-SMT 5.08HC/03/90G 3.2SN BK BX	K.51
1780200000	SL-SMT 5.08HC/04/90G 3.2SN BK BX	K.51
1780210000	SL-SMT 5.08HC/05/90G 3.2SN BK BX	K.51
1780220000	SL-SMT 5.08HC/06/90G 3.2SN BK BX	K.51
1780230000	SL-SMT 5.08HC/07/90G 3.2SN BK BX	K.51
1780240000	SL-SMT 5.08HC/08/90G 3.2SN BK BX	K.51
1780250000	SL-SMT 5.08HC/09/90G 3.2SN BK BX	K.51
1780260000	SL-SMT 5.08HC/10/90G 3.2SN BK BX	K.51
1780270000	SL-SMT 5.08HC/11/90G 3.2SN BK BX	K.51
1780280000	SL-SMT 5.08HC/12/90G 3.2SN BK BX	K.51
1780410000	SL-SMT 5.08HC/02/90LF 3.2SN BK BX	K.54
1780420000	SL-SMT 5.08HC/03/90LF 3.2SN BK BX	K.54
1780430000	SL-SMT 5.08HC/04/90LF 3.2SN BK BX	K.54
1780440000	SL-SMT 5.08HC/05/90LF 3.2SN BK BX	K.54
1780450000	SL-SMT 5.08HC/06/90LF 3.2SN BK BX	K.54
1780460000	SL-SMT 5.08HC/07/90LF 3.2SN BK BX	K.54
1780470000	SL-SMT 5.08HC/08/90LF 3.2SN BK BX	K.54
1780480000	SL-SMT 5.08HC/09/90LF 3.2SN BK BX	K.54
1780490000	SL-SMT 5.08HC/10/90LF 3.2SN BK BX	K.54
1780500000	SL-SMT 5.08HC/11/90LF 3.2SN BK BX	K.54
1780510000	SL-SMT 5.08HC/12/90LF 3.2SN BK BX	K.54
1789090000	BL-I/O 3.50/10F PNP LED SN BK BX	I.56
1789110000	BL-I/O 3.50/30F PNP LED SN BK BX	I.57

1790000000

1791610000	PM 5.00/02/90 3.5SN OR BX	G.38
1791620000	PM 5.00/03/90 3.5SN OR BX	G.38
1797620000	SL-SMT 5.00HC/02/90 1.5SN BK RL	K.23
1797630000	SL-SMT 5.00HC/03/90 1.5SN BK RL	K.23
1797640000	SL-SMT 5.00HC/04/90 1.5SN BK RL	K.23
1797650000	SL-SMT 5.00HC/05/90 1.5SN BK RL	K.23
1797660000	SL-SMT 5.00HC/06/90 1.5SN BK RL	K.23
1797670000	SL-SMT 5.00HC/07/90 1.5SN BK RL	K.23
1797680000	SL-SMT 5.00HC/08/90 1.5SN BK RL	K.23
1797690000	SL-SMT 5.00HC/02/90G 1.5SN BK RL	K.23
1797700000	SL-SMT 5.00HC/03/90G 1.5SN BK RL	K.23
1797710000	SL-SMT 5.00HC/04/90G 1.5SN BK RL	K.23
1797720000	SL-SMT 5.00HC/05/90G 1.5SN BK RL	K.23
1797730000	SL-SMT 5.00HC/06/90G 1.5SN BK RL	K.23
1797740000	SL-SMT 5.00HC/07/90G 1.5SN BK RL	K.23
1797750000	SL-SMT 5.00HC/02/90LF 1.5SN BK RL	K.25
1797760000	SL-SMT 5.00HC/03/90LF 1.5SN BK RL	K.25
1797770000	SL-SMT 5.00HC/04/90LF 1.5SN BK RL	K.25
1797780000	SL-SMT 5.00HC/05/90LF 1.5SN BK RL	K.25
1797790000	SL-SMT 5.00HC/06/90LF 1.5SN BK RL	K.25
1797800000	SL-SMT 5.00HC/02/180 1.5SN BK RL	K.27
1797810000	SL-SMT 5.00HC/03/180 1.5SN BK RL	K.27
1797820000	SL-SMT 5.00HC/04/180 1.5SN BK RL	K.27
1797830000	SL-SMT 5.00HC/05/180 1.5SN BK RL	K.27
1797840000	SL-SMT 5.00HC/06/180 1.5SN BK RL	K.27
1797850000	SL-SMT 5.00HC/07/180 1.5SN BK RL	K.27
1797860000	SL-SMT 5.00HC/08/180 1.5SN BK RL	K.27
1797870000	SL-SMT 5.00HC/02/180G 1.5SN BK RL	K.27
1797880000	SL-SMT 5.00HC/03/180G 1.5SN BK RL	K.27
1797890000	SL-SMT 5.00HC/04/180G 1.5SN BK RL	K.27
1797900000	SL-SMT 5.00HC/05/180G 1.5SN BK RL	K.27
1797910000	SL-SMT 5.00HC/06/180G 1.5SN BK RL	K.27
1797920000	SL-SMT 5.00HC/07/180G 1.5SN BK RL	K.27
1797930000	SL-SMT 5.00HC/02/180LF 1.5SN BK RL	K.29
1797940000	SL-SMT 5.00HC/03/180LF 1.5SN BK RL	K.29
1797950000	SL-SMT 5.00HC/04/180LF 1.5SN BK RL	K.29
1797960000	SL-SMT 5.00HC/05/180LF 1.5SN BK RL	K.29
1797970000	SL-SMT 5.00HC/06/180LF 1.5SN BK RL	K.29

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1803790000	DFFC EW2	M.14
1804340000	SL-SMT 3.50/12/90LF 3.2SN BK BX	I.31
1805210000	SL-SMT 3.50/02/180LF 1.5SN BK RL	I.35
1805230000	SL-SMT 3.50/03/180LF 1.5SN BK RL	I.35
1805240000	SL-SMT 3.50/04/180LF 1.5SN BK RL	I.35
1805250000	SL-SMT 3.50/05/180LF 1.5SN BK RL	I.35
1805270000	SL-SMT 3.50/06/180LF 1.5SN BK RL	I.35
1805280000	SL-SMT 3.50/07/180LF 1.5SN BK RL	I.35
1805290000	SL-SMT 3.50/08/180LF 1.5SN BK RL	I.35
1805300000	SL-SMT 3.50/09/180LF 1.5SN BK RL	I.35
1805310000	SL-SMT 3.50/02/90LF 1.5SN BK RL	I.31
1805320000	SL-SMT 3.50/03/90LF 1.5SN BK RL	I.31
1805330000	SL-SMT 3.50/04/90LF 1.5SN BK RL	I.31
1805340000	SL-SMT 3.50/05/90LF 1.5SN BK RL	I.31
1805350000	SL-SMT 3.50/06/90LF 1.5SN BK RL	I.31
1805360000	SL-SMT 3.50/07/90LF 1.5SN BK RL	I.31
1805370000	SL-SMT 3.50/08/90LF 1.5SN BK RL	I.31
1805380000	SL-SMT 3.50/09/90LF 1.5SN BK RL	I.31

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1813330000	SU 10.16HP/02/90G 3.5AG BK BX	0.190
1813340000	SU 10.16HP/03/90G 3.5AG BK BX	0.190
1813350000	SU 10.16HP/04/90G 3.5AG BK BX	0.190
1813360000	SU 10.16HP/05/90G 3.5AG BK BX	0.190
1813370000	SU 10.16HP/06/90G 3.5AG BK BX	0.190
1813410000	SU 10.16HP/02/180G 3.5AG BK BX	0.194
1813420000	SU 10.16HP/03/180G 3.5AG BK BX	0.194
1813430000	SU 10.16HP/04/180G 3.5AG BK BX	0.194
1813440000	SU 10.16HP/05/180G 3.5AG BK BX	0.194
1813450000	SU 10.16HP/06/180G 3.5AG BK BX	0.194
1813490000	SU 10.16HP/02/270G 3.5AG BK BX	0.196
1813500000	SU 10.16HP/03/270G 3.5AG BK BX	0.196
1813510000	SU 10.16HP/04/270G 3.5AG BK BX	0.196
1813520000	SU 10.16HP/05/270G 3.5AG BK BX	0.196
1813530000	SU 10.16HP/06/270G 3.5AG BK BX	0.196
1813570000	SU 10.16HP/02/90F 3.5AG BK BX	0.191
1813580000	SU 10.16HP/03/90F 3.5AG BK BX	0.191
1813590000	SU 10.16HP/04/90F 3.5AG BK BX	0.191
1813600000	SU 10.16HP/05/90F 3.5AG BK BX	0.191
1813610000	SU 10.16HP/06/90F 3.5AG BK BX	0.191
1813650000	SU 10.16HP/02/180F 3.5AG BK BX	0.195
1813660000	SU 10.16HP/03/180F 3.5AG BK BX	0.195
1813670000	SU 10.16HP/04/180F 3.5AG BK BX	0.195
1813680000	SU 10.16HP/05/180F 3.5AG BK BX	0.195
1813690000	SU 10.16HP/06/180F 3.5AG BK BX	0.195
1813730000	SU 10.16HP/02/270F 3.5AG BK BX	0.197
1813740000	SU 10.16HP/03/270F 3.5AG BK BX	0.197
1813750000	SU 10.16HP/04/270F 3.5AG BK BX	0.197
1813760000	SU 10.16HP/05/270F 3.5AG BK BX	0.197
1813770000	SU 10.16HP/06/270F 3.5AG BK BX	0.197
1814590000	S2L/S2C 3.5 FLA 20/10 SMD	I.6
1814590000	S2L/S2C 3.5 FLA 20/10 SMD	M.8

1820000000

1820170000	SL-SMT 5.08HC/02/180G 1.5SN BK RL	K.57
1820600000	SL-SMT 5.08HC/03/180F 3.2SN BK BX	K.58
1820610000	SL-SMT 5.08HC/06/180F 3.2SN BK BX	K.58
1820620000	SL-SMT 5.08HC/08/180F 3.2SN BK BX	K.58
1820630000	SL-SMT 5.08HC/12/180F 3.2SN BK BX	K.58
1820770000	SL-SMT 5.08HC/05/180F 3.2SN BK BX	K.58
1820780000	SL-SMT 5.08HC/10/180F 3.2SN BK BX	K.58
1821100000	SL-SMT 5.08HC/02/180 1.5SN BK RL	K.57
1821110000	SL-SMT 5.08HC/03/180 1.5SN BK RL	K.57
1821140000	SL-SMT 5.08HC/02/90G 1.5SN BK RL	K.51
1821160000	SL-SMT 5.08HC/02/90 1.5SN BK RL	K.51
1821170000	SL-SMT 5.08HC/03/90 1.5SN BK RL	K.51
1821490000	LM 5.00/04/90 3.5SN OR BX	G.22
1824410000	KO BU/SU10.16HP BK	0.72
1824410000	KO BU/SU10.16HP BK	0.74
1824410000	KO BU/SU10.16HP BK	0.76
1824410000	KO BU/SU10.16HP BK	0.78
1824410000	KO BU/SU10.16HP BK	0.80
1824410000	KO BU/SU10.16HP BK	0.82
1824410000	KO BU/SU10.16HP BK	0.84
1824410000	KO BU/SU10.16HP BK	0.86
1824410000	KO BU/SU10.16HP BK	0.88
1824410000	KO BU/SU10.16HP BK	0.190
1824410000	KO BU/SU10.16HP BK	0.192
1824410000	KO BU/SU10.16HP BK	0.194
1824410000	KO BU/SU10.16HP BK	0.196
1824410000	KO BU/SU10.16HP BK	0.198
1824410000	KO BU/SU10.16HP BK	0.200
1824410000	KO BU/SU10.16HP BK	0.202
1824410000	KO BU/SU10.16HP BK	R.4
1824420000	LSF-SMT 3.50/02/90 3.5SN BK TU	G.40
1824430000	LSF-SMT 3.50/03/90 3.5SN BK TU	G.40
1824440000	LSF-SMT 3.50/04/90 3.5SN BK TU	G.40
1824450000	LSF-SMT 3.50/05/90 3.5SN BK TU	G.40
1824460000	LSF-SMT 3.50/06/90 3.5SN BK TU	G.40
1824470000	LSF-SMT 3.50/07/90 3.5SN BK TU	G.40
1824480000	LSF-SMT 3.50/08/90 3.5SN BK TU	G.40
1824490000	LSF-SMT 3.50/09/90 3.5SN BK TU	G.40
1824500000	LSF-SMT 3.50/10/90 3.5SN BK TU	G.40
1824510000	LSF-SMT 3.50/11/90 3.5SN BK TU	G.40
1824520000	LSF-SMT 3.50/12/90 3.5SN BK TU	G.40
1824620000	LSF-SMT 3.81/02/90 3.5SN BK TU	G.46
1824630000	LSF-SMT 3.81/03/90 3.5SN BK TU	G.46
1824640000	LSF-SMT 3.81/04/90 3.5SN BK TU	G.46
1824650000	LSF-SMT 3.81/05/90 3.5SN BK TU	G.46
1824660000	LSF-SMT 3.81/06/90 3.5SN BK TU	G.46
1824690000	LSF-SMT 3.81/07/90 3.5SN BK TU	G.46
1824700000	LSF-SMT 3.81/08/90 3.5SN BK TU	G.46
1824710000	LSF-SMT 3.81/09/90 3.5SN BK TU	G.46
1824720000	LSF-SMT 3.81/10/90 3.5SN BK TU	G.46
1824730000	LSF-SMT 3.81/11/90 3.5SN BK TU	G.46
1824740000	LSF-SMT 5.00/02/90 3.5SN BK TU	G.52
1824750000	LSF-SMT 5.00/03/90 3.5SN BK TU	G.52
1824760000	LSF-SMT 5.00/04/90 3.5SN BK TU	G.52
1824770000	LSF-SMT 5.00/05/90 3.5SN BK TU	G.52
1824780000	LSF-SMT 5.00/06/90 3.5SN BK TU	G.52
1824790000	LSF-SMT 5.00/07/90 3.5SN BK TU	G.52
1824800000	LSF-SMT 5.00/08/90 3.5SN BK TU	G.52
1824810000	LSF-SMT 5.08/02/90 3.5SN BK TU	G.58
1824820000	LSF-SMT 5.08/03/90 3.5SN BK TU	G.58
1824830000	LSF-SMT 5.08/04/90 3.5SN BK TU	G.58
1824840000	LSF-SMT 5.08/05/90 3.5SN BK TU	G.58
1824850000	LSF-SMT 5.08/06/90 3.5SN BK TU	G.58
1824860000	LSF-SMT 5.08/07/90 3.5SN BK TU	G.58
1824870000	LSF-SMT 5.08/08/90 3.5SN BK TU	G.58
1824880000	LSF-SMT 7.50/02/90 3.5SN BK TU	G.64
1824890000	LSF-SMT 7.50/03/90 3.5SN BK TU	G.64
1824900000	LSF-SMT 7.50/04/90 3.5SN BK TU	G.64
1824910000	LSF-SMT 7.50/05/90 3.5SN BK TU	G.64
1824920000	LSF-SMT 7.50/06/90 3.5SN BK TU	G.64
1824930000	LSF-SMT 7.50/07/90 3.5SN BK TU	G.64
1824940000	LSF-SMT 7.50/08/90 3.5SN BK TU	G.64
1824950000	LSF-SMT 7.62/02/90 3.5SN BK TU	G.70
1824960000	LSF-SMT 7.62/03/90 3.5SN BK TU	G.70
1824970000	LSF-SMT 7.62/04/90 3.5SN BK TU	G.70
1824980000	LSF-SMT 7.62/05/90 3.5SN BK TU	G.70
1824990000	LSF-SMT 7.62/06/90 3.5SN BK TU	G.70
1825000000	LSF-SMT 7.62/07/90 3.5SN BK TU	G.70
1825010000	LSF-SMT 7.62/08/90 3.5SN BK TU	G.70
1825300000	LSF-SMT 3.81/12/90 3.5SN BK TU	G.46
1825640000	LSF-SMT 3.50/02/180 3.5SN BK TU	G.44
1825650000	LSF-SMT 3.50/03/180 3.5SN BK TU	G.44
1825660000	LSF-SMT 3.50/04/180 3.5SN BK TU	G.44
1825670000	LSF-SMT 3.50/05/180 3.5SN BK TU	G.44
1825680000	LSF-SMT 3.50/06/180 3.5SN BK TU	G.44
1825690000	LSF-SMT 3.50/07/180 3.5SN BK TU	G.44
1825700000	LSF-SMT 3.50/08/180 3.5SN BK TU	G.44
1825710000	LSF-SMT 3.50/09/180 3.5SN BK TU	G.44
1825720000	LSF-SMT 3.50/10/180 3.5SN BK TU	G.44
1825730000	LSF-SMT 3.50/11/180 3.5SN BK TU	G.44
1825740000	LSF-SMT 3.50/12/180 3.5SN BK TU	G.44
1825790000	LSF-SMT 3.81/02/180 3.5SN BK TU	G.50
1825800000	LSF-SMT 3.81/03/180 3.5SN BK TU	G.50
1825810000	LSF-SMT 3.81/04/180 3.5SN BK TU	G.50
1825820000	LSF-SMT 3.81/05/180 3.5SN BK TU	G.50
1825830000	LSF-SMT 3.81/06/180 3.5SN BK TU	G.50
1825840000	LSF-SMT 3.81/07/180 3.5SN BK TU	G.50
1825850000	LSF-SMT 3.81/08/180 3.5SN BK TU	G.50
1825870000	LSF-SMT 3.81/09/180 3.5SN BK TU	G.50
1825880000	LSF-SMT 3.81/10/180 3.5SN BK TU	G.50
1825890000	LSF-SMT 3.81/11/180 3.5SN BK TU	G.50
1825920000	LSF-SMT 3.81/12/180 3.5SN BK TU	G.50
1825960000	LSF-SMT 5.00/02/180 3.5SN BK TU	G.56
1825970000	LSF-SMT 5.00/03/180 3.5SN BK TU	G.56
1825980000	LSF-SMT 5.00/04/180 3.5SN BK TU	G.56
1825990000	LSF-SMT 5.00/05/180 3.5SN BK TU	G.56
1826000000	LSF-SMT 5.00/06/180 3.5SN BK TU	G.56
1826010000	LSF-SMT 5.00/07/180 3.5SN BK TU	G.56
1826020000	LSF-SMT 5.00/08/180 3.5SN BK TU	G.56
1826040000	LSF-SMT 5.08/02/180 3.5SN BK TU	G.62
1826060000	LSF-SMT 5.08/03/180 3.5SN BK TU	G.62
1826070000	LSF-SMT 5.08/04/180 3.5SN BK TU	G.62
1826080000	LSF-SMT 5.08/05/180 3.5SN BK TU	G.62
1826100000	LSF-SMT 5.08/06/180 3.5SN BK TU	G.62
1826110000	LSF-SMT 5.08/07/180 3.5SN BK TU	G.62
1826120000	LSF-SMT 5.08/08/180 3.5SN BK TU	G.62
1826130000	LSF-SMT 7.50/02/180 3.5SN BK TU	G.68
1826140000	LSF-SMT 7.50/03/180 3.5SN BK TU	G.68
1826150000	LSF-SMT 7.50/04/180 3.5SN BK TU	G.68
1826160000	LSF-SMT 7.50/05/180 3.5SN BK TU	G.68
1826170000	LSF-SMT 7.50/06/180 3.5SN BK TU	G.68
1826180000	LSF-SMT 7.50/07/180 3.5SN BK TU	G.68
1826190000	LSF-SMT 7.50/08/180 3.5SN BK TU	G.68
1826210000	LSF-SMT 7.62/02/180 3.5SN BK TU	G.74
1826220000	LSF-SMT 7.62/03/180 3.5SN BK TU	G.74
1826230000	LSF-SMT 7.62/04/180 3.5SN BK TU	G.74
1826240000	LSF-SMT 7.62/05/180 3.5SN BK TU	G.74
1826250000	LSF-SMT 7.62/06/180 3.5SN BK TU	G.74
1826260000	LSF-SMT 7.62/07/180 3.5SN BK TU	G.74
1826270000	LSF-SMT 7.62/08/180 3.5SN BK TU	G.74
1828770000	SLDV-THR 5.08/04/180F 3.2SN BK BX	K.66
1828780000	SLDV-THR 5.08/06/180F 3.2SN BK BX	K.66
1828790000	SLDV-THR 5.08/08/180F 3.2SN BK BX	K.66
1828800000	SLDV-THR 5.08/10/180F 3.2SN BK BX	K.66
1828810000	SLDV-THR 5.08/12/180F 3.2SN BK BX	K.66
1828820000	SLDV-THR 5.08/14/180F 3.2SN BK BX	K.66
1828830000	SLDV-THR 5.08/16/180F 3.2SN BK BX	K.66
1828840000	SLDV-THR 5.08/18/180F 3.2SN BK BX	K.66
1828850000	SLDV-THR 5.08/20/180F 3.2SN BK BX	K.66
1828860000	SLDV-THR 5.08/22/180F 3.2SN BK BX	K.66
1828870000	SLDV-THR 5.08/24/180F 3.2SN BK BX	K.66
1829010000	SLDV-THR 5.08/04/180FLF 3.2SN BK BX	K.67
1829020000	SLDV-THR 5.08/06/180FLF 3.2SN BK BX	K.67
1829030000	SLDV-THR 5.08/08/180FLF 3.2SN BK BX	K.67
1829040000	SLDV-THR 5.08/10/180FLF 3.2SN BK BX	K.67
1829050000	SLDV-THR 5.08/12/180FLF 3.2SN BK BX	K.67
1829060000	SLDV-THR 5.08/14/180FLF 3.2SN BK BX	K.67
1829070000	SLDV-THR 5.08/16/180FLF 3.2SN BK BX	K.67
1829080000	SLDV-THR 5.08/18/180FLF 3.2SN BK BX	K.67
1829090000	SLDV-THR 5.08/20/180FLF 3.2SN BK BX	K.67
1829100000	SLDV-THR 5.08/22/180FLF 3.2SN BK BX	K.67
1829110000	SLDV-THR 5.08/24/180FLF 3.2SN BK BX	K.67

1830000000

1836990000	SL-SMT 3.50/10/180G 3.2SN BK BX	I.34
1837630000	SL-SMT 5.08HC/02/90F 3.2SN BK BX	K.52
1837640000	SL-SMT 5.08HC/03/90F 3.2SN BK BX	K.52
1837650000	SL-SMT 5.08HC/04/90F 3.2SN BK BX	K.52
1837660000	SL-SMT 5.08HC/05/90F 3.2SN BK BX	K.52
1837670000	SL-SMT 5.08HC/06/90F 3.2SN BK BX	K.52
1837680000	SL-SMT 5.08HC/07/90F 3.2SN BK BX	K.52
1837690000	SL-SMT 5.08HC/08/90F 3.2SN BK BX	K.52
1837700000	SL-SMT 5.08HC/09/90F 3.2SN BK BX	K.52
1837710000	SL-SMT 5.08HC/10/90F 3.2SN BK BX	K.52
1837720000	SL-SMT 5.08HC/11/90F 3.2SN BK BX	K.52
1837730000	SL-SMT 5.08HC/12/90F 3.2SN BK BX	K.52
1837860000	SL-SMT 5.08HC/02/180F 3.2SN BK BX	K.58
1837870000	SL-SMT 5.08HC/04/180F 3.2SN BK BX	K.58
1837880000	SL-SMT 5.08HC/07/180F 3.2SN BK BX	K.58
1837890000	SL-SMT 5.08HC/09/180F 3.2SN BK BX	K.58
1837900000	SL-SMT 5.08HC/11/180F 3.2SN BK BX	K.58
1837980000	SL-SMT 5.08HC/02/180 3.2SN BK BX	K.56
1837990000	SL-SMT 5.08HC/03/180 3.2SN BK BX	K.56
1838000000	SL-SMT 5.08HC/04/180 3.2SN BK BX	K.56
1838010000	SL-SMT 5.08HC/05/180 3.2SN BK BX	K.56
1838020000	SL-SMT 5.08HC/06/180 3.2SN BK BX	K.56
1838030000	SL-SMT 5.08HC/07/180 3.2SN BK BX	K.56
1838040000	SL-SMT 5.08HC/08/180 3.2SN BK BX	K.56
1838050000	SL-SMT 5.08HC/09/180 3.2SN BK BX	K.56
1838060000	SL-SMT 5.08HC/10/180 3.2SN BK BX	K.56
1838070000	SL-SMT 5.08HC/11/180 3.2SN BK BX	K.56
1838080000	SL-SMT 5.08HC/12/180 3.2SN BK BX	K.56
1838210000	SL-SMT 5.08HC/02/180G 3.2SN BK BX	K.57
1838220000	SL-SMT 5.08HC/03/180G 3.2SN BK BX	K.57
1838230000	SL-SMT 5.08HC/04/180G 3.2SN BK BX	K.57
1838240000	SL-SMT 5.08HC/05/180G 3.2SN BK BX	K.57
1838250000	SL-SMT 5.08HC/06/180G 3.2SN BK BX	K.57
1838260000	SL-SMT 5.08HC/07/180G 3.2SN BK BX	K.57
1838270000	SL-SMT 5.08HC/08/180G 3.2SN BK BX	K.57
1838280000	SL-SMT 5.08HC/09/180G 3.2SN BK BX	K.57
1838290000	SL-SMT 5.08HC/10/180G 3.2SN BK BX	K.57

Order No.	Type	Page
1838300000	SL-SMT 5.08HC/11/180G 3.2SN BK BX	K.57
1838310000	SL-SMT 5.08HC/12/180G 3.2SN BK BX	K.57
1838440000	SL-SMT 5.08HC/02/180LF 3.2SN BK BX	K.60
1838450000	SL-SMT 5.08HC/03/180LF 3.2SN BK BX	K.60
1838460000	SL-SMT 5.08HC/04/180LF 3.2SN BK BX	K.60
1838470000	SL-SMT 5.08HC/05/180LF 3.2SN BK BX	K.60
1838480000	SL-SMT 5.08HC/06/180LF 3.2SN BK BX	K.60
1838490000	SL-SMT 5.08HC/07/180LF 3.2SN BK BX	K.60
1838500000	SL-SMT 5.08HC/08/180LF 3.2SN BK BX	K.60
1838510000	SL-SMT 5.08HC/09/180LF 3.2SN BK BX	K.60
1838520000	SL-SMT 5.08HC/10/180LF 3.2SN BK BX	K.60
1838530000	SL-SMT 5.08HC/11/180LF 3.2SN BK BX	K.60
1838540000	SL-SMT 5.08HC/12/180LF 3.2SN BK BX	K.60
1839770000	BLZP 5.08/04/180QV2 SN OR BX PRT	K.106
1839890000	SL-SMT 5.00HC/02/90 3.2SN BK BX	K.22
1839900000	SL-SMT 5.00HC/03/90 3.2SN BK BX	K.22
1839910000	SL-SMT 5.00HC/04/90 3.2SN BK BX	K.22
1839920000	SL-SMT 5.00HC/05/90 3.2SN BK BX	K.22
1839930000	SL-SMT 5.00HC/06/90 3.2SN BK BX	K.22
1839940000	SL-SMT 5.00HC/07/90 3.2SN BK BX	K.22
1839950000	SL-SMT 5.00HC/08/90 3.2SN BK BX	K.22
1839960000	SL-SMT 5.00HC/09/90 3.2SN BK BX	K.22
1839970000	SL-SMT 5.00HC/10/90 3.2SN BK BX	K.22
1839980000	SL-SMT 5.00HC/11/90 3.2SN BK BX	K.22
1839990000	SL-SMT 5.00HC/12/90 3.2SN BK BX	K.22

1840000000

1840120000	SL-SMT 5.00HC/02/90G 3.2SN BK BX	K.23
1840130000	SL-SMT 5.00HC/03/90G 3.2SN BK BX	K.23
1840140000	SL-SMT 5.00HC/04/90G 3.2SN BK BX	K.23
1840150000	SL-SMT 5.00HC/05/90G 3.2SN BK BX	K.23
1840160000	SL-SMT 5.00HC/06/90G 3.2SN BK BX	K.23
1840170000	SL-SMT 5.00HC/07/90G 3.2SN BK BX	K.23
1840180000	SL-SMT 5.00HC/08/90G 3.2SN BK BX	K.23
1840190000	SL-SMT 5.00HC/09/90G 3.2SN BK BX	K.23
1840200000	SL-SMT 5.00HC/10/90G 3.2SN BK BX	K.23
1840210000	SL-SMT 5.00HC/11/90G 3.2SN BK BX	K.23
1840220000	SL-SMT 5.00HC/12/90G 3.2SN BK BX	K.23
1840350000	SL-SMT 5.00HC/02/90LF 3.2SN BK BX	K.24
1840360000	SL-SMT 5.00HC/03/90LF 3.2SN BK BX	K.24
1840370000	SL-SMT 5.00HC/04/90LF 3.2SN BK BX	K.24
1840380000	SL-SMT 5.00HC/05/90LF 3.2SN BK BX	K.24
1840390000	SL-SMT 5.00HC/06/90LF 3.2SN BK BX	K.24
1840400000	SL-SMT 5.00HC/07/90LF 3.2SN BK BX	K.24
1840410000	SL-SMT 5.00HC/08/90LF 3.2SN BK BX	K.24
1840420000	SL-SMT 5.00HC/09/90LF 3.2SN BK BX	K.24
1840430000	SL-SMT 5.00HC/10/90LF 3.2SN BK BX	K.24
1840440000	SL-SMT 5.00HC/11/90LF 3.2SN BK BX	K.24
1840450000	SL-SMT 5.00HC/12/90LF 3.2SN BK BX	K.24
1840920000	SL-SMT 5.00HC/02/180 3.2SN BK BX	K.26
1840930000	SL-SMT 5.00HC/03/180 3.2SN BK BX	K.26
1840940000	SL-SMT 5.00HC/04/180 3.2SN BK BX	K.26
1840950000	SL-SMT 5.00HC/05/180 3.2SN BK BX	K.26
1840960000	SL-SMT 5.00HC/06/180 3.2SN BK BX	K.26
1840970000	SL-SMT 5.00HC/07/180 3.2SN BK BX	K.26
1840980000	SL-SMT 5.00HC/08/180 3.2SN BK BX	K.26
1840990000	SL-SMT 5.00HC/09/180 3.2SN BK BX	K.26
1841000000	SL-SMT 5.00HC/10/180 3.2SN BK BX	K.26
1841020000	SL-SMT 5.00HC/11/180 3.2SN BK BX	K.26
1841030000	SL-SMT 5.00HC/12/180 3.2SN BK BX	K.26
1841160000	SL-SMT 5.00HC/02/180G 3.2SN BK BX	K.27
1841170000	SL-SMT 5.00HC/03/180G 3.2SN BK BX	K.27
1841180000	SL-SMT 5.00HC/04/180G 3.2SN BK BX	K.27
1841190000	SL-SMT 5.00HC/05/180G 3.2SN BK BX	K.27
1841200000	SL-SMT 5.00HC/06/180G 3.2SN BK BX	K.27
1841210000	SL-SMT 5.00HC/07/180G 3.2SN BK BX	K.27
1841220000	SL-SMT 5.00HC/08/180G 3.2SN BK BX	K.27
1841230000	SL-SMT 5.00HC/09/180G 3.2SN BK BX	K.27
1841240000	SL-SMT 5.00HC/10/180G 3.2SN BK BX	K.27
1841250000	SL-SMT 5.00HC/11/180G 3.2SN BK BX	K.27
1841260000	SL-SMT 5.00HC/12/180G 3.2SN BK BX	K.27
1841390000	SL-SMT 5.00HC/02/180LF 3.2SN BK BX	K.28
1841400000	SL-SMT 5.00HC/03/180LF 3.2SN BK BX	K.28
1841410000	SL-SMT 5.00HC/04/180LF 3.2SN BK BX	K.28
1841420000	SL-SMT 5.00HC/05/180LF 3.2SN BK BX	K.28
1841430000	SL-SMT 5.00HC/06/180LF 3.2SN BK BX	K.28
1841440000	SL-SMT 5.00HC/07/180LF 3.2SN BK BX	K.28
1841450000	SL-SMT 5.00HC/08/180LF 3.2SN BK BX	K.28
1841460000	SL-SMT 5.00HC/09/180LF 3.2SN BK BX	K.28
1841470000	SL-SMT 5.00HC/10/180LF 3.2SN BK BX	K.28
1841480000	SL-SMT 5.00HC/11/180LF 3.2SN BK BX	K.28
1841490000	SL-SMT 5.00HC/12/180LF 3.2SN BK BX	K.28
1841630000	SL-SMT 3.50/02/90G 3.2SN BK BX	I.30
1841640000	SL-SMT 3.50/03/90G 3.2SN BK BX	I.30
1841650000	SL-SMT 3.50/04/90G 3.2SN BK BX	I.30
1841660000	SL-SMT 3.50/05/90G 3.2SN BK BX	I.30
1841670000	SL-SMT 3.50/06/90G 3.2SN BK BX	I.30
1841680000	SL-SMT 3.50/07/90G 3.2SN BK BX	I.30
1841690000	SL-SMT 3.50/08/90G 3.2SN BK BX	I.30
1841700000	SL-SMT 3.50/09/90G 3.2SN BK BX	I.30
1841710000	SL-SMT 3.50/10/90G 3.2SN BK BX	I.30
1841720000	SL-SMT 3.50/11/90G 3.2SN BK BX	I.30
1841730000	SL-SMT 3.50/12/90G 3.2SN BK BX	I.30
1841860000	SL-SMT 3.50/02/90LF 3.2SN BK BX	I.31
1841870000	SL-SMT 3.50/03/90LF 3.2SN BK BX	I.31
1841880000	SL-SMT 3.50/04/90LF 3.2SN BK BX	I.31
1841890000	SL-SMT 3.50/05/90LF 3.2SN BK BX	I.31
1841900000	SL-SMT 3.50/06/90LF 3.2SN BK BX	I.31

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1841910000	SL-SMT 3.50/07/90LF 3.2SN BK BX	I.31
1841920000	SL-SMT 3.50/08/90LF 3.2SN BK BX	I.31
1841930000	SL-SMT 3.50/09/90LF 3.2SN BK BX	I.31
1841940000	SL-SMT 3.50/10/90LF 3.2SN BK BX	I.31
1841950000	SL-SMT 3.50/11/90LF 3.2SN BK BX	I.31
1842080000	SL-SMT 3.50/02/90F 3.2SN BK BX	I.32
1842090000	SL-SMT 3.50/03/90F 3.2SN BK BX	I.32
1842100000	SL-SMT 3.50/04/90F 3.2SN BK BX	I.32
1842110000	SL-SMT 3.50/05/90F 3.2SN BK BX	I.32
1842120000	SL-SMT 3.50/06/90F 3.2SN BK BX	I.32
1842130000	SL-SMT 3.50/07/90F 3.2SN BK BX	I.32
1842140000	SL-SMT 3.50/08/90F 3.2SN BK BX	I.32
1842150000	SL-SMT 3.50/09/90F 3.2SN BK BX	I.32
1842160000	SL-SMT 3.50/10/90F 3.2SN BK BX	I.32
1842170000	SL-SMT 3.50/11/90F 3.2SN BK BX	I.32
1842180000	SL-SMT 3.50/12/90F 3.2SN BK BX	I.32
1842320000	SL-SMT 3.50/02/180G 3.2SN BK BX	I.34
1842330000	SL-SMT 3.50/03/180G 3.2SN BK BX	I.34
1842340000	SL-SMT 3.50/04/180G 3.2SN BK BX	I.34
1842350000	SL-SMT 3.50/05/180G 3.2SN BK BX	I.34
1842360000	SL-SMT 3.50/06/180G 3.2SN BK BX	I.34
1842370000	SL-SMT 3.50/07/180G 3.2SN BK BX	I.34
1842380000	SL-SMT 3.50/08/180G 3.2SN BK BX	I.34
1842390000	SL-SMT 3.50/09/180G 3.2SN BK BX	I.34
1842400000	SL-SMT 3.50/11/180G 3.2SN BK BX	I.34
1842410000	SL-SMT 3.50/12/180G 3.2SN BK BX	I.34
1842540000	SL-SMT 3.50/02/180LF 3.2SN BK BX	I.35
1842550000	SL-SMT 3.50/03/180LF 3.2SN BK BX	I.35
1842560000	SL-SMT 3.50/04/180LF 3.2SN BK BX	I.35
1842570000	SL-SMT 3.50/05/180LF 3.2SN BK BX	I.35
1842580000	SL-SMT 3.50/06/180LF 3.2SN BK BX	I.35
1842590000	SL-SMT 3.50/07/180LF 3.2SN BK BX	I.35
1842600000	SL-SMT 3.50/08/180LF 3.2SN BK BX	I.35
1842610000	SL-SMT 3.50/09/180LF 3.2SN BK BX	I.35
1842620000	SL-SMT 3.50/10/180LF 3.2SN BK BX	I.35
1842630000	SL-SMT 3.50/11/180LF 3.2SN BK BX	I.35
1842640000	SL-SMT 3.50/12/180LF 3.2SN BK BX	I.35
1843750000	BLL 5.08/02/90FI 3.2SN OR BX	K.119
1843760000	BLL 5.08/03/90FI 3.2SN OR BX	K.119
1843770000	BLL 5.08/04/90FI 3.2SN OR BX	K.119
1843780000	BLL 5.08/05/90FI 3.2SN OR BX	K.119
1843790000	BLL 5.08/06/90FI 3.2SN OR BX	K.119
1843800000	BLL 5.08/07/90FI 3.2SN OR BX	K.119
1843810000	BLL 5.08/08/90FI 3.2SN OR BX	K.119
1843820000	BLL 5.08/09/90FI 3.2SN OR BX	K.119
1843830000	BLL 5.08/10/90FI 3.2SN OR BX	K.119
1843840000	BLL 5.08/11/90FI 3.2SN OR BX	K.119
1843850000	BLL 5.08/12/90FI 3.2SN OR BX	K.119
1843990000	BLT 5.08HC/02/180F SN OR BX	K.105
1844000000	BLT 5.08HC/03/180F SN OR BX	K.105
1844010000	BLT 5.08HC/04/180F SN OR BX	K.105
1844020000	BLT 5.08HC/05/180F SN OR BX	K.105
1844030000	BLT 5.08HC/06/180F SN OR BX	K.105
1844040000	BLT 5.08HC/07/180F SN OR BX	K.105
1844050000	BLT 5.08HC/08/180F SN OR BX	K.105
1844060000	BLT 5.08HC/09/180F SN OR BX	K.105
1844070000	BLT 5.08HC/10/180F SN OR BX	K.105
1844080000	BLT 5.08HC/11/180F SN OR BX	K.105
1844090000	BLT 5.08HC/12/180F SN OR BX	K.105
1845040000	LM 3.50/04/90 3.2SN OR BX	G.18
1845050000	LM 3.50/06/90 3.2SN OR BX	G.18
1845060000	LM 3.50/07/90 3.2SN OR BX	G.18
1845070000	LM 3.50/08/90 3.2SN OR BX	G.18
1845080000	LM 3.50/09/90 3.2SN OR BX	G.18
1845090000	LM 3.50/10/90 3.2SN OR BX	G.18
1845100000	LM 3.50/11/90 3.2SN OR BX	G.18
1845110000	LM 3.50/12/90 3.2SN OR BX	G.18
1845220000	LM 3.50/04/135 3.2SN OR BX	G.19
1845230000	LM 3.50/05/135 3.2SN OR BX	G.19
1845240000	LM 3.50/06/135 3.2SN OR BX	G.19
1845250000	LM 3.50/07/135 3.2SN OR BX	G.19
1845260000	LM 3.50/08/135 3.2SN OR BX	G.19
1845270000	LM 3.50/09/135 3.2SN OR BX	G.19
1845280000	LM 3.50/10/135 3.2SN OR BX	G.19
1845290000	LM 3.50/11/135 3.2SN OR BX	G.19
1845300000	LM 3.50/12/135 3.2SN OR BX	G.19
1845310000	LM 5.00/05/90 3.5SN OR BX	G.22
1845320000	LM 5.00/06/90 3.5SN OR BX	G.22
1845330000	LM 5.00/07/90 3.5SN OR BX	G.22
1845340000	LM 5.00/08/90 3.5SN OR BX	G.22
1845350000	LM 5.00/09/90 3.5SN OR BX	G.22
1845360000	LM 5.00/10/90 3.5SN OR BX	G.22
1845370000	LM 5.00/11/90 3.5SN OR BX	G.22
1845380000	LM 5.00/12/90 3.5SN OR BX	G.22
1845390000	LM 5.00/04/135 3.5SN OR BX	G.23
1845400000	LM 5.00/05/135 3.5SN OR BX	G.23
1845410000	LM 5.00/06/135 3.5SN OR BX	G.23
1845420000	LM 5.00/07/135 3.5SN OR BX	G.23
1845430000	LM 5.00/08/135 3.5SN OR BX	G.23
1845440000	LM 5.00/09/135 3.5SN OR BX	G.23
1845450000	LM 5.00/10/135 3.5SN OR BX	G.23
1845460000	LM 5.00/11/135 3.5SN OR BX	G.23
1845470000	LM 5.00/12/135 3.5SN OR BX	G.23
1846050000	SLS 5.08/04/180TB RF15 SN OR BX	K.92
1846060000	SLS 5.08/06/180TB RF15 SN OR BX	K.92
1846070000	SLS 5.08/08/180TB RF15 SN OR BX	K.92
1846080000	SLS 5.08/10/180TB RF15 SN OR BX	K.92
1846090000	SLS 5.08/12/180TB RF15 SN OR BX	K.92
1846130000	SLS 5.08/04/180TB KF SN OR BX	K.93

Order No.	Type	Page
1846140000	SLS 5.08/06/180TB KF SN OR BX	K.93
1846150000	SLS 5.08/08/180TB KF SN OR BX	K.93
1846160000	SLS 5.08/10/180TB KF SN OR BX	K.93
1846170000	SLS 5.08/12/180TB KF SN OR BX	K.93
1846210000	SLS 5.08/02/180FI SN OR BX	K.91
1846220000	SLS 5.08/03/180FI SN OR BX	K.91
1846230000	SLS 5.08/04/180FI SN OR BX	K.91
1846240000	SLS 5.08/05/180FI SN OR BX	K.91
1846250000	SLS 5.08/06/180FI SN OR BX	K.91
1846260000	SLS 5.08/07/180FI SN OR BX	K.91
1846270000	SLS 5.08/08/180FI SN OR BX	K.91
1846280000	SLS 5.08/09/180FI SN OR BX	K.91
1846290000	SLS 5.08/10/180FI SN OR BX	K.91
1846300000	SLS 5.08/11/180FI SN OR BX	K.91
1846310000	SLS 5.08/12/180FI SN OR BX	K.91
1846360000	SLS 5.08/02/180F SN OR BX	K.91
1846370000	SLS 5.08/03/180F SN OR BX	K.91
1846380000	SLS 5.08/04/180F SN OR BX	K.91
1846390000	SLS 5.08/05/180F SN OR BX	K.91
1846400000	SLS 5.08/06/180F SN OR BX	K.91
1846410000	SLS 5.08/07/180F SN OR BX	K.91
1846420000	SLS 5.08/08/180F SN OR BX	K.91
1846430000	SLS 5.08/09/180F SN OR BX	K.91
1846440000	SLS 5.08/10/180F SN OR BX	K.91
1846450000	SLS 5.08/11/180F SN OR BX	K.91
1846460000	SLS 5.08/12/180F SN OR BX	K.91
1846870000	BLZP 5.08/04/180FQV2 SN OR BX PRT	K.107
1849730000	B2L/S2L 3.50 KO OR BX	I.6
1849730000	B2L/S2L 3.50 KO OR BX	I.8
1849730000	B2L/S2L 3.50 KO OR BX	I.10
1849730000	B2L/S2L 3.50 KO OR BX	I.12
1849730000	B2L/S2L 3.50 KO OR BX	I.14
1849730000	B2L/S2L 3.50 KO OR BX	I.16
1849730000	B2L/S2L 3.50 KO OR BX	I.18
1849730000	B2L/S2L 3.50 KO OR BX	M.10
1849740000	B2L/S2L 3.50 KO BK BX	I.6
1849740000	B2L/S2L 3.50 KO BK BX	I.8
1849740000	B2L/S2L 3.50 KO BK BX	I.10
1849740000	B2L/S2L 3.50 KO BK BX	I.12
1849740000	B2L/S2L 3.50 KO BK BX	I.14
1849740000	B2L/S2L 3.50 KO BK BX	I.16
1849740000	B2L/S2L 3.50 KO BK BX	I.18
1849740000	B2L/S2L 3.50 KO BK BX	M.10

1850000000

1850880000	SU 10.16HP/02/180SF 3.5AG BK BX	0.195
1850890000	SU 10.16HP/03/180SF 3.5AG BK BX	0.195
1850900000	SU 10.16HP/04/180SF 3.5AG BK BX	0.195
1850910000	SU 10.16HP/05/180SF 3.5AG BK BX	0.195
1850920000	SU 10.16HP/06/180SF 3.5AG BK BX	0.195
1851040000	SU 10.16HP/02/90SF 3.5AG BK BX	0.191
1851050000	SU 10.16HP/03/90SF 3.5AG BK BX	0.191
1851060000	SU 10.16HP/04/90SF 3.5AG BK BX	0.191
1851070000	SU 10.16HP/05/90SF 3.5AG BK BX	0.191
1851080000	SU 10.16HP/06/90SF 3.5AG BK BX	0.191
1851120000	SU 10.16HP/02/270SF 3.5AG BK BX	0.197
1851130000	SU 10.16HP/03/270SF 3.5AG BK BX	0.197
1851140000	SU 10.16HP/04/270SF 3.5AG BK BX	0.197
1851150000	SU 10.16HP/05/270SF 3.5AG BK BX	0.197
1851160000	SU 10.16HP/06/270SF 3.5AG BK BX	0.197
1853940000	VDS180 SV7.62	0.134
1853940000	VDS180 SV7.62	0.136
1853940000	VDS180 SV7.62	0.180
1853940000	VDS180 SV7.62	0.194
1853940000	VDS180 SV7.62	R.4
1856740000	DEK 5/8 MC NE WS	Q.12
1856740000	DEK 5/8 MC NE WS	Q.14
1856740000	DEK 5/8 MC NE WS	Q.16
1856740000	DEK 5/8 MC NE WS	Q.18
1856740000	DEK 5/8 MC NE WS	Q.20
1856740000	DEK 5/8 MC NE WS	Q.22
1856740000	DEK 5/8 MC NE WS	Q.24

1860000000

1862370000	SLDV-THR 5.00/08/180G 3.2SN BK BX	K.30
1862380000	SLDV-THR 5.00/16/180G 3.2SN BK BX	K.30
1862390000	SLDV-THR 5.00/20/180G 3.2SN BK BX	K.30
1862460000	SC-SMT 3.81/02/90G 3.2SN BK BX	J.8
1862480000	SC-SMT 3.81/03/90G 3.2SN BK BX	J.8
1862490000	SC-SMT 3.81/04/90G 3.2SN BK BX	J.8
1862500000	SC-SMT 3.81/05/90G 3.2SN BK BX	J.8
1862510000	SC-SMT 3.81/06/90G 3.2SN BK BX	J.8
1862520000	SC-SMT 3.81/07/90G 3.2SN BK BX	J.8
1862530000	SC-SMT 3.81/08/90G 3.2SN BK BX	J.8
1862540000	SC-SMT 3.81/09/90G 3.2SN BK BX	J.8
1862550000	SC-SMT 3.81/10/90G 3.2SN BK BX	J.8
1862570000	SC-SMT 3.81/11/90G 3.2SN BK BX	J.8
1862720000	SC-SMT 3.81/02/90LF 1.5SN BK RL	J.9
1862730000	SC-SMT 3.81/12/90G 3.2SN BK BX	J.8
1862750000	SC-SMT 3.81/03/90LF 1.5SN BK RL	J.9
1862770000	SC-SMT 3.81/04/90LF 1.5SN BK RL	J.9
1862790000	SC-SMT 3.81/05/90LF 1.5SN BK RL	J.9
1862820000	SC-SMT 3.81/06/90LF 1.5SN BK RL	J.9
1862830000	SC-SMT 3.81/07/90LF 1.5SN BK RL	J.9
1862850000	SC-SMT 3.81/08/90LF 1.5SN BK RL	J.9
1862920000	SC-SMT 3.81/02/180G 3.2SN BK BX	J.10
1862940000	SC-SMT 3.81/03/180G 3.2SN BK BX	J.10

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1862950000	SC-SMT 3.81/04/180G 3.2SN BK BX	J.10
1863010000	SC-SMT 3.81/05/180G 3.2SN BK BX	J.10
1863020000	SC-SMT 3.81/06/180G 3.2SN BK BX	J.10
1863030000	SC-SMT 3.81/07/180G 3.2SN BK BX	J.10
1863140000	SC-SMT 3.81/02/90G 1.5SN BK RL	J.9
1863150000	SC-SMT 3.81/03/90G 1.5SN BK RL	J.9
1863160000	SC-SMT 3.81/04/90G 1.5SN BK RL	J.9
1863170000	SC-SMT 3.81/05/90G 1.5SN BK RL	J.9
1863180000	SC-SMT 3.81/06/90G 1.5SN BK RL	J.9
1863190000	SC-SMT 3.81/07/90G 1.5SN BK RL	J.9
1863200000	SC-SMT 3.81/08/90G 1.5SN BK RL	J.9
1863210000	SC-SMT 3.81/09/90G 1.5SN BK RL	J.9
1863220000	SC-SMT 3.81/10/90G 1.5SN BK RL	J.9
1863230000	SC-SMT 3.81/02/180LF 3.2SN BK BX	J.11
1863240000	SC-SMT 3.81/08/180G 3.2SN BK BX	J.10
1863250000	SC-SMT 3.81/03/180LF 3.2SN BK BX	J.11
1863260000	SC-SMT 3.81/04/180LF 3.2SN BK BX	J.11
1863270000	SC-SMT 3.81/09/180G 3.2SN BK BX	J.10
1863280000	SC-SMT 3.81/05/180LF 3.2SN BK BX	J.11
1863290000	SC-SMT 3.81/10/180G 3.2SN BK BX	J.10
1863300000	SC-SMT 3.81/06/180LF 3.2SN BK BX	J.11
1863310000	SC-SMT 3.81/07/180LF 3.2SN BK BX	J.11
1863320000	SC-SMT 3.81/11/180G 3.2SN BK BX	J.10
1863330000	SC-SMT 3.81/12/180G 3.2SN BK BX	J.10
1863340000	SC-SMT 3.81/08/180LF 3.2SN BK BX	J.11
1863360000	SC-SMT 3.81/09/180LF 3.2SN BK BX	J.11
1863380000	SC-SMT 3.81/10/180LF 3.2SN BK BX	J.11
1863390000	SC-SMT 3.81/11/180LF 3.2SN BK BX	J.11
1863410000	SC-SMT 3.81/12/180LF 3.2SN BK BX	J.11
1863490000	SC-SMT 3.81/04/180G 3.2SN BK RL	J.11
1863670000	SC-SMT 3.81/02/90LF 3.2SN BK BX	J.9
1863680000	SC-SMT 3.81/03/90LF 3.2SN BK BX	J.9
1863690000	SC-SMT 3.81/04/90LF 3.2SN BK BX	J.9
1863700000	SC-SMT 3.81/05/90LF 3.2SN BK BX	J.9
1863710000	SC-SMT 3.81/06/90LF 3.2SN BK BX	J.9
1863740000	SC-SMT 3.81/07/90LF 3.2SN BK BX	J.9
1863760000	SC-SMT 3.81/08/90LF 3.2SN BK BX	J.9
1863770000	SC-SMT 3.81/09/90LF 3.2SN BK BX	J.9
1863790000	SC-SMT 3.81/10/90LF 3.2SN BK BX	J.9
1863810000	SC-SMT 3.81/11/90LF 3.2SN BK BX	J.9
1863820000	SC-SMT 3.81/12/90LF 3.2SN BK BX	J.9
1864050000	SC-SMT 3.81/02/180G 1.5SN BK RL	J.11
1864060000	SC-SMT 3.81/03/180G 1.5SN BK RL	J.11
1864220000	SC-SMT 3.81/02/180LF 1.5SN BK RL	J.11
1864230000	SC-SMT 3.81/03/180LF 1.5SN BK RL	J.11
1864240000	SC-SMT 3.81/04/180LF 1.5SN BK RL	J.11
1864250000	SC-SMT 3.81/05/180LF 1.5SN BK RL	J.11
1864260000	SC-SMT 3.81/06/180LF 1.5SN BK RL	J.11
1864270000	SC-SMT 3.81/07/180LF 1.5SN BK RL	J.11
1864280000	SC-SMT 3.81/08/180LF 1.5SN BK RL	J.11
1864290000	SC-SMT 3.81/04/180G 1.5SN BK RL	J.11
1864300000	SC-SMT 3.81/05/180G 1.5SN BK RL	J.11
1864310000	SC-SMT 3.81/06/180G 1.5SN BK RL	J.11
1864320000	SC-SMT 3.81/07/180G 1.5SN BK RL	J.11
1864330000	SC-SMT 3.81/08/180G 1.5SN BK RL	J.11
1864340000	SC-SMT 3.81/09/180G 1.5SN BK RL	J.11
1864350000	SC-SMT 3.81/10/180G 1.5SN BK RL	J.11
1866770000	SLD 3.50V/10/90G 3.2SN OR BX	I.44
1869260000	LSF-SMT 7.62/02/90 1.5SN BK TU	G.70
1869270000	LSF-SMT 7.62/03/90 1.5SN BK TU	G.70
1869280000	LSF-SMT 7.62/04/90 1.5SN BK TU	G.70
1869290000	LSF-SMT 7.62/05/90 1.5SN BK TU	G.70
1869300000	LSF-SMT 7.62/06/90 1.5SN BK TU	G.70
1869310000	LSF-SMT 7.62/07/90 1.5SN BK TU	G.70
1869320000	LSF-SMT 7.62/08/90 1.5SN BK TU	G.70
1869360000	LSF-SMT 3.81/02/90 1.5SN BK TU	G.46
1869370000	LSF-SMT 3.81/03/90 1.5SN BK TU	G.46
1869380000	LSF-SMT 3.81/04/90 1.5SN BK TU	G.46
1869390000	LSF-SMT 3.81/05/90 1.5SN BK TU	G.46
1869400000	LSF-SMT 3.81/06/90 1.5SN BK TU	G.46
1869410000	LSF-SMT 3.81/07/90 1.5SN BK TU	G.46
1869420000	LSF-SMT 3.81/08/90 1.5SN BK TU	G.46
1869430000	LSF-SMT 3.81/09/90 1.5SN BK TU	G.46
1869440000	LSF-SMT 3.81/10/90 1.5SN BK TU	G.46
1869450000	LSF-SMT 3.81/11/90 1.5SN BK TU	G.46
1869460000	LSF-SMT 3.81/12/90 1.5SN BK TU	G.46
1869600000	LSF-SMT 5.00/02/90 1.5SN BK TU	G.52
1869610000	LSF-SMT 5.00/03/90 1.5SN BK TU	G.52
1869620000	LSF-SMT 5.00/04/90 1.5SN BK TU	G.52
1869630000	LSF-SMT 5.00/05/90 1.5SN BK TU	G.52
1869640000	LSF-SMT 5.00/06/90 1.5SN BK TU	G.52
1869650000	LSF-SMT 5.00/07/90 1.5SN BK TU	G.52
1869660000	LSF-SMT 5.00/08/90 1.5SN BK TU	G.52
1869670000	LSF-SMT 5.08/02/90 1.5SN BK TU	G.58
1869680000	LSF-SMT 5.08/03/90 1.5SN BK TU	G.58
1869690000	LSF-SMT 5.08/04/90 1.5SN BK TU	G.58
1869700000	LSF-SMT 5.08/05/90 1.5SN BK TU	G.58
1869710000	LSF-SMT 5.08/06/90 1.5SN BK TU	G.58
1869720000	LSF-SMT 5.08/07/90 1.5SN BK TU	G.58
1869730000	LSF-SMT 5.08/08/90 1.5SN BK TU	G.58
1869740000	LSF-SMT 7.50/02/90 1.5SN BK TU	G.64
1869750000	LSF-SMT 7.50/03/90 1.5SN BK TU	G.64
1869760000	LSF-SMT 7.50/04/90 1.5SN BK TU	G.64
1869770000	LSF-SMT 7.50/05/90 1.5SN BK TU	G.64
1869780000	LSF-SMT 7.50/06/90 1.5SN BK TU	G.64
1869790000	LSF-SMT 7.50/07/90 1.5SN BK TU	G.64
1869800000	LSF-SMT 7.50/08/90 1.5SN BK TU	G.64
1869810000	LSF-SMT 7.62/02/180 1.5SN BK TU	G.74
1869830000	LSF-SMT 7.62/03/180 1.5SN BK TU	G.74

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1869840000	LSF-SMT 7.62/04/180 1.5SN BK TU	G.74
1869850000	LSF-SMT 7.62/05/180 1.5SN BK TU	G.74
1869860000	LSF-SMT 7.62/06/180 1.5SN BK TU	G.74
1869870000	LSF-SMT 7.62/07/180 1.5SN BK TU	G.74
1869880000	LSF-SMT 7.62/08/180 1.5SN BK TU	G.74
1869890000	LSF-SMT 3.81/02/180 1.5SN BK TU	G.50
1869900000	LSF-SMT 3.81/03/180 1.5SN BK TU	G.50
1869910000	LSF-SMT 3.81/04/180 1.5SN BK TU	G.50
1869920000	LSF-SMT 3.81/05/180 1.5SN BK TU	G.50
1869930000	LSF-SMT 3.81/06/180 1.5SN BK TU	G.50
1869940000	LSF-SMT 3.81/07/180 1.5SN BK TU	G.50
1869950000	LSF-SMT 3.81/08/180 1.5SN BK TU	G.50
1869960000	LSF-SMT 3.81/09/180 1.5SN BK TU	G.50
1869970000	LSF-SMT 3.81/10/180 1.5SN BK TU	G.50

1870000000

Order No.	Type	Page
1870000000	LSF-SMT 3.81/11/180 1.5SN BK TU	G.50
1870010000	LSF-SMT 3.81/12/180 1.5SN BK TU	G.50
1870140000	LSF-SMT 5.00/02/180 1.5SN BK TU	G.56
1870150000	LSF-SMT 5.00/03/180 1.5SN BK TU	G.56
1870160000	LSF-SMT 5.00/04/180 1.5SN BK TU	G.56
1870170000	LSF-SMT 5.00/05/180 1.5SN BK TU	G.56
1870180000	LSF-SMT 5.00/06/180 1.5SN BK TU	G.56
1870190000	LSF-SMT 5.00/07/180 1.5SN BK TU	G.56
1870200000	LSF-SMT 5.00/08/180 1.5SN BK TU	G.56
1870210000	LSF-SMT 5.08/02/180 1.5SN BK TU	G.62
1870220000	LSF-SMT 5.08/03/180 1.5SN BK TU	G.62
1870230000	LSF-SMT 5.08/04/180 1.5SN BK TU	G.62
1870240000	LSF-SMT 5.08/05/180 1.5SN BK TU	G.62
1870250000	LSF-SMT 5.08/06/180 1.5SN BK TU	G.62
1870260000	LSF-SMT 5.08/07/180 1.5SN BK TU	G.62
1870270000	LSF-SMT 5.08/08/180 1.5SN BK TU	G.62
1870280000	LSF-SMT 7.50/02/180 1.5SN BK TU	G.68
1870290000	LSF-SMT 7.50/03/180 1.5SN BK TU	G.68
1870300000	LSF-SMT 7.50/04/180 1.5SN BK TU	G.68
1870310000	LSF-SMT 7.50/05/180 1.5SN BK TU	G.68
1870320000	LSF-SMT 7.50/06/180 1.5SN BK TU	G.68
1870330000	LSF-SMT 7.50/07/180 1.5SN BK TU	G.68
1870340000	LSF-SMT 7.50/08/180 1.5SN BK TU	G.68
1870500000	LSF-SMT 3.50/02/90 1.5SN BK TU	G.40
1870530000	LSF-SMT 3.50/03/90 1.5SN BK TU	G.40
1870550000	LSF-SMT 3.50/04/90 1.5SN BK TU	G.40
1870580000	LSF-SMT 3.50/05/90 1.5SN BK TU	G.40
1870590000	LSF-SMT 3.50/06/90 1.5SN BK TU	G.40
1870640000	LSF-SMT 3.50/02/180 1.5SN BK TU	G.44
1870650000	LSF-SMT 3.50/03/180 1.5SN BK TU	G.44
1870660000	LSF-SMT 3.50/04/180 1.5SN BK TU	G.44
1870670000	LSF-SMT 3.50/05/180 1.5SN BK TU	G.44
1870680000	LSF-SMT 3.50/06/180 1.5SN BK TU	G.44
1870690000	LSF-SMT 3.50/07/180 1.5SN BK TU	G.44
1870700000	LSF-SMT 3.50/08/180 1.5SN BK TU	G.44
1870710000	LSF-SMT 3.50/09/180 1.5SN BK TU	G.44
1870720000	LSF-SMT 3.50/10/180 1.5SN BK TU	G.44
1870730000	LSF-SMT 3.50/11/180 1.5SN BK TU	G.44
1870740000	LSF-SMT 3.50/12/180 1.5SN BK TU	G.44
1871020000	LSF-SMT 3.50/07/90 1.5SN BK TU	G.40
1871030000	LSF-SMT 3.50/08/90 1.5SN BK TU	G.40
1871040000	LSF-SMT 3.50/09/90 1.5SN BK TU	G.40
1871050000	LSF-SMT 3.50/10/90 1.5SN BK TU	G.40
1871060000	LSF-SMT 3.50/11/90 1.5SN BK TU	G.40
1871070000	LSF-SMT 3.50/12/90 1.5SN BK TU	G.40
1871690000	BL-I/O 3.50/10F SN LTGY BX	I.54
1874280000	LSF-SMT 3.50/04/180 1.5SN BK RL	G.45
1874290000	LSF-SMT 7.62/06/90 3.5SN BK RL	G.71
1874300000	LSF-SMT 3.50/03/180 1.5SN BK RL	G.45
1874310000	LSF-SMT 3.50/05/180 1.5SN BK RL	G.45
1874320000	LSF-SMT 3.50/06/180 1.5SN BK RL	G.45
1874330000	LSF-SMT 7.62/06/90 1.5SN BK RL	G.71
1874340000	LSF-SMT 3.50/07/180 1.5SN BK RL	G.45
1874350000	LSF-SMT 3.50/08/180 1.5SN BK RL	G.45
1874360000	LSF-SMT 7.62/06/180 3.5SN BK RL	G.75
1874370000	LSF-SMT 3.50/09/180 1.5SN BK RL	G.45
1874380000	LSF-SMT 3.50/10/180 1.5SN BK RL	G.45
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Order No.	Type	Page
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1876900000	SL-SMT 5.08HC/07/270FL 3.2SN BK BX	K.64
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1877370000	SL-SMT 5.08HC/02/270GH 3.2SN BK BX	K.63
1877380000	SL-SMT 5.08HC/03/270GH 3.2SN BK BX	K.63
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1877780000	SL-SMT 5.08HC/06/270GL 1.5SN BK RL	K.63
1877790000	SL-SMT 5.08HC/07/270GL 1.5SN BK RL	K.63

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1878520000	LSF-SMT 5.08/04/90 1.5SN BK RL	G.59

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Order No.	Type	Page
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1882730000	SLDV-THR 5.00/14/180G 3.2SN BK BX	K.30
1882740000	SLDV-THR 5.00/18/180G 3.2SN BK BX	K.30
1882750000	SLDV-THR 5.00/22/180G 3.2SN BK BX	K.30
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1884550000	LSF-SMT 5.00/04/135 1.5SN BK TU	G.54
1884560000	LSF-SMT 5.00/05/135 1.5SN BK TU	G.54
1884570000	LSF-SMT 5.00/06/135 1.5SN BK TU	G.54
1884580000	LSF-SMT 5.00/07/135 1.5SN BK TU	G.54
1884590000	LSF-SMT 5.00/08/135 1.5SN BK TU	G.54
1884600000	LSF-SMT 5.00/09/135 1.5SN BK TU	G.54
1884660000	LSF-SMT 5.00/10/135 1.5SN BK TU	G.54
1884670000	LSF-SMT 5.00/11/135 1.5SN BK TU	G.54
1884680000	LSF-SMT 5.00/12/135 1.5SN BK TU	G.54
1884730000	LSF-SMT 5.08/02/135 1.5SN BK TU	G.60
1884740000	LSF-SMT 5.08/03/135 1.5SN BK TU	G.60
1884750000	LSF-SMT 5.08/04/135 1.5SN BK TU	G.60
1884760000	LSF-SMT 5.08/05/135 1.5SN BK TU	G.60
1884770000	LSF-SMT 5.08/06/135 1.5SN BK TU	G.60
1884780000	LSF-SMT 5.08/07/135 1.5SN BK TU	G.60
1884790000	LSF-SMT 5.08/08/135 1.5SN BK TU	G.60
1884800000	LSF-SMT 5.08/09/135 1.5SN BK TU	G.60
1884810000	LSF-SMT 5.08/10/135 1.5SN BK TU	G.60
1884820000	LSF-SMT 5.08/11/135 1.5SN BK TU	G.60
1884830000	LSF-SMT 5.08/12/135 1.5SN BK TU	G.60
1884880000	LSF-SMT 7.50/02/135 1.5SN BK TU	G.66
1884890000	LSF-SMT 7.50/03/135 1.5SN BK TU	G.66
1884900000	LSF-SMT 7.50/04/135 1.5SN BK TU	G.66
1884910000	LSF-SMT 7.50/05/135 1.5SN BK TU	G.66
1884920000	LSF-SMT 7.50/06/135 1.5SN BK TU	G.66
1884930000	LSF-SMT 7.50/07/135 1.5SN BK TU	G.66
1884940000	LSF-SMT 7.50/08/135 1.5SN BK TU	G.66
1884950000	LSF-SMT 7.62/02/135 1.5SN BK TU	G.72
1884960000	LSF-SMT 7.62/03/135 1.5SN BK TU	G.72
1884970000	LSF-SMT 7.62/04/135 1.5SN BK TU	G.72
1884980000	LSF-SMT 7.62/05/135 1.5SN BK TU	G.72
1884990000	LSF-SMT 7.62/06/135 1.5SN BK TU	G.72
1885000000	LSF-SMT 7.62/07/135 1.5SN BK TU	G.72
1885010000	LSF-SMT 7.62/08/135 1.5SN BK TU	G.72
1885020000	LSF-SMT 5.08/02/135 3.5SN BK TU	G.60
1885030000	LSF-SMT 5.08/03/135 3.5SN BK TU	G.60
1885040000	LSF-SMT 5.08/04/135 3.5SN BK TU	G.60
1885050000	LSF-SMT 5.08/05/135 3.5SN BK TU	G.60
1885060000	LSF-SMT 5.08/06/135 3.5SN BK TU	G.60
1885070000	LSF-SMT 5.08/07/135 3.5SN BK TU	G.60
1885080000	LSF-SMT 5.08/08/135 3.5SN BK TU	G.60
1885090000	LSF-SMT 5.08/09/135 3.5SN BK TU	G.60
1885100000	LSF-SMT 5.08/10/135 3.5SN BK TU	G.60
1885110000	LSF-SMT 5.08/11/135 3.5SN BK TU	G.60
1885120000	LSF-SMT 5.08/12/135 3.5SN BK TU	G.60
1885180000	LSF-SMT 3.50/02/135 1.5SN BK TU	G.42
1885190000	LSF-SMT 3.50/03/135 1.5SN BK TU	G.42
1885200000	LSF-SMT 3.50/04/135 1.5SN BK TU	G.42
1885210000	LSF-SMT 3.50/05/135 1.5SN BK TU	G.42
1885220000	LSF-SMT 3.50/06/135 1.5SN BK TU	G.42
1885230000	LSF-SMT 3.50/07/135 1.5SN BK TU	G.42

Order No.	Type	Page
1885240000	LSF-SMT 3.50/08/135 1.5SN BK TU	G.42
1885250000	LSF-SMT 3.50/09/135 1.5SN BK TU	G.42
1885260000	LSF-SMT 3.50/10/135 1.5SN BK TU	G.42
1885270000	LSF-SMT 3.50/11/135 1.5SN BK TU	G.42
1885280000	LSF-SMT 3.50/12/135 1.5SN BK TU	G.42
1885410000	LSF-SMT 3.81/02/135 1.5SN BK TU	G.48
1885420000	LSF-SMT 3.81/03/135 1.5SN BK TU	G.48
1885430000	LSF-SMT 3.81/04/135 1.5SN BK TU	G.48
1885440000	LSF-SMT 3.81/05/135 1.5SN BK TU	G.48
1885450000	LSF-SMT 3.81/06/135 1.5SN BK TU	G.48
1885460000	LSF-SMT 3.81/07/135 1.5SN BK TU	G.48
1885470000	LSF-SMT 3.81/08/135 1.5SN BK TU	G.48
1885480000	LSF-SMT 3.81/09/135 1.5SN BK TU	G.48
1885490000	LSF-SMT 3.81/10/135 1.5SN BK TU	G.48
1885510000	LSF-SMT 3.81/11/135 1.5SN BK TU	G.48
1885520000	LSF-SMT 3.81/12/135 1.5SN BK TU	G.48
1885650000	LSF-SMT 3.50/02/135 3.5SN BK TU	G.42
1885660000	LSF-SMT 3.50/03/135 3.5SN BK TU	G.42
1885670000	LSF-SMT 3.50/04/135 3.5SN BK TU	G.42
1885680000	LSF-SMT 3.50/05/135 3.5SN BK TU	G.42
1885690000	LSF-SMT 3.50/06/135 3.5SN BK TU	G.42
1885700000	LSF-SMT 3.50/07/135 3.5SN BK TU	G.42
1885710000	LSF-SMT 3.50/08/135 3.5SN BK TU	G.42
1885720000	LSF-SMT 3.50/09/135 3.5SN BK TU	G.42
1885730000	LSF-SMT 3.50/10/135 3.5SN BK TU	G.42
1885740000	LSF-SMT 3.50/11/135 3.5SN BK TU	G.42
1885750000	LSF-SMT 3.50/12/135 3.5SN BK TU	G.42
1885880000	LSF-SMT 3.81/02/135 3.5SN BK TU	G.48
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1885900000	LSF-SMT 3.81/04/135 3.5SN BK TU	G.48
1885910000	LSF-SMT 3.81/05/135 3.5SN BK TU	G.48
1885920000	LSF-SMT 3.81/06/135 3.5SN BK TU	G.48
1885930000	LSF-SMT 3.81/07/135 3.5SN BK TU	G.48
1885940000	LSF-SMT 3.81/08/135 3.5SN BK TU	G.48
1885950000	LSF-SMT 3.81/09/135 3.5SN BK TU	G.48
1885960000	LSF-SMT 3.81/10/135 3.5SN BK TU	G.48
1885970000	LSF-SMT 3.81/11/135 3.5SN BK TU	G.48
1885980000	LSF-SMT 3.81/12/135 3.5SN BK TU	G.48
1886110000	LSF-SMT 7.50/02/135 3.5SN BK TU	G.66
1886120000	LSF-SMT 7.50/03/135 3.5SN BK TU	G.66
1886130000	LSF-SMT 7.50/04/135 3.5SN BK TU	G.66
1886140000	LSF-SMT 7.50/05/135 3.5SN BK TU	G.66
1886150000	LSF-SMT 7.50/06/135 3.5SN BK TU	G.66
1886160000	LSF-SMT 7.50/07/135 3.5SN BK TU	G.66
1886170000	LSF-SMT 7.50/08/135 3.5SN BK TU	G.66
1886180000	LSF-SMT 7.62/02/135 3.5SN BK TU	G.72
1886190000	LSF-SMT 7.62/03/135 3.5SN BK TU	G.72
1886200000	LSF-SMT 7.62/04/135 3.5SN BK TU	G.72
1886210000	LSF-SMT 7.62/05/135 3.5SN BK TU	G.72
1886220000	LSF-SMT 7.62/06/135 3.5SN BK TU	G.72
1886230000	LSF-SMT 7.62/07/135 3.5SN BK TU	G.72
1886240000	LSF-SMT 7.62/08/135 3.5SN BK TU	G.72
1887110000	LSF-SMT 7.62/02/135 1.5SN BK RL	G.73
1887120000	LSF-SMT 7.62/03/135 1.5SN BK RL	G.73
1887130000	LSF-SMT 7.62/04/135 1.5SN BK RL	G.73
1887140000	LSF-SMT 7.62/05/135 1.5SN BK RL	G.73
1887150000	LSF-SMT 7.62/06/135 1.5SN BK RL	G.73
1887160000	LSF-SMT 7.62/02/135 3.5SN BK RL	G.73
1887170000	LSF-SMT 7.62/03/135 3.5SN BK RL	G.73
1887180000	LSF-SMT 7.62/04/135 3.5SN BK RL	G.73
1887190000	LSF-SMT 7.62/05/135 3.5SN BK RL	G.73
1887200000	LSF-SMT 7.62/06/135 3.5SN BK RL	G.73
1887340000	LSF-SMT 3.50/02/135 3.5SN BK RL	G.43
1887350000	LSF-SMT 3.50/03/135 3.5SN BK RL	G.43
1887360000	LSF-SMT 3.50/04/135 3.5SN BK RL	G.43
1887460000	LSF-SMT 3.50/05/135 3.5SN BK RL	G.43
1887470000	LSF-SMT 3.50/06/135 3.5SN BK RL	G.43
1887480000	LSF-SMT 3.50/07/135 3.5SN BK RL	G.43
1887490000	LSF-SMT 3.50/08/135 3.5SN BK RL	G.43
1887500000	LSF-SMT 3.50/09/135 3.5SN BK RL	G.43
1887510000	LSF-SMT 3.50/10/135 3.5SN BK RL	G.43
1887520000	LSF-SMT 3.50/11/135 3.5SN BK RL	G.43
1887530000	LSF-SMT 3.50/12/135 3.5SN BK RL	G.43
1887550000	LSF-SMT 3.50/02/135 1.5SN BK RL	G.43
1887560000	LSF-SMT 3.50/03/135 1.5SN BK RL	G.43
1887580000	LSF-SMT 3.50/04/135 1.5SN BK RL	G.43
1887630000	LSF-SMT 3.50/05/135 1.5SN BK RL	G.43
1887640000	LSF-SMT 3.50/06/135 1.5SN BK RL	G.43
1887650000	LSF-SMT 3.50/07/135 1.5SN BK RL	G.43
1887660000	LSF-SMT 3.50/08/135 1.5SN BK RL	G.43
1887670000	LSF-SMT 3.50/09/135 1.5SN BK RL	G.43
1887680000	LSF-SMT 3.50/10/135 1.5SN BK RL	G.43
1887690000	LSF-SMT 3.50/11/135 1.5SN BK RL	G.43
1887700000	LSF-SMT 3.50/12/135 1.5SN BK RL	G.43
1888320000	LSF-SMT 3.81/02/135 3.5SN BK RL	G.49
1888330000	LSF-SMT 3.81/03/135 3.5SN BK RL	G.49
1888340000	LSF-SMT 3.81/04/135 3.5SN BK RL	G.49
1888380000	LSF-SMT 3.81/05/135 3.5SN BK RL	G.49
1888390000	LSF-SMT 3.81/06/135 3.5SN BK RL	G.49
1888400000	LSF-SMT 3.81/07/135 3.5SN BK RL	G.49
1888410000	LSF-SMT 3.81/08/135 3.5SN BK RL	G.49
1888420000	LSF-SMT 3.81/09/135 3.5SN BK RL	G.49
1888430000	LSF-SMT 3.81/10/135 3.5SN BK RL	G.49
1888440000	LSF-SMT 3.81/11/135 3.5SN BK RL	G.49
1888450000	LSF-SMT 3.81/02/135 1.5SN BK RL	G.49
1888460000	LSF-SMT 3.81/03/135 1.5SN BK RL	G.49
1888470000	LSF-SMT 3.81/04/135 1.5SN BK RL	G.49
1888480000	LSF-SMT 3.81/05/135 1.5SN BK RL	G.49
1888490000	LSF-SMT 3.81/06/135 1.5SN BK RL	G.49

Order No.	Type	Page
1888500000	LSF-SMT 3.81/07/135 1.5SN BK RL	G.49
1888510000	LSF-SMT 3.81/08/135 1.5SN BK RL	G.49
1888520000	LSF-SMT 3.81/09/135 1.5SN BK RL	G.49
1888530000	LSF-SMT 3.81/10/135 1.5SN BK RL	G.49
1888540000	LSF-SMT 3.81/11/135 1.5SN BK RL	G.49
1888570000	LSF-SMT 5.00/02/135 1.5SN BK RL	G.55
1888580000	LSF-SMT 5.00/03/135 1.5SN BK RL	G.55
1888590000	LSF-SMT 5.00/04/135 1.5SN BK RL	G.55
1888600000	LSF-SMT 5.00/05/135 1.5SN BK RL	G.55
1888610000	LSF-SMT 5.00/06/135 1.5SN BK RL	G.55
1888620000	LSF-SMT 5.00/07/135 1.5SN BK RL	G.55
1888630000	LSF-SMT 5.00/08/135 1.5SN BK RL	G.55
1888640000	LSF-SMT 5.00/02/135 3.5SN BK RL	G.55
1888650000	LSF-SMT 5.00/03/135 3.5SN BK RL	G.55
1888660000	LSF-SMT 5.00/04/135 3.5SN BK RL	G.55
1888670000	LSF-SMT 5.00/05/135 3.5SN BK RL	G.55
1888680000	LSF-SMT 5.00/06/135 3.5SN BK RL	G.55
1888690000	LSF-SMT 5.00/07/135 3.5SN BK RL	G.55
1888700000	LSF-SMT 5.00/08/135 3.5SN BK RL	G.55
1888710000	LSF-SMT 5.08/02/135 1.5SN BK RL	G.61
1888720000	LSF-SMT 5.08/03/135 1.5SN BK RL	G.61
1888730000	LSF-SMT 5.08/04/135 1.5SN BK RL	G.61
1888740000	LSF-SMT 5.08/05/135 1.5SN BK RL	G.61
1888750000	LSF-SMT 5.08/06/135 1.5SN BK RL	G.61
1888760000	LSF-SMT 5.08/07/135 1.5SN BK RL	G.61
1888770000	LSF-SMT 5.08/08/135 1.5SN BK RL	G.61
1888780000	LSF-SMT 5.08/02/135 3.5SN BK RL	G.61
1888790000	LSF-SMT 5.08/03/135 3.5SN BK RL	G.61
1888810000	LSF-SMT 5.08/04/135 3.5SN BK RL	G.61
1888830000	LSF-SMT 5.08/05/135 3.5SN BK RL	G.61
1888840000	LSF-SMT 5.08/06/135 3.5SN BK RL	G.61
1888870000	LSF-SMT 5.08/07/135 3.5SN BK RL	G.61
1888880000	LSF-SMT 5.08/08/135 3.5SN BK RL	G.61
1888890000	LSF-SMT 7.50/02/135 1.5SN BK RL	G.67
1888910000	LSF-SMT 7.50/03/135 1.5SN BK RL	G.67
1888930000	LSF-SMT 7.50/04/135 1.5SN BK RL	G.67
1888940000	LSF-SMT 7.50/05/135 1.5SN BK RL	G.67
1888950000	LSF-SMT 7.50/06/135 1.5SN BK RL	G.67
1888970000	LSF-SMT 7.50/02/135 3.5SN BK RL	G.67
1888990000	LSF-SMT 7.50/03/135 3.5SN BK RL	G.67
1889000000	LSF-SMT 7.50/04/135 3.5SN BK RL	G.67
1889020000	LSF-SMT 7.50/05/135 3.5SN BK RL	G.67
1889030000	LSF-SMT 7.50/06/135 3.5SN BK RL	G.67

1890000000

1890220000	BLT 5.08HC/02/180LR SN OR BX	K.105
1890230000	BLT 5.08HC/03/180LR SN OR BX	K.105
1890240000	BLT 5.08HC/04/180LR SN OR BX	K.105
1890250000	BLT 5.08HC/05/180LR SN OR BX	K.105
1890260000	BLT 5.08HC/06/180LR SN OR BX	K.105
1890270000	BLT 5.08HC/07/180LR SN OR BX	K.105
1890280000	BLT 5.08HC/08/180LR SN OR BX	K.105
1890290000	BLT 5.08HC/09/180LR SN OR BX	K.105
1890300000	BLT 5.08HC/10/180LR SN OR BX	K.105
1890310000	BLT 5.08HC/11/180LR SN OR BX	K.105
1890320000	BLT 5.08HC/12/180LR SN OR BX	K.105
1890600000	SLD 3.50V/06/90G 3.2SN OR BX	I.44
1890610000	SLD 3.50V/14/90G 3.2SN OR BX	I.44
1890620000	SLD 3.50V/18/90G 3.2SN OR BX	I.44
1890790000	SLD 3.50V/06/90F 3.2SN OR BX	I.45
1890800000	SLD 3.50V/10/90F 3.2SN OR BX	I.45
1890810000	SLD 3.50V/14/90F 3.2SN OR BX	I.45
1890820000	SLD 3.50V/18/90F 3.2SN OR BX	I.45
1891060000	SLD 3.50 V/06/180F 3.2 SN OR BX	I.47
1891070000	SLD 3.50 V/10/180F 3.2 SN OR BX	I.47
1891080000	SLD 3.50 V/14/180F 3.2 SN OR BX	I.47
1891090000	SLD 3.50 V/18/180F 3.2 SN OR BX	I.47
1891100000	SLD 3.50 V/22/180F 3.2 SN OR BX	I.47
1891190000	SLD 3.50V/06/180G 3.2SN OR BX	I.46
1891200000	SLD 3.50V/10/180G 3.2SN OR BX	I.46

1910000000

1911290000	SLDV-THR 5.00/04/180GLF 3.2SN BK BX	K.31
1911310000	SLDV-THR 5.00/06/180GLF 3.2SN BK BX	K.31
1911320000	SLDV-THR 5.00/08/180GLF 3.2SN BK BX	K.31
1911330000	SLDV-THR 5.00/10/180GLF 3.2SN BK BX	K.31
1911340000	SLDV-THR 5.00/12/180GLF 3.2SN BK BX	K.31
1911350000	SLDV-THR 5.00/14/180GLF 3.2SN BK BX	K.31
1911360000	SLDV-THR 5.00/16/180GLF 3.2SN BK BX	K.31
1911370000	SLDV-THR 5.00/18/180GLF 3.2SN BK BX	K.31
1911410000	SLDV-THR 5.00/20/180GLF 3.2SN BK BX	K.31
1911470000	SLDV-THR 5.00/22/180GLF 3.2SN BK BX	K.31
1911500000	SLDV-THR 5.00/24/180GLF 3.2SN BK BX	K.31
1913780000	LMZF 5/2/135 3.50R	G.92
1913820000	LMZF 5/3/135 3.50R	G.92
1913960000	LMZF 5/4/135 3.50R	G.92
1914000000	LMZF 5/5/135 3.50R	G.92
1914020000	LMZF 5/6/135 3.50R	G.92
1914030000	LMZF 5/7/135 3.50R	G.92
1914040000	LMZF 5/8/135 3.50R	G.92
1914050000	LMZF 5/9/135 3.50R	G.92
1914070000	LMZF 5/10/135 3.50R	G.92
1914080000	LMZF 5/11/135 3.50R	G.92
1914090000	LMZF 5/12/135 3.50R	G.92
1914560000	LMZFL 5/2/135 3.50R	G.93
1914580000	LMZFL 5/3/135 3.50R	G.93
1914590000	LMZFL 5/4/135 3.50R	G.93

Order No.	Type	Page
1914600000	LMZFL 5/5/135 3.50R	G.93
1914640000	LMZFL 5/6/135 3.50R	G.93
1914720000	LMZFL 5/7/135 3.50R	G.93
1914790000	LMZFL 5/8/135 3.50R	G.93
1914830000	LMZFL 5/9/135 3.50R	G.93
1914860000	LMZFL 5/10/135 3.50R	G.93
1914990000	LMZFL 5/11/135 3.50R	G.93
1915030000	LMZFL 5/12/135 3.50R	G.93

1920000000

1921450000	LU 10.16/03/90 4.5SN BK BX	N.18
1924540000	BUZ 10.16HP/02/180 AG BK BX	0.202
1924550000	BUZ 10.16HP/03/180 AG BK BX	0.202
1924560000	BUZ 10.16HP/04/180 AG BK BX	0.202
1924570000	BUZ 10.16HP/05/180 AG BK BX	0.202
1924580000	BUZ 10.16HP/06/180 AG BK BX	0.202
1924620000	BUZ 10.16HP/02/180F AG BK BX	0.203
1924630000	BUZ 10.16HP/03/180F AG BK BX	0.203
1924640000	BUZ 10.16HP/04/180F AG BK BX	0.203
1924650000	BUZ 10.16HP/05/180F AG BK BX	0.203
1924660000	BUZ 10.16HP/06/180F AG BK BX	0.203
1924700000	BUZ 10.16HP/02/180SF AG BK BX	0.203
1924710000	BUZ 10.16HP/03/180SF AG BK BX	0.203
1924720000	BUZ 10.16HP/04/180SF AG BK BX	0.203
1924740000	BUZ 10.16HP/05/180SF AG BK BX	0.203
1924750000	BUZ 10.16HP/06/180SF AG BK BX	0.203
1928280000	BVL 7.62HP/02/90 3.5SN BK BX	0.178
1928290000	BVL 7.62HP/03/90 3.5SN BK BX	0.178
1928300000	BVL 7.62HP/04/90 3.5SN BK BX	0.178
1928390000	BVL 7.62HP/02/90FI 3.5SN BK BX	0.179
1928400000	BVL 7.62HP/03/90FI 3.5SN BK BX	0.179
1928410000	BVL 7.62HP/04/90FI 3.5SN BK BX	0.179
1928500000	BVL 7.62HP/02/90SFI 3.5SN BK BX	0.179
1928510000	BVL 7.62HP/03/90SFI 3.5SN BK BX	0.179
1928520000	BVL 7.62HP/04/90SFI 3.5SN BK BX	0.179
1928610000	BVL 7.62HP/02/180 3.5SN BK BX	0.180
1928620000	BVL 7.62HP/03/180 3.5SN BK BX	0.180
1928630000	BVL 7.62HP/04/180 3.5SN BK BX	0.180
1928730000	BVL 7.62HP/02/180FI 3.5SN BK BX	0.181
1928740000	BVL 7.62HP/03/180FI 3.5SN BK BX	0.181
1928750000	BVL 7.62HP/04/180FI 3.5SN BK BX	0.181
1928840000	BVL 7.62HP/02/180SFI 3.5SN BK BX	0.181
1928850000	BVL 7.62HP/03/180SFI 3.5SN BK BX	0.181
1928860000	BVL 7.62HP/04/180SFI 3.5SN BK BX	0.181
1929300000	BVL 7.62HP/02/270 3.5SN BK BX	0.182
1929310000	BVL 7.62HP/03/270 3.5SN BK BX	0.182
1929320000	BVL 7.62HP/04/270 3.5SN BK BX	0.182
1929410000	BVL 7.62HP/02/270FI 3.5SN BK BX	0.183
1929420000	BVL 7.62HP/03/270FI 3.5SN BK BX	0.183
1929430000	BVL 7.62HP/04/270FI 3.5SN BK BX	0.183
1929520000	BVL 7.62HP/02/270SFI 3.5SN BK BX	0.183
1929530000	BVL 7.62HP/03/270SFI 3.5SN BK BX	0.183
1929540000	BVL 7.62HP/04/270SFI 3.5SN BK BX	0.183
1929740000	BVZ 7.62HP/02/180SFC SN BK BX	0.161
1929750000	BVZ 7.62HP/03/180SFC SN BK BX	0.161
1929760000	BVZ 7.62HP/04/180SFC SN BK BX	0.161
1929770000	BVZ 7.62HP/05/180SFC SN BK BX	0.161
1929780000	BVZ 7.62HP/06/180SFC SN BK BX	0.161
1929790000	BVZ 7.62HP/07/180SFC SN BK BX	0.161
1929850000	BVZ 7.62HP/03/180RSH150 SN BK BX	0.162
1929860000	BVZ 7.62HP/04/180RSH150SN BK BX	0.162
1929870000	BVZ 7.62HP/05/180RSH150 SN BK BX	0.162
1929880000	BVZ 7.62HP/06/180RSH150 SN BK BX	0.162
1929890000	BVZ 7.62HP/03/180SH150C SN BK BX	0.164
1929900000	BVZ 7.62HP/04/180SH150C SN BK BX	0.164
1929910000	BVZ 7.62HP/05/180SH150C SN BK BX	0.164
1929920000	BVZ 7.62HP/06/180SH150C SN BK BX	0.164
1929930000	BVZ 7.62HP/02/180 SN BK BX	0.160
1929940000	BVZ 7.62HP/03/180 SN BK BX	0.160
1929950000	BVZ 7.62HP/04/180 SN BK BX	0.160
1929960000	BVZ 7.62HP/05/180 SN BK BX	0.160
1929970000	BVZ 7.62HP/06/180 SN BK BX	0.160
1929980000	BVZ 7.62HP/07/180 SN BK BX	0.160
1929990000	BVZ 7.62HP/08/180 SN BK BX	0.160

1930000000

1930000000	BVZ 7.62HP/09/180 SN BK BX	0.160
1930020000	BVZ 7.62HP/10/180 SN BK BX	0.160
1930030000	BVZ 7.62HP/11/180 SN BK BX	0.160
1930040000	BVZ 7.62HP/12/180 SN BK BX	0.160
1930050000	BVZ 7.62HP/02/180F SN BK BX	0.161
1930060000	BVZ 7.62HP/03/180F SN BK BX	0.161
1930070000	BVZ 7.62HP/04/180F SN BK BX	0.161
1930080000	BVZ 7.62HP/05/180F SN BK BX	0.161
1930090000	BVZ 7.62HP/06/180F SN BK BX	0.161
1930100000	BVZ 7.62HP/07/180F SN BK BX	0.161
1930110000	BVZ 7.62HP/08/180F SN BK BX	0.161
1930120000	BVZ 7.62HP/09/180F SN BK BX	0.161
1930130000	BVZ 7.62HP/10/180F SN BK BX	0.161
1930140000	BVZ 7.62HP/11/180F SN BK BX	0.161
1930150000	BVZ 7.62HP/12/180F SN BK BX	0.161
1930160000	BVZ 7.62HP/02/180SF SN BK BX	0.161
1930170000	BVZ 7.62HP/03/180SF SN BK BX	0.161
1930180000	BVZ 7.62HP/04/180SF SN BK BX	0.161
1930190000	BVZ 7.62HP/05/180SF SN BK BX	0.161
1930200000	BVZ 7.62HP/06/180SF SN BK BX	0.161
1930210000	BVZ 7.62HP/07/180SF SN BK BX	0.161

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1930220000	BVZ 7.62HP/08/180SF SN BK BX	0.161
1930230000	BVZ 7.62HP/09/180SF SN BK BX	0.161
1930240000	BVZ 7.62HP/10/180SF SN BK BX	0.161
1930250000	BVZ 7.62HP/11/180SF SN BK BX	0.161
1930260000	BVZ 7.62HP/12/180SF SN BK BX	0.161
1930270000	SV 7.62HP/02/90G 3.5SN BK BX	0.130
1930280000	SV 7.62HP/03/90G 3.5SN BK BX	0.130
1930290000	SV 7.62HP/04/90G 3.5SN BK BX	0.130
1930300000	SV 7.62HP/05/90G 3.5SN BK BX	0.130
1930310000	SV 7.62HP/06/90G 3.5SN BK BX	0.130
1930320000	SV 7.62HP/07/90G 3.5SN BK BX	0.130
1930330000	SV 7.62HP/08/90G 3.5SN BK BX	0.130
1930340000	SV 7.62HP/09/90G 3.5SN BK BX	0.130
1930350000	SV 7.62HP/10/90G 3.5SN BK BX	0.130
1930360000	SV 7.62HP/11/90G 3.5SN BK BX	0.130
1930370000	SV 7.62HP/12/90G 3.5SN BK BX	0.130
1930380000	SV 7.62HP/02/90F 3.5SN BK BX	0.131
1930390000	SV 7.62HP/03/90F 3.5SN BK BX	0.131
1930400000	SV 7.62HP/04/90F 3.5SN BK BX	0.131
1930410000	SV 7.62HP/05/90F 3.5SN BK BX	0.131
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1930430000	SV 7.62HP/07/90F 3.5SN BK BX	0.131
1930440000	SV 7.62HP/08/90F 3.5SN BK BX	0.131
1930450000	SV 7.62HP/09/90F 3.5SN BK BX	0.131
1930460000	SV 7.62HP/10/90F 3.5SN BK BX	0.131
1930470000	SV 7.62HP/11/90F 3.5SN BK BX	0.131
1930480000	SV 7.62HP/12/90F 3.5SN BK BX	0.131
1930490000	SV 7.62HP/02/90SF 3.5SN BK BX	0.131
1930500000	SV 7.62HP/03/90SF 3.5SN BK BX	0.131
1930510000	SV 7.62HP/04/90SF 3.5SN BK BX	0.131
1930520000	SV 7.62HP/05/90SF 3.5SN BK BX	0.131
1930530000	SV 7.62HP/06/90SF 3.5SN BK BX	0.131
1930540000	SV 7.62HP/07/90SF 3.5SN BK BX	0.131
1930550000	SV 7.62HP/08/90SF 3.5SN BK BX	0.131
1930560000	SV 7.62HP/09/90SF 3.5SN BK BX	0.131
1930570000	SV 7.62HP/10/90SF 3.5SN BK BX	0.131
1930580000	SV 7.62HP/11/90SF 3.5SN BK BX	0.131
1930590000	SV 7.62HP/12/90SF 3.5SN BK BX	0.131
1930600000	SV 7.62HP/02/180G 3.5SN BK BX	0.134
1930610000	SV 7.62HP/03/180G 3.5SN BK BX	0.134
1930620000	SV 7.62HP/04/180G 3.5SN BK BX	0.134
1930630000	SV 7.62HP/05/180G 3.5SN BK BX	0.134
1930640000	SV 7.62HP/06/180G 3.5SN BK BX	0.134
1930650000	SV 7.62HP/07/180G 3.5SN BK BX	0.134
1930660000	SV 7.62HP/08/180G 3.5SN BK BX	0.134
1930670000	SV 7.62HP/09/180G 3.5SN BK BX	0.134
1930680000	SV 7.62HP/10/180G 3.5SN BK BX	0.134
1930690000	SV 7.62HP/11/180G 3.5SN BK BX	0.134
1930700000	SV 7.62HP/12/180G 3.5SN BK BX	0.134
1930710000	SV 7.62HP/02/180F 3.5SN BK BX	0.135
1930720000	SV 7.62HP/03/180F 3.5SN BK BX	0.135
1930730000	SV 7.62HP/04/180F 3.5SN BK BX	0.135
1930740000	SV 7.62HP/05/180F 3.5SN BK BX	0.135
1930750000	SV 7.62HP/06/180F 3.5SN BK BX	0.135
1930760000	SV 7.62HP/07/180F 3.5SN BK BX	0.135
1930770000	SV 7.62HP/08/180F 3.5SN BK BX	0.135
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1930810000	SV 7.62HP/12/180F 3.5SN BK BX	0.135
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1930830000	SV 7.62HP/03/180SF 3.5SN BK BX	0.135
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1930850000	SV 7.62HP/05/180SF 3.5SN BK BX	0.135
1930860000	SV 7.62HP/06/180SF 3.5SN BK BX	0.135
1930870000	SV 7.62HP/07/180SF 3.5SN BK BX	0.135
1930880000	SV 7.62HP/08/180SF 3.5SN BK BX	0.135
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1930900000	SV 7.62HP/10/180SF 3.5SN BK BX	0.135
1930910000	SV 7.62HP/11/180SF 3.5SN BK BX	0.135
1930920000	SV 7.62HP/12/180SF 3.5SN BK BX	0.135
1931260000	SV 7.62HP/02/270G 3.5SN BK BX	0.138
1931270000	SV 7.62HP/03/270G 3.5SN BK BX	0.138
1931280000	SV 7.62HP/04/270G 3.5SN BK BX	0.138
1931290000	SV 7.62HP/05/270G 3.5SN BK BX	0.138
1931300000	SV 7.62HP/06/270G 3.5SN BK BX	0.138
1931310000	SV 7.62HP/07/270G 3.5SN BK BX	0.138
1931320000	SV 7.62HP/08/270G 3.5SN BK BX	0.138
1931330000	SV 7.62HP/09/270G 3.5SN BK BX	0.138
1931340000	SV 7.62HP/10/270G 3.5SN BK BX	0.138
1931350000	SV 7.62HP/11/270G 3.5SN BK BX	0.138
1931360000	SV 7.62HP/12/270G 3.5SN BK BX	0.138
1931370000	SV 7.62HP/02/270F 3.5SN BK BX	0.139
1931380000	SV 7.62HP/03/270F 3.5SN BK BX	0.139
1931390000	SV 7.62HP/04/270F 3.5SN BK BX	0.139
1931400000	SV 7.62HP/05/270F 3.5SN BK BX	0.139
1931410000	SV 7.62HP/06/270F 3.5SN BK BX	0.139
1931420000	SV 7.62HP/07/270F 3.5SN BK BX	0.139
1931430000	SV 7.62HP/08/270F 3.5SN BK BX	0.139
1931440000	SV 7.62HP/09/270F 3.5SN BK BX	0.139
1931450000	SV 7.62HP/10/270F 3.5SN BK BX	0.139
1931460000	SV 7.62HP/11/270F 3.5SN BK BX	0.139
1931470000	SV 7.62HP/12/270F 3.5SN BK BX	0.139
1931480000	SV 7.62HP/02/270SF 3.5SN BK BX	0.139
1931490000	SV 7.62HP/03/270SF 3.5SN BK BX	0.139
1931500000	SV 7.62HP/04/270SF 3.5SN BK BX	0.139
1931510000	SV 7.62HP/05/270SF 3.5SN BK BX	0.139
1931520000	SV 7.62HP/06/270SF 3.5SN BK BX	0.139
1931530000	SV 7.62HP/07/270SF 3.5SN BK BX	0.139

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1931540000	SV 7.62HP/08/270SF 3.5SN BK BX	Q.139
1931550000	SV 7.62HP/09/270SF 3.5SN BK BX	Q.139
1931570000	SV 7.62HP/10/270SF 3.5SN BK BX	Q.139
1931580000	SV 7.62HP/11/270SF 3.5SN BK BX	Q.139
1931590000	SV 7.62HP/12/270SF 3.5SN BK BX	Q.139
1933340000	BVZ 7.62HP/03/180RSH180 SN BK BX	Q.163
1933350000	BVZ 7.62HP/04/180RSH180 SN BK BX	Q.163
1933360000	BVZ 7.62HP/05/180RSH180 SN BK BX	Q.163
1933370000	BVZ 7.62HP/06/180RSH180 SN BK BX	Q.163
1933380000	BVZ 7.62HP/03/180SH180C SN BK BX	Q.165
1933390000	BVZ 7.62HP/04/180SH180C SN BK BX	Q.165
1933400000	BVZ 7.62HP/05/180SH180C SN BK BX	Q.165
1933410000	BVZ 7.62HP/06/180SH180C SN BK BX	Q.165
1933430000	BVZ 7.62HP/03/180RSH210 SN BK BX	Q.163
1933440000	BVZ 7.62HP/04/180RSH210 SN BK BX	Q.163
1933450000	BVZ 7.62HP/05/180RSH210 SN BK BX	Q.163
1933460000	BVZ 7.62HP/06/180RSH210 SN BK BX	Q.163
1933470000	BVZ 7.62HP/03/180SH210C SN BK BX	Q.165
1933480000	BVZ 7.62HP/04/180SH210C SN BK BX	Q.165
1933490000	BVZ 7.62HP/05/180SH210C SN BK BX	Q.165
1933500000	BVZ 7.62HP/06/180SH210C SN BK BX	Q.165
1934050000	WGKV 4 GY BX	Q.13
1934140000	LU 10.16/02/90 4.5SN BK BX	N.18
1934250000	LL 5.08/02/90 3.2SN OR BX	G.31
1934260000	LL 5.08/03/90 3.2SN OR BX	G.31
1934270000	LL 5.00/02/90 3.2SN OR BX	G.30
1934280000	LL 5.00/03/90 3.2SN OR BX	G.30
1934310000	LL2N 5.00/04/90 3.2SN OR BX	G.33
1934340000	LL3R 5.08/06/90 3.2SN OR BX	G.35
1934360000	LL3R 5.00/06/90 3.2SN OR BX	G.33
1936340000	SL-SMT 3.50/10/180LF 1.5SN BK RL	I.35
1936430000	DP VWGK 4 GY BX	Q.12
1936450000	DP WGK 4 GY BX	Q.12
1936480000	VWGK 4 GN/YE BX	Q.13
1936490000	VWGK 4 GY BX	Q.13
1936540000	WGK 4 GN/YE BX	Q.12
1936550000	WGK 4 GY BX	Q.12
1936560000	WGK 4/Z GN/YE BX	Q.12
1936570000	WGK 4/Z GY BX	Q.12
1936610000	WGKV 4 GN/YE BX	Q.13
1936620000	WGKV 4/Z GN/YE BX	Q.13
1936630000	WGKV 4/Z GY BX	Q.13
1936700000	DP WGK 16 GY BX	Q.18
1936710000	DP WGK 25 GY BX	Q.20
1937020000	DP WGK 95 GY BX	Q.24
1937030000	DP WGK 50	Q.22
1937120000	WGK 95F VP GN/YE BX	Q.25
1937130000	WGK 95F VP GY BX	Q.25
1937140000	WGK 95F VP/Z GY BX	Q.25
1937360000	WGK 95F VP/Z GN/YE BX	Q.25
1937370000	WGK 95 GN/YE BX	Q.24
1937380000	WGK 95 GY BX	Q.24
1937390000	WGK 95/Z GN/YE BX	Q.24
1937400000	WGK 95/Z GY BX	Q.24
1937550000	BV/SV 7.62HP/02 ZE GR	Q.70
1937550000	BV/SV 7.62HP/02 ZE GR	Q.160
1937550000	BV/SV 7.62HP/02 ZE GR	R.2
1937560000	BV/SV 7.62HP/04 ZE GR	Q.70
1937560000	BV/SV 7.62HP/04 ZE GR	Q.160
1937560000	BV/SV 7.62HP/04 ZE GR	R.2
1937590000	BV/SV 7.62HP KO	Q.10
1937590000	BV/SV 7.62HP KO	Q.12
1937590000	BV/SV 7.62HP KO	Q.14
1937590000	BV/SV 7.62HP KO	Q.16
1937590000	BV/SV 7.62HP KO	Q.18
1937590000	BV/SV 7.62HP KO	Q.20
1937590000	BV/SV 7.62HP KO	Q.22
1937590000	BV/SV 7.62HP KO	Q.24
1937590000	BV/SV 7.62HP KO	Q.26
1937590000	BV/SV 7.62HP KO	Q.28
1937590000	BV/SV 7.62HP KO	Q.30
1937590000	BV/SV 7.62HP KO	Q.32
1937590000	BV/SV 7.62HP KO	Q.34
1937590000	BV/SV 7.62HP KO	Q.36
1937590000	BV/SV 7.62HP KO	Q.38
1937590000	BV/SV 7.62HP KO	Q.40
1937590000	BV/SV 7.62HP KO	Q.42
1937590000	BV/SV 7.62HP KO	Q.44
1937590000	BV/SV 7.62HP KO	Q.46
1937590000	BV/SV 7.62HP KO	Q.50
1937590000	BV/SV 7.62HP KO	Q.52
1937590000	BV/SV 7.62HP KO	Q.64
1937590000	BV/SV 7.62HP KO	Q.66
1937590000	BV/SV 7.62HP KO	Q.68
1937590000	BV/SV 7.62HP KO	Q.70
1937590000	BV/SV 7.62HP KO	Q.126
1937590000	BV/SV 7.62HP KO	Q.128
1937590000	BV/SV 7.62HP KO	Q.130
1937590000	BV/SV 7.62HP KO	Q.132
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1937590000	BV/SV 7.62HP KO	Q.166
1937590000	BV/SV 7.62HP KO	Q.168
1937590000	BV/SV 7.62HP KO	Q.170
1937590000	BV/SV 7.62HP KO	Q.172
1937590000	BV/SV 7.62HP KO	Q.174
1937590000	BV/SV 7.62HP KO	Q.176
1937590000	BV/SV 7.62HP KO	Q.178
1937590000	BV/SV 7.62HP KO	Q.180
1937590000	BV/SV 7.62HP KO	Q.182
1937590000	BV/SV 7.62HP KO	R.4
1938010000	BL-I/O 3.50/10F NPN LED SN BK BX	I.58
1938020000	BL-I/O 3.50/30F NPN LED SN BK BX	I.59
1939820000	BCZ 3.81/02/90 SN OR BX	J.52
1939830000	BCZ 3.81/03/90 SN OR BX	J.52
1939840000	BCZ 3.81/04/90 SN OR BX	J.52
1939860000	BCZ 3.81/05/90 SN OR BX	J.52
1939870000	BCZ 3.81/06/90 SN OR BX	J.52
1939880000	BCZ 3.81/07/90 SN OR BX	J.52
1939890000	BCZ 3.81/08/90 SN OR BX	J.52
1939900000	BCZ 3.81/09/90 SN OR BX	J.52
1939910000	BCZ 3.81/10/90 SN OR BX	J.52
1939920000	BCZ 3.81/11/90 SN OR BX	J.52
1939930000	BCZ 3.81/12/90 SN OR BX	J.52
1939980000	BCZ 3.81/02/90F SN OR BX	J.53
1939990000	BCZ 3.81/03/90F SN OR BX	J.53

1940000000

1940000000	BCZ 3.81/04/90F SN OR BX	J.53
1940010000	BCZ 3.81/05/90F SN OR BX	J.53
1940020000	BCZ 3.81/06/90F SN OR BX	J.53
1940030000	BCZ 3.81/07/90F SN OR BX	J.53
1940040000	BCZ 3.81/08/90F SN OR BX	J.53
1940050000	BCZ 3.81/09/90F SN OR BX	J.53
1940060000	BCZ 3.81/10/90F SN OR BX	J.53
1940070000	BCZ 3.81/11/90F SN OR BX	J.53
1940080000	BCZ 3.81/12/90F SN OR BX	J.53
1940190000	BCZ 3.81/02/270 SN OR BX	J.53
1940200000	BCZ 3.81/03/270 SN OR BX	J.53
1940210000	BCZ 3.81/04/270 SN OR BX	J.53
1940220000	BCZ 3.81/05/270 SN OR BX	J.53
1940230000	BCZ 3.81/06/270 SN OR BX	J.53
1940240000	BCZ 3.81/07/270 SN OR BX	J.53
1940250000	BCZ 3.81/08/270 SN OR BX	J.53
1940260000	BCZ 3.81/09/270 SN OR BX	J.53
1940270000	BCZ 3.81/10/270 SN OR BX	J.53
1940280000	BCZ 3.81/11/270 SN OR BX	J.53
1940290000	BCZ 3.81/12/270 SN OR BX	J.53
1940460000	BCZ 3.81/02/270F SN OR BX	J.53
1940470000	BCZ 3.81/03/270F SN OR BX	J.53
1940480000	BCZ 3.81/04/270F SN OR BX	J.53
1940490000	BCZ 3.81/05/270F SN OR BX	J.53
1940500000	BCZ 3.81/06/270F SN OR BX	J.53
1940510000	BCZ 3.81/07/270F SN OR BX	J.53
1940520000	BCZ 3.81/08/270F SN OR BX	J.53
1940530000	BCZ 3.81/09/270F SN OR BX	J.53
1940540000	BCZ 3.81/10/270F SN OR BX	J.53
1940550000	BCZ 3.81/11/270F SN OR BX	J.53
1940560000	BCZ 3.81/12/270F SN OR BX	J.53
1940730000	BCZ 3.81/02/180 SN OR BX	J.48
1940740000	BCZ 3.81/03/180 SN OR BX	J.48
1940750000	BCZ 3.81/04/180 SN OR BX	J.48
1940760000	BCZ 3.81/05/180 SN OR BX	J.48
1940770000	BCZ 3.81/06/180 SN OR BX	J.48
1940780000	BCZ 3.81/07/180 SN OR BX	J.48
1940790000	BCZ 3.81/08/180 SN OR BX	J.48
1940800000	BCZ 3.81/09/180 SN OR BX	J.48
1940810000	BCZ 3.81/10/180 SN OR BX	J.48
1940820000	BCZ 3.81/11/180 SN OR BX	J.48
1940830000	BCZ 3.81/12/180 SN OR BX	J.48
1941010000	BCZ 3.81/02/180F SN OR BX	J.49
1941020000	BCZ 3.81/03/180F SN OR BX	J.49
1941030000	BCZ 3.81/04/180F SN OR BX	J.49
1941040000	BCZ 3.81/05/180F SN OR BX	J.49
1941050000	BCZ 3.81/06/180F SN OR BX	J.49
1941060000	BCZ 3.81/07/180F SN OR BX	J.49
1941070000	BCZ 3.81/08/180F SN OR BX	J.49
1941080000	BCZ 3.81/09/180F SN OR BX	J.49
1941090000	BCZ 3.81/10/180F SN OR BX	J.49
1941100000	BCZ 3.81/11/180F SN OR BX	J.49
1941110000	BCZ 3.81/12/180F SN OR BX	J.49
1942020000	SC 3.81/02/90G 3.2SN OR BX	J.26
1942040000	SC 3.81/03/90G 3.2SN OR BX	J.26
1942070000	SC 3.81/04/90G 3.2SN OR BX	J.26
1942090000	SC 3.81/05/90G 3.2SN OR BX	J.26
1942100000	SC 3.81/06/90G 3.2SN OR BX	J.26
1942120000	SC 3.81/07/90G 3.2SN OR BX	J.26
1942130000	SC 3.81/08/90G 3.2SN OR BX	J.26
1942140000	SC 3.81/09/90G 3.2SN OR BX	J.26
1942150000	SC 3.81/10/90G 3.2SN OR BX	J.26
1942160000	SC 3.81/11/90G 3.2SN OR BX	J.26
1942170000	SC 3.81/12/90G 3.2SN OR BX	J.26
1942450000	SC 3.81/02/90F 3.2SN OR BX	J.27
1942460000	SC 3.81/03/90F 3.2SN OR BX	J.27
1942470000	SC 3.81/04/90F 3.2SN OR BX	J.27
1942480000	SC 3.81/05/90F 3.2SN OR BX	J.27
1942490000	SC 3.81/06/90F 3.2SN OR BX	J.27
1942500000	SC 3.81/07/90F 3.2SN OR BX	J.27
1942510000	SC 3.81/08/90F 3.2SN OR BX	J.27
1942520000	SC 3.81/09/90F 3.2SN OR BX	J.27
1942530000	SC 3.81/10/90F 3.2SN OR BX	J.27
1942540000	SC 3.81/11/90F 3.2SN OR BX	J.27
1942550000	SC 3.81/12/90F 3.2SN OR BX	J.27
1942840000	SC 3.81/02/180G 3.2SN OR BX	J.28
1942850000	SC 3.81/03/180G 3.2SN OR BX	J.28
1942860000	SC 3.81/04/180G 3.2SN OR BX	J.28
1942870000	SC 3.81/05/180G 3.2SN OR BX	J.28
1942880000	SC 3.81/06/180G 3.2SN OR BX	J.28
1942890000	SC 3.81/07/180G 3.2SN OR BX	J.28
1942900000	SC 3.81/08/180G 3.2SN OR BX	J.28
1942910000	SC 3.81/09/180G 3.2SN OR BX	J.28
1942920000	SC 3.81/10/180G 3.2SN OR BX	J.28
1942930000	SC 3.81/11/180G 3.2SN OR BX	J.28
1942940000	SC 3.81/12/180G 3.2SN OR BX	J.28
1943180000	SC 3.81/02/180F 3.2SN OR BX	J.29
1943190000	SC 3.81/03/180F 3.2SN OR BX	J.29
1943200000	SC 3.81/04/180F 3.2SN OR BX	J.29
1943210000	SC 3.81/05/180F 3.2SN OR BX	J.29
1943220000	SC 3.81/06/180F 3.2SN OR BX	J.29
1943230000	SC 3.81/07/180F 3.2SN OR BX	J.29
1943240000	SC 3.81/08/180F 3.2SN OR BX	J.29
1943250000	SC 3.81/09/180F 3.2SN OR BX	J.29
1943260000	SC 3.81/10/180F 3.2SN OR BX	J.29
1943270000	SC 3.81/11/180F 3.2SN OR BX	J.29
1943280000	SC 3.81/12/180F 3.2SN OR BX	J.29
1943580000	BLZP 5.08HC/02/180 SN OR BX	K.96
1943590000	BLZP 5.08HC/03/180 SN OR BX	K.96
1943600000	BLZP 5.08HC/04/180 SN OR BX	K.96
1943610000	BLZP 5.08HC/05/180 SN OR BX	K.96
1943620000	BLZP 5.08HC/06/180 SN OR BX	K.96
1943630000	BLZP 5.08HC/07/180 SN OR BX	K.96
1943640000	BLZP 5.08HC/08/180 SN OR BX	K.96
1943650000	BLZP 5.08HC/09/180 SN OR BX	K.96
1943660000	BLZP 5.08HC/10/180 SN OR BX	K.96
1943670000	BLZP 5.08HC/11/180 SN OR BX	K.96
1943680000	BLZP 5.08HC/12/180 SN OR BX	K.96
1944090000	BLZP 5.08HC/02/180F SN OR BX	K.97
1944100000	BLZP 5.08HC/03/180F SN OR BX	K.97
1944110000	BLZP 5.08HC/04/180F SN OR BX	K.97
1944120000	BLZP 5.08HC/05/180F SN OR BX	K.97
1944130000	BLZP 5.08HC/06/180F SN OR BX	K.97
1944140000	BLZP 5.08HC/07/180F SN OR BX	K.97
1944150000	BLZP 5.08HC/08/180F SN OR BX	K.97
1944160000	BLZP 5.08HC/09/180F SN OR BX	K.97
1944170000	BLZP 5.08HC/10/180F SN OR BX	K.97
1944180000	BLZP 5.08HC/11/180F SN OR BX	K.97
1944190000	BLZP 5.08HC/12/180F SN OR BX	K.97
1944590000	B2L 3.50/06/180QV3 SN BK BX	I.18
1944600000	B2L 3.50/08/180QV4 SN BK BX	I.18
1944610000	B2L 3.50/10/180QV5 SN BK BX	I.18
1944620000	B2L 3.50/12/180QV6 SN BK BX	I.18
1944630000	B2L 3.50/14/180QV7 SN BK BX	I.18
1944640000	B2L 3.50/16/180QV8 SN BK BX	I.18
1944650000	B2L 3.50/18/180QV9 SN BK BX	I.18
1944670000	B2L 3.50/06/180FQV3 SN BK BX	I.19
1944680000	B2L 3.50/08/180FQV4 SN BK BX	I.19
1944690000	B2L 3.50/10/180FQV5 SN BK BX	I.19
1944700000	B2L 3.50/12/180FQV6 SN BK BX	I.19
1944710000	B2L 3.50/14/180FQV7 SN BK BX	I.19
1944720000	B2L 3.50/16/180FQV8 SN BK BX PRT	I.19
1944730000	B2L 3.50/18/180FQV9 SN BK BX	I.19
1944750000	B2L 3.50/06/180LHQV3 SN BK BX	I.19
1944760000	B2L 3.50/08/180LHQV4 SN BK BX	I.19
1944770000	B2L 3.50/10/180LHQV5 SN BK BX	I.19
1944780000	B2L 3.50/12/180LHQV6 SN BK BX	I.19
1944790000	B2L 3.50/14/180LHQV7 SN BK BX	I.19
1944800000	B2L 3.50/16/180LHQV8 SN BK BX	I.19
1944810000	B2L 3.50/18/180LHQV9 SN BK BX	I.19
1944830000	BLZP 5.08HC/02/180LR SN OR BX	K.97
1944840000	BLZP 5.08HC/03/180LR SN OR BX	K.97
1944850000	BLZP 5.08HC/04/180LR SN OR BX	K.97
1944860000	BLZP 5.08HC/05/180LR SN OR BX	K.97
1944870000	BLZP 5.08HC/06/180LR SN OR BX	K.97
1944880000	BLZP 5.08HC/07/180LR SN OR BX	K.97
1944890000	BLZP 5.08HC/08/180LR SN OR BX	K.97
1944900000	BLZP 5.08HC/09/180LR SN OR BX	K.97
1944910000	BLZP 5.08HC/10/180LR SN OR BX	K.97
1944920000	BLZP 5.08HC/11/180LR SN OR BX	K.97
1944930000	BLZP 5.08HC/12/180LR SN OR BX	K.97
1945750000	BLZP 5.08HC/02/225B SN OR BX	K.103
1945760000	BLZP 5.08HC/03/225B SN OR BX	K.103
1945770000	BLZP 5.08HC/04/225B SN OR BX	K.103
1945780000	BLZP 5.08HC/05/225B SN OR BX	K.103
1945790000	BLZP 5.08HC/06/225B SN OR BX	K.103
1945800000	BLZP 5.08HC/07/225B SN OR BX	K.103
1945810000	BLZP 5.08HC/08/225B SN OR BX	K.103
1945820000	BLZP 5.08HC/09/225B SN OR BX	K.103
1945830000	BLZP 5.08HC/10/225B SN OR BX	K.103
1945840000	BLZP 5.08HC/11/225B SN OR BX	K.103
1945850000	BLZP 5.08HC/12/225B SN OR BX	K.103
1946250000	BLZP 5.08HC/02/225 SN OR BX	K.102
1946260000	BLZP 5.08HC/03/225 SN OR BX	K.102
1946270000	BLZP 5.08HC/04/225 SN OR BX	K.102
1946280000	BLZP 5.08HC/05/225 SN OR BX	K.102
1946290000	BLZP 5.08HC/06/225 SN OR BX	K.102
1946300000	BLZP 5.08HC/07/225 SN OR BX	K.102
1946310000	BLZP 5.08HC/08/225 SN OR BX	K.102
1946320000	BLZP 5.08HC/09/225 SN OR BX	K.102
1946330000	BLZP 5.08HC/10/225 SN OR BX	K.102
1946340000	BLZP 5.08HC/11/225 SN OR BX	K.102
1946350000	BLZP 5.08HC/12/225 SN OR BX	K.102
1947480000	SUZ 10.16HP/02/180G AG BK BX	Q.200
1947490000	SUZ 10.16HP/03/180G AG BK BX	Q.200
1947500000	SUZ 10.16HP/04/180G AG BK BX	Q.200
1947510000	SUZ 10.16HP/05/180G AG BK BX	Q.200
1947530000	BLZP 5.08HC/02/270LR SN OR BX	K.101
1947540000	BLZP 5.08HC/03/270LR SN OR BX	K.101
1947550000	BLZP 5.08HC/04/270LR SN OR BX	K.101
1947560000	BLZP 5.08HC/05/270LR SN OR BX	K.101
1947570000	BLZP 5.08HC/06/270LR SN OR BX	K.101
1947580000	BLZP 5.08HC/07/270LR SN OR BX	K.101
1947590000	BLZP 5.08HC/08/270LR SN OR BX	K.101
1947600000	BLZP 5.08HC/09/270LR SN OR BX	K.101
1947610000	BLZP 5.08HC/10/270LR SN OR BX	K.101
1947620000	BLZP 5.08HC/11/270LR SN OR BX	K.101
1947630000	BLZP 5.08HC/12/270LR SN OR BX	K.101
1948000000	BLZP 5.08HC/02/90 SN OR BX	K.98
1948010000	BLZP 5.08HC/03/90 SN OR BX	K.98
1948020000	BLZP 5.08HC/04/90 SN OR BX	K.98
1948030000	BLZP 5.08HC/05/90 SN OR BX	K.98
1948040000	BLZP 5.08HC/06/90 SN OR BX	K.98
1948050000	BLZP 5.08HC/07/90 SN OR BX	K.98
1948060000	BLZP 5.08HC/08/90 SN OR BX	K.98
1948070000	BLZP 5.08HC/09/90 SN OR BX	K.98
1948080000	BLZP 5.08HC/10/90 SN OR BX	K.98
1948100000	BLZP 5.08HC/11/90 SN OR BX	K.98
1948110000	BLZP 5.08HC/12/90 SN OR BX	K.98
1948790000	BLZP 5.08HC/02/270 SN OR BX	K.100
1948800000	BLZP 5.08HC/03/270 SN OR BX	K.100
1948810000	BLZP 5.08HC/04/270 SN OR BX	K.100
1948820000	BLZP 5.08HC/05/270 SN OR BX	K.100
1948830000	BLZP 5.08HC/06/270 SN OR BX	K.100
1948840000	BLZP 5.08HC/07/270 SN OR BX	K.100
1948850000	BLZP 5.08HC/08/270 SN OR BX	K.100
1948860000	BLZP 5.08HC/09/270 SN OR BX	K.100
1948870000	BLZP 5.08HC/10/270 SN OR BX	K.100
1948880000	BLZP 5.08HC/11/270 SN OR BX	K.100
1948890000	BLZP 5.08HC/12/270 SN OR BX	K.100
1949800000	BLZP 5.08HC/02/90F SN OR BX	K.99
1949810000	BLZP 5.08HC/03/90F SN OR BX	K.99
1949820000	BLZP 5.08HC/04/90F SN OR BX	K.99
1949830000	BLZP 5.08HC/05/90F SN OR BX	K.99
1949840000	BLZP 5.08HC/06/90F SN OR BX	K.99
1949850000	BLZP 5.08HC/07/90F SN OR BX	K.99
1949860000	BLZP 5.08HC/08/90F SN OR BX	K.99
1949870000	BLZP 5.08HC/09/90F SN OR BX	K.99
1949880000	BLZP 5.08HC/10/90F SN OR BX	K.99
1949890000	BLZP 5.08HC/11/90F SN OR BX	K.99
1949900000	BLZP 5.08HC/12/90F SN OR BX	K.99

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1950310000	BLZP 5.08HC/02/270F SN OR BX	K.101
1950320000	BLZP 5.08HC/03/270F SN OR BX	K.101
1950330000	BLZP 5.08HC/04/270F SN OR BX	K.101
1950340000	BLZP 5.08HC/05/270F SN OR BX	K.101
1950350000	BLZP 5.08HC/06/270F SN OR BX	K.101
1950360000	BLZP 5.08HC/07/270F SN OR BX	K.101
1950370000	BLZP 5.08HC/08/270F SN OR BX	K.101
1950380000	BLZP 5.08HC/09/270F SN OR BX	K.101
1950390000	BLZP 5.08HC/10/270F SN OR BX	K.101
1950400000	BLZP 5.08HC/11/270F SN OR BX	K.101
1950410000	BLZP 5.08HC/12/270F SN OR BX	K.101
1952570000	LMZF 7/2/135 3.50R	G.94
1952580000	LMZF 7/3/135 3.50R	G.94
1952590000	LMZF 7/4/135 3.50R	G.94
1952600000	LMZF 7/5/135 3.50R	G.94
1952610000	LMZF 7/6/135 3.50R	G.94
1952620000	LMZF 7/7/135 3.50R	G.94
1952630000	LMZF 7/8/135 3.50R	G.94
1952640000	LMZF 7/9/135 3.50R	G.94
1952650000	LMZF 7/10/135 3.50R	G.94
1952660000	LMZF 7/11/135 3.50R	G.94
1952670000	LMZF 7/12/135 3.50R	G.94
1953010000	LMZFL 7/2/135 3.50R	G.95
1953020000	LMZFL 7/3/135 3.50R	G.95
1953030000	LMZFL 7/4/135 3.50R	G.95
1953040000	LMZFL 7/5/135 3.50R	G.95
1953050000	LMZFL 7/6/135 3.50R	G.95
1953060000	LMZFL 7/7/135 3.50R	G.95
1953070000	LMZFL 7/8/135 3.50R	G.95
1953080000	LMZFL 7/9/135 3.50R	G.95
1953090000	LMZFL 7/10/135 3.50R	G.95
1953100000	LMZFL 7/11/135 3.50R	G.95
1953110000	LMZFL 7/12/135 3.50R	G.95
1953470000	LMZF 10/2/135 3.50R	G.96
1953480000	LMZF 10/3/135 3.50R	G.96
1953490000	LMZF 10/4/135 3.50R	G.96
1953500000	LMZF 10/5/135 3.50R	G.96
1953510000	LMZF 10/6/135 3.50R	G.96
1953520000	LMZF 10/7/135 3.50R	G.96

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1953530000	LMZF 10/8/135 3.50R	G.96
1953540000	LMZF 10/9/135 3.50R	G.96
1953550000	LMZF 10/10/135 3.50R	G.96
1953560000	LMZF 10/11/135 3.50R	G.96
1953570000	LMZF 10/12/135 3.50R	G.96
1953930000	LMZFL 10/2/135 3.50R	G.97
1953940000	LMZFL 10/3/135 3.50R	G.97
1953950000	LMZFL 10/4/135 3.50R	G.97
1953960000	LMZFL 10/5/135 3.50R	G.97
1953970000	LMZFL 10/6/135 3.50R	G.97
1953980000	LMZFL 10/7/135 3.50R	G.97
1953990000	LMZFL 10/8/135 3.50R	G.97
1954000000	LMZFL 10/9/135 3.50R	G.97
1954010000	LMZFL 10/10/135 3.50R	G.97
1954020000	LMZFL 10/11/135 3.50R	G.97
1954030000	LMZFL 10/12/135 3.50R	G.97
1954390000	BLZP 5.00HC/12/180 SN OR BX	K.40
1954400000	BLZP 5.00HC/11/180 SN OR BX	K.40
1954410000	BLZP 5.00HC/10/180 SN OR BX	K.40
1954420000	BLZP 5.00HC/09/180 SN OR BX	K.40
1954430000	BLZP 5.00HC/08/180 SN OR BX	K.40
1954440000	BLZP 5.00HC/07/180 SN OR BX	K.40
1954450000	BLZP 5.00HC/06/180 SN OR BX	K.40
1954460000	BLZP 5.00HC/05/180 SN OR BX	K.40
1954470000	BLZP 5.00HC/04/180 SN OR BX	K.40
1954480000	BLZP 5.00HC/03/180 SN OR BX	K.40
1954490000	BLZP 5.00HC/02/180 SN OR BX	K.40
1955700000	BLZP 5.00HC/12/180F SN OR BX	K.41
1955710000	BLZP 5.00HC/11/180F SN OR BX	K.41
1955720000	BLZP 5.00HC/10/180F SN OR BX	K.41
1955730000	BLZP 5.00HC/09/180F SN OR BX	K.41
1955740000	BLZP 5.00HC/08/180F SN OR BX	K.41
1955750000	BLZP 5.00HC/07/180F SN OR BX	K.41
1955760000	BLZP 5.00HC/06/180F SN OR BX	K.41
1955770000	BLZP 5.00HC/05/180F SN OR BX	K.41
1955780000	BLZP 5.00HC/04/180F SN OR BX	K.41
1955790000	BLZP 5.00HC/03/180F SN OR BX	K.41
1955800000	BLZP 5.00HC/02/180F SN OR BX	K.41
1956270000	BLZP 5.00HC/12/180LR SN OR BX	K.41
1956280000	BLZP 5.00HC/11/180LR SN OR BX	K.41
1956290000	BLZP 5.00HC/10/180LR SN OR BX	K.41
1956300000	BLZP 5.00HC/09/180LR SN OR BX	K.41
1956310000	BLZP 5.00HC/08/180LR SN OR BX	K.41
1956320000	BLZP 5.00HC/07/180LR SN OR BX	K.41
1956330000	BLZP 5.00HC/06/180LR SN OR BX	K.41
1956340000	BLZP 5.00HC/05/180LR SN OR BX	K.41
1956350000	BLZP 5.00HC/04/180LR SN OR BX	K.41
1956360000	BLZP 5.00HC/03/180LR SN OR BX	K.41
1956370000	BLZP 5.00HC/02/180LR SN OR BX	K.41
1958120000	BLZP 5.00HC/12/90 SN OR BX	K.42
1958130000	BLZP 5.00HC/11/90 SN OR BX	K.42
1958160000	BLZP 5.00HC/10/90 SN OR BX	K.42
1958190000	BLZP 5.00HC/09/90 SN OR BX	K.42
1958230000	BLZP 5.00HC/08/90 SN OR BX	K.42
1958250000	BLZP 5.00HC/07/90 SN OR BX	K.42
1958260000	BLZP 5.00HC/06/90 SN OR BX	K.42
1958270000	BLZP 5.00HC/05/90 SN OR BX	K.42
1958280000	BLZP 5.00HC/04/90 SN OR BX	K.42
1958290000	BLZP 5.00HC/03/90 SN OR BX	K.42
1958300000	BLZP 5.00HC/02/90 SN OR BX	K.42
1958780000	BLZP 5.00HC/11/270 SN OR BX	K.44
1958790000	BLZP 5.00HC/10/270 SN OR BX	K.44
1958800000	BLZP 5.00HC/09/270 SN OR BX	K.44
1958810000	BLZP 5.00HC/08/270 SN OR BX	K.44
1958820000	BLZP 5.00HC/07/270 SN OR BX	K.44
1958830000	BLZP 5.00HC/06/270 SN OR BX	K.44
1958840000	BLZP 5.00HC/05/270 SN OR BX	K.44
1958850000	BLZP 5.00HC/04/270 SN OR BX	K.44
1958860000	BLZP 5.00HC/03/270 SN OR BX	K.44
1958870000	BLZP 5.00HC/02/270 SN OR BX	K.44
1959150000	BLZP 5.00HC/12/270 SN OR BX	K.44
1959370000	BLZP 5.00HC/12/90F SN OR BX	K.43
1959390000	BLZP 5.00HC/11/90F SN OR BX	K.43
1959430000	BLZP 5.00HC/10/90F SN OR BX	K.43
1959440000	BLZP 5.00HC/09/90F SN OR BX	K.43
1959450000	BLZP 5.00HC/12/270F SN OR BX	K.45
1959460000	BLZP 5.00HC/08/90F SN OR BX	K.43
1959470000	BLZP 5.00HC/07/90F SN OR BX	K.43
1959480000	BLZP 5.00HC/06/90F SN OR BX	K.43
1959490000	BLZP 5.00HC/05/90F SN OR BX	K.43
1959500000	BLZP 5.00HC/04/90F SN OR BX	K.43
1959510000	BLZP 5.00HC/03/90F SN OR BX	K.43
1959520000	BLZP 5.00HC/02/90F SN OR BX	K.43

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1960370000	BLZP 5.00HC/11/270F SN OR BX	K.45
1960380000	BLZP 5.00HC/10/270F SN OR BX	K.45
1960390000	BLZP 5.00HC/09/270F SN OR BX	K.45
1960400000	BLZP 5.00HC/08/270F SN OR BX	K.45
1960410000	BLZP 5.00HC/07/270F SN OR BX	K.45
1960420000	BLZP 5.00HC/06/270F SN OR BX	K.45
1960430000	BLZP 5.00HC/05/270F SN OR BX	K.45
1960440000	BLZP 5.00HC/04/270F SN OR BX	K.45
1960450000	BLZP 5.00HC/03/270F SN OR BX	K.45
1960460000	BLZP 5.00HC/02/270F SN OR BX	K.45
1960860000	BLZP 5.00HC/12/270LR SN OR BX	K.45
1960870000	BLZP 5.00HC/11/270LR SN OR BX	K.45
1960880000	BLZP 5.00HC/10/270LR SN OR BX	K.45
1960890000	BLZP 5.00HC/09/270LR SN OR BX	K.45
1960900000	BLZP 5.00HC/08/270LR SN OR BX	K.45
1960910000	BLZP 5.00HC/07/270LR SN OR BX	K.45
1960920000	BLZP 5.00HC/06/270LR SN OR BX	K.45
1960930000	BLZP 5.00HC/05/270LR SN OR BX	K.45
1960940000	BLZP 5.00HC/04/270LR SN OR BX	K.45
1960950000	BLZP 5.00HC/03/270LR SN OR BX	K.45
1960960000	BLZP 5.00HC/02/270LR SN OR BX	K.45
1962250000	MTA 45 BK	S.51
1965750000	DP VWGK 6 GY BX	Q.14
1965750000	DP VWGK 6 GY BX	Q.16
1965940000	BL-I/O 3.50/10F PNP LED SN LTGY BX	I.56
1965970000	BL-I/O 3.50/30F PNP LED SN LTGY BX	I.57
1966920000	SUZ 10.16HP/06/180G AG BK BX	Q.200
1968900000	SC-SMT 3.81 K0 GY BX	J.10
1968900000	SC-SMT 3.81 K0 GY BX	J.12
1968900000	SC-SMT 3.81 K0 GY BX	J.14
1968900000	SC-SMT 3.81 K0 GY BX	J.16
1968900000	SC-SMT 3.81 K0 GY BX	J.18
1968900000	SC-SMT 3.81 K0 GY BX	J.20
1968900000	SC-SMT 3.81 K0 GY BX	J.22
1968900000	SC-SMT 3.81 K0 GY BX	J.24
1968900000	SC-SMT 3.81 K0 GY BX	J.26
1968900000	SC-SMT 3.81 K0 GY BX	J.28
1968900000	SC-SMT 3.81 K0 GY BX	J.30
1968900000	SC-SMT 3.81 K0 GY BX	J.32
1968900000	SC-SMT 3.81 K0 GY BX	J.34
1968900000	SC-SMT 3.81 K0 GY BX	J.36
1968900000	SC-SMT 3.81 K0 GY BX	J.38
1968900000	SC-SMT 3.81 K0 GY BX	J.40
1968900000	SC-SMT 3.81 K0 GY BX	J.42
1968900000	SC-SMT 3.81 K0 GY BX	J.44
1968900000	SC-SMT 3.81 K0 GY BX	J.46
1969090000	BCF 3.81/02/180 SN OR BX	J.54
1969100000	BCF 3.81/03/180 SN OR BX	J.54
1969110000	BCF 3.81/04/180 SN OR BX	J.54
1969120000	BCF 3.81/05/180 SN OR BX	J.54
1969130000	BCF 3.81/06/180 SN OR BX	J.54
1969140000	BCF 3.81/07/180 SN OR BX	J.54
1969150000	BCF 3.81/08/180 SN OR BX	J.54
1969160000	BCF 3.81/09/180 SN OR BX	J.54
1969170000	BCF 3.81/10/180 SN OR BX	J.54
1969180000	BCF 3.81/11/180 SN OR BX	J.54
1969190000	BCF 3.81/12/180 SN OR BX	J.54
1969520000	SCZ 3.81/02/180G SN OR BX	J.44
1969540000	SCZ 3.81/03/180G SN OR BX	J.44
1969560000	SCZ 3.81/04/180G SN OR BX	J.44
1969570000	SCZ 3.81/05/180G SN OR BX	J.44
1969580000	SCZ 3.81/06/180G SN OR BX	J.44
1969590000	SCZ 3.81/07/180G SN OR BX	J.44
1969610000	SCZ 3.81/08/180G SN OR BX	J.44
1969630000	SCZ 3.81/09/180G SN OR BX	J.44
1969640000	SCZ 3.81/10/180G SN OR BX	J.44
1969660000	SCZ 3.81/11/180G SN OR BX	J.44
1969670000	SCZ 3.81/12/180G SN OR BX	J.44

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Order No.	Type	Page
1970260000	SCZ 3.81/02/180FI SN OR BX	J.45
1970270000	SCZ 3.81/03/180FI SN OR BX	J.45
1970300000	BCF 3.81/02/180F SN OR BX	J.55
1970310000	SCZ 3.81/04/180FI SN OR BX	J.45
1970320000	SCZ 3.81/05/180FI SN OR BX	J.45
1970330000	BCF 3.81/03/180F SN OR BX	J.55
1970340000	SCZ 3.81/06/180FI SN OR BX	J.45
1970350000	SCZ 3.81/07/180FI SN OR BX	J.45
1970360000	SCZ 3.81/08/180FI SN OR BX	J.45
1970370000	BCF 3.81/04/180F SN OR BX	J.55
1970380000	BCF 3.81/05/180F SN OR BX	J.55
1970390000	SCZ 3.81/09/180FI SN OR BX	J.45
1970400000	BCF 3.81/06/180F SN OR BX	J.55
1970410000	SCZ 3.81/10/180FI SN OR BX	J.45
1970420000	SCZ 3.81/11/180FI SN OR BX	J.45
1970430000	SCZ 3.81/12/180FI SN OR BX	J.45
1970440000	BCF 3.81/07/180F SN OR BX	J.55
1970550000	BCF 3.81/08/180F SN OR BX	J.55
1970570000	BCF 3.81/09/180F SN OR BX	J.55
1970580000	BCF 3.81/10/180F SN OR BX	J.55
1970620000	BCF 3.81/11/180F SN OR BX	J.55
1970650000	BCF 3.81/12/180F SN OR BX	J.55
1970910000	SCZ 3.81/02/180F SN OR BX	J.45
1970920000	SCZ 3.81/03/180F SN OR BX	J.45
1970930000	SCZ 3.81/04/180F SN OR BX	J.45
1970940000	SCZ 3.81/05/180F SN OR BX	J.45
1970960000	SCZ 3.81/06/180F SN OR BX	J.45
1970970000	SCZ 3.81/07/180F SN OR BX	J.45
1970980000	SCZ 3.81/08/180F SN OR BX	J.45
1970990000	SCZ 3.81/09/180F SN OR BX	J.45
1971000000	SCZ 3.81/10/180F SN OR BX	J.45
1971010000	SCZ 3.81/11/180F SN OR BX	J.45
1971020000	SCZ 3.81/12/180F SN OR BX	J.45
1972790000	SCD 3.81/04/90G 3.2SN OR BX	J.34
1972800000	SCD 3.81/06/90G 3.2SN OR BX	J.34
1972810000	SCD 3.81/08/90G 3.2SN OR BX	J.34
1972820000	SCD 3.81/10/90G 3.2SN OR BX	J.34
1972830000	SCD 3.81/12/90G 3.2SN OR BX	J.34
1972840000	SCD 3.81/14/90G 3.2SN OR BX	J.34
1972850000	SCD 3.81/16/90G 3.2SN OR BX	J.34
1972860000	SCD 3.81/18/90G 3.2SN OR BX	J.34
1972870000	SCD 3.81/20/90G 3.2SN OR BX	J.34
1972880000	SCD 3.81/22/90G 3.2SN OR BX	J.34
1972890000	SCD 3.81/24/90G 3.2SN OR BX	J.34
1973260000	SCD 3.81/04/90F 3.2SN OR BX	J.35
1973270000	SCD 3.81/06/90F 3.2SN OR BX	J.35
1973280000	SCD 3.81/08/90F 3.2SN OR BX	J.35
1973290000	SCD 3.81/10/90F 3.2SN OR BX	J.35
1973300000	SCD 3.81/12/90F 3.2SN OR BX	J.35
1973310000	SCD 3.81/14/90F 3.2SN OR BX	J.35
1973320000	SCD 3.81/16/90F 3.2SN OR BX	J.35
1973330000	SCD 3.81/18/90F 3.2SN OR BX	J.35
1973340000	SCD 3.81/20/90F 3.2SN OR BX	J.35
1973350000	SCD 3.81/22/90F 3.2SN OR BX	J.35
1973360000	SCD 3.81/24/90F 3.2SN OR BX	J.35
1973730000	SCD-THR 3.81/04/90G 3.2SN BK BX	J.16
1973740000	SCD-THR 3.81/06/90G 3.2SN BK BX	J.16
1973750000	SCD-THR 3.81/08/90G 3.2SN BK BX	J.16
1973760000	SCD-THR 3.81/10/90G 3.2SN BK BX	J.16
1973770000	SCD-THR 3.81/12/90G 3.2SN BK BX	J.16
1973780000	SCD-THR 3.81/14/90G 3.2SN BK BX	J.16
1973790000	SCD-THR 3.81/16/90G 3.2SN BK BX	J.16
1973800000	SCD-THR 3.81/18/90G 3.2SN BK BX	J.16
1973810000	SCD-THR 3.81/20/90G 3.2SN BK BX	J.16
1973820000	SCD-THR 3.81/22/90G 3.2SN BK BX	J.16
1973830000	SCD-THR 3.81/24/90G 3.2SN BK BX	J.16
1974180000	SCD-THR 3.81/04/90F 3.2SN BK BX	J.17
1974190000	SCD-THR 3.81/06/90F 3.2SN BK BX	J.17
1974200000	SCD-THR 3.81/08/90F 3.2SN BK BX	J.17
1974210000	SCD-THR 3.81/10/90F 3.2SN BK BX	J.17
1974220000	SCD-THR 3.81/12/90F 3.2SN BK BX	J.17
1974230000	SCD-THR 3.81/14/90F 3.2SN BK BX	J.17
1974240000	SCD-THR 3.81/16/90F 3.2SN BK BX	J.17
1974250000	SCD-THR 3.81/18/90F 3.2SN BK BX	J.17
1974290000	SCD-THR 3.81/20/90F 3.2SN BK BX	J.17
1974310000	SCD-THR 3.81/22/90F 3.2SN BK BX	J.17
1974330000	SCD-THR 3.81/24/90F 3.2SN BK BX	J.17
1974750000	BCL-SMT 3.81/02/90 1.5SN BK BX	J.58
1974770000	BCL-SMT 3.81/03/90 1.5SN BK BX	J.58
1974780000	BCL-SMT 3.81/04/90 1.5SN BK BX	J.58
1974800000	BCL-SMT 3.81/05/90 1.5SN BK BX	J.58
1974820000	BCL-SMT 3.81/06/90 1.5SN BK BX	J.58
1974840000	BCL-SMT 3.81/07/90 1.5SN BK BX	J.58
1974850000	BCL-SMT 3.81/08/90 1.5SN BK BX	J.58
1974880000	BCL-SMT 3.81/09/90 1.5SN BK BX	J.58
1974890000	BCL-SMT 3.81/10/90 1.5SN BK BX	J.58
1974910000	BCL-SMT 3.81/11/90 1.5SN BK BX	J.58
1974930000	BCL-SMT 3.81/12/90 1.5SN BK BX	J.58
1975250000	LL1N 5.00/02/90 3.2SN OR BX	G.32
1975260000	LL1N 5.00/03/90 3.2SN OR BX	G.32
1975270000	LL1N 5.00/04/90 3.2SN OR BX	G.32
1975280000	LL1N 5.00/05/90 3.2SN OR BX	G.32
1975290000	LL1N 5.00/06/90 3.2SN OR BX	G.32
1975300000	LL1N 5.00/07/90 3.2SN OR BX	G.32
1975310000	LL1N 5.00/08/90 3.2SN OR BX	G.32
1975320000	LL1N 5.00/09/90 3.2SN OR BX	G.32
1975330000	LL1N 5.00/10/90 3.2SN OR BX	G.32
1975340000	LL1N 5.00/11/90 3.2SN OR BX	G.32
1975350000	LL1N 5.00/12/90 3.2SN OR BX	G.32
1975360000	LL1N 5.08/02/90 3.2SN OR BX	G.34
1975370000	LL1N 5.08/03/90 3.2SN OR BX	G.34
1975380000	LL1N 5.08/04/90 3.2SN OR BX	G.34
1975390000	LL1N 5.08/05/90 3.2SN OR BX	G.34
1975400000	LL1N 5.08/06/90 3.2SN OR BX	G.34
1975410000	LL1N 5.08/07/90 3.2SN OR BX	G.34
1975420000	LL1N 5.08/08/90 3.2SN OR BX	G.34
1975430000	LL1N 5.08/09/90 3.2SN OR BX	G.34
1975440000	LL1N 5.08/10/90 3.2SN OR BX	G.34
1975460000	LL1N 5.08/11/90 3.2SN OR BX	G.34
1975470000	LL1N 5.08/12/90 3.2SN OR BX	G.34
1975690000	BCL-SMT 3.81/02/90F 1.5SN BK BX	J.59
1975700000	BCL-SMT 3.81/03/90F 1.5SN BK BX	J.59
1975710000	BCL-SMT 3.81/04/90F 1.5SN BK BX	J.59
1975720000	SC 3.81/02/135G 3.2SN OR BX	J.30
1975730000	BCL-SMT 3.81/05/90F 1.5SN BK BX	J.59
1975740000	BCL-SMT 3.81/06/90F 1.5SN BK BX	J.59
1975750000	BCL-SMT 3.81/07/90F 1.5SN BK BX	J.59
1975760000	BCL-SMT 3.81/08/90F 1.5SN BK BX	J.59
1975770000	SC 3.81/03/135G 3.2SN OR BX	J.30
1975780000	BCL-SMT 3.81/09/90F 1.5SN BK BX	J.59
1975790000	BCL-SMT 3.81/10/90F 1.5SN BK BX	J.59
1975800000	SC 3.81/04/135G 3.2SN OR BX	J.30
1975810000	SC 3.81/05/135G 3.2SN OR BX	J.30
1975820000	BCL-SMT 3.81/11/90F 1.5SN BK	J.59
1975830000	BCL-SMT 3.81/12/90F 1.5SN BK	J.59
1975880000	SC 3.81/06/135G 3.2SN OR BX	J.30
1975900000	SC 3.81/07/135G 3.2SN OR BX	J.30
1975920000	SC 3.81/08/135G 3.2SN OR BX	J.30
1975930000	SC 3.81/09/135G 3.2SN OR BX	J.30
1975940000	SC 3.81/10/135G 3.2SN OR BX	J.30
1975950000	SC 3.81/11/135G 3.2SN OR BX	J.30
1975960000	SC 3.81/12/135G 3.2SN OR BX	J.30
1976490000	BCL-SMT 3.81/02/180 1.5SN BK BX	J.60
1976500000	BCL-SMT 3.81/03/180 1.5SN BK BX	J.60
1976520000	BCL-SMT 3.81/04/180 1.5SN BK BX	J.60
1976530000	BCL-SMT 3.81/05/180 1.5SN BK BX	J.60
1976550000	BCL-SMT 3.81/06/180 1.5SN BK BX	J.60
1976570000	BCL-SMT 3.81/07/180 1.5SN BK BX	J.60
1976580000	BCL-SMT 3.81/08/180 1.5SN BK BX	J.60
1976590000	BCL-SMT 3.81/09/180 1.5SN BK BX	J.60
1976610000	BCL-SMT 3.81/10/180 1.5SN BK BX	J.60
1976620000	BCL-SMT 3.81/11/180 1.5SN BK BX	J.60
1976640000	BCL-SMT 3.81/12/180 1.5SN BK BX	J.60
1976740000	SC 3.81/02/135F 3.2SN OR BX	J.31
1976750000	SC 3.81/03/135F 3.2SN OR BX	J.31
1976760000	SC 3.81/04/135F 3.2SN OR BX	J.31
1976770000	SC 3.81/05/135F 3.2SN OR BX	J.31
1976780000	SC 3.81/06/135F 3.2SN OR BX	J.31
1976790000	SC 3.81/07/135F 3.2SN OR BX	J.31
1976800000	SC 3.81/08/135F 3.2SN OR BX	J.31
1976810000	SC 3.81/09/135F 3.2SN OR BX	J.31
1976820000	SC 3.81/10/135F 3.2SN OR BX	J.31
1976830000	SC 3.81/11/135F 3.2SN OR BX	J.31
1976840000	SC 3.81/12/135F 3.2SN OR BX	J.31
1977200000	SC-SMT 3.81/02/135G 3.2SN BK BX	J.12
1977210000	SC-SMT 3.81/03/135G 3.2SN BK BX	J.12
1977220000	SC-SMT 3.81/04/135G 3.2SN BK BX	J.12
1977230000	SC-SMT 3.81/05/135G 3.2SN BK BX	J.12
1977240000	SC-SMT 3.81/06/135G 3.2SN BK BX	J.12
1977250000	SC-SMT 3.81/07/135G 3.2SN BK BX	J.12
1977260000	LL2N 5.00/08/90 3.2SN OR BX	G.33
1977280000	LL2N 5.00/12/90 3.2SN OR BX	G.33
1977310000	LL2N 5.00/16/90 3.2SN OR BX	G.33
1977330000	LL2N 5.00/20/90 3.2SN OR BX	G.33
1977350000	LL2N 5.00/24/90 3.2SN OR BX	G.33
1977480000	LL2N 5.08/08/90 3.2SN OR BX	G.35
1977500000	LL2N 5.08/12/90 3.2SN OR BX	G.35
1977520000	LL2N 5.08/16/90 3.2SN OR BX	G.35
1977540000	LL2N 5.08/20/90 3.2SN OR BX	G.35
1977560000	LL2N 5.08/24/90 3.2SN OR BX	G.35
1977690000	SC-SMT 3.81/08/135G 3.2SN BK BX	J.12
1977700000	SC-SMT 3.81/09/135G 3.2SN BK BX	J.12
1977710000	SC-SMT 3.81/10/135G 3.2SN BK BX	J.12
1977720000	SC-SMT 3.81/11/135G 3.2SN BK BX	J.12
1977730000	SC-SMT 3.81/12/135G 3.2SN BK BX	J.12
1978080000	SC-SMT 3.81/02/135LF 3.2SN BK BX	J.13
1978090000	SC-SMT 3.81/03/135LF 3.2SN BK BX	J.13
1978100000	SC-SMT 3.81/04/135LF 3.2SN BK BX	J.13
1978110000	SC-SMT 3.81/05/135LF 3.2SN BK BX	J.13
1978120000	SC-SMT 3.81/06/135LF 3.2SN BK BX	J.13
1978130000	SC-SMT 3.81/07/135LF 3.2SN BK BX	J.13
1978140000	SC-SMT 3.81/08/135LF 3.2SN BK BX	J.13
1978150000	SC-SMT 3.81/09/135LF 3.2SN BK BX	J.13
1978160000	SC-SMT 3.81/10/135LF 3.2SN BK BX	J.13
1978170000	SC-SMT 3.81/11/135LF 3.2SN BK BX	J.13
1978180000	SC-SMT 3.81/12/135LF 3.2SN BK BX	J.13
1978850000	LL3R 5.00/12/90 3.2SN OR BX	G.33
1978870000	LL3R 5.00/18/90 3.2SN OR BX	G.33
1978890000	LL3R 5.00/24/90 3.2SN OR BX	G.33
1979060000	LL3R 5.08/12/90 3.2SN OR BX	G.35
1979080000	LL3R 5.08/18/90 3.2SN OR BX	G.35
1979100000	LL3R 5.08/24/90 3.2SN OR BX	G.35
1979120000	LL3R 5.08/30/90 3.2SN OR BX	G.35
1979140000	LL3R 5.08/36/90 3.2SN OR BX	G.35
1979720000	SC 3.81 FLA 1.5/16	J.26
1979720000	SC 3.81 FLA 1.5/16	M.9
1979730000	SC 3.81 FLA 1.5/14.25	J.26
1979730000	SC 3.81 FLA 1.5/14.25	M.9
1979740000	SC 3.81 FLA 2.3/16	J.26
1979740000	SC 3.81 FLA 2.3/16	M.9
1979750000	SC 3.81 FLA 2.3/14.25	J.26
1979750000	SC 3.81 FLA 2.3/14.25	M.9

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Order No.	Type	Page
1980170000	BLF 5.00HC/02/90 SN OR BX	K.48
1980180000	BLF 5.00HC/03/90 SN OR BX	K.48
1980190000	BLF 5.00HC/04/90 SN OR BX	K.48
1980200000	BLF 5.00HC/05/90 SN OR BX	K.48
1980210000	BLF 5.00HC/06/90 SN OR BX	K.48
1980220000	BLF 5.00HC/07/90 SN OR BX	K.48
1980230000	BLF 5.00HC/08/90 SN OR BX	K.48
1980240000	BLF 5.00HC/09/90 SN OR BX	K.48
1980250000	BLF 5.00HC/10/90 SN OR BX	K.48
1980260000	BLF 5.00HC/11/90 SN OR BX	K.48
1980270000	BLF 5.00HC/12/90 SN OR BX	K.48
1980640000	BLF 5.00HC/02/90F SN OR BX	K.49
1980650000	BLF 5.00HC/03/90F SN OR BX	K.49
1980660000	BLF 5.00HC/04/90F SN OR BX	K.49
1980670000	BLF 5.00HC/05/90F SN OR BX	K.49
1980680000	BLF 5.00HC/06/90F SN OR BX	K.49
1980690000	BLF 5.00HC/07/90F SN OR BX	K.49
1980700000	BLF 5.00HC/08/90F SN OR BX	K.49
1980710000	BLF 5.00HC/09/90F SN OR BX	K.49
1980720000	BLF 5.00HC/10/90F SN OR BX	K.49
1980730000	BLF 5.00HC/11/90F SN OR BX	K.49
1980740000	BLF 5.00HC/12/90F SN OR BX	K.49
1980870000	BLF 5.00HC/02/90LR SN OR BX	K.49
1980880000	BLF 5.00HC/03/90LR SN OR BX	K.49
1980890000	BLF 5.00HC/04/90LR SN OR BX	K.49
1980900000	BLF 5.00HC/05/90LR SN OR BX	K.49
1980910000	BLF 5.00HC/06/90LR SN OR BX	K.49
1980920000	BLF 5.00HC/07/90LR SN OR BX	K.49
1980930000	BLF 5.00HC/08/90LR SN OR BX	K.49
1980940000	BLF 5.00HC/09/90LR SN OR BX	K.49
1980950000	BLF 5.00HC/10/90LR SN OR BX	K.49
1980960000	BLF 5.00HC/11/90LR SN OR BX	K.49
1980970000	BLF 5.00HC/12/90LR SN OR BX	K.49
1981890000	WGK 4 VP GY BX	Q.13

Order No.	Type	Page
1982700000	BLF 5.08HC/02/270 SN OR BX	K.112
1982710000	BLF 5.08HC/03/270 SN OR BX	K.112
1982720000	BLF 5.08HC/04/270 SN OR BX	K.112
1982730000	BLF 5.08HC/05/270 SN OR BX	K.112
1982740000	BLF 5.08HC/06/270 SN OR BX	K.112
1982750000	BLF 5.08HC/07/270 SN OR BX	K.112
1982760000	BLF 5.08HC/08/270 SN OR BX	K.112
1982770000	BLF 5.08HC/09/270 SN OR BX	K.112
1982780000	BLF 5.08HC/10/270 SN OR BX	K.112
1982790000	BLF 5.08HC/11/270 SN OR BX	K.112
1982800000	BLF 5.08HC/12/270 SN OR BX	K.112
1982890000	BLF 5.08HC/02/270F SN OR BX	K.113
1982900000	BLF 5.08HC/03/270F SN OR BX	K.113
1982910000	BLF 5.08HC/04/270F SN OR BX	K.113
1982920000	BLF 5.08HC/05/270F SN OR BX	K.113
1982930000	BLF 5.08HC/06/270F SN OR BX	K.113
1982940000	BLF 5.08HC/07/270F SN OR BX	K.113
1982950000	BLF 5.08HC/08/270F SN OR BX	K.113
1982960000	BLF 5.08HC/09/270F SN OR BX	K.113
1982970000	BLF 5.08HC/10/270F SN OR BX	K.113
1982980000	BLF 5.08HC/11/270F SN OR BX	K.113
1982990000	BLF 5.08HC/12/270F SN OR BX	K.113
1983080000	BLF 5.08HC/02/270LR SN OR BX	K.113
1983090000	BLF 5.08HC/03/270LR SN OR BX	K.113
1983100000	BLF 5.08HC/04/270LR SN OR BX	K.113
1983110000	BLF 5.08HC/05/270LR SN OR BX	K.113
1983120000	BLF 5.08HC/06/270LR SN OR BX	K.113
1983130000	BLF 5.08HC/07/270LR SN OR BX	K.113
1983140000	BLF 5.08HC/08/270LR SN OR BX	K.113
1983150000	BLF 5.08HC/09/270LR SN OR BX	K.113
1983160000	BLF 5.08HC/10/270LR SN OR BX	K.113
1983170000	BLF 5.08HC/11/270LR SN OR BX	K.113
1983180000	BLF 5.08HC/12/270LR SN OR BX	K.113
1988380000	BHF 5.00/02/180LH BK/OR	S.36
1988590000	LUF 10.00/01/90 5.0SN BK BX	N.32
1988600000	LUF 10.00/02/90 5.0SN BK BX	N.32
1988610000	LUF 10.00/03/90 5.0SN BK BX	N.32
1988620000	LUF 10.00/04/90 5.0SN BK BX	N.32
1988630000	LUF 10.00/05/90 5.0SN BK BX	N.32
1988640000	LUF 10.00/06/90 5.0SN BK BX	N.32
1988650000	LUF 10.00/07/90 5.0SN BK BX	N.32
1988660000	LUF 10.00/08/90 5.0SN BK BX	N.32
1988670000	LUF 10.00/09/90 5.0SN BK BX	N.32
1988680000	LUF 10.00/10/90 5.0SN BK BX	N.32
1988690000	LUF 10.00/11/90 5.0SN BK BX	N.32
1988700000	LUF 10.00/12/90 5.0SN BK BX	N.32
1989090000	BHF 5.00/04/180LH BK/BL	S.37
1989190000	BHF 5.00/04/180LH BK/OR	S.36
1989200000	BHF 5.00/03/180LH BK/BL	S.37
1989210000	BHF 5.00/03/180LH BK/OR	S.36
1989220000	BHF 5.00/02/180LH BK/BL	S.37

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1994230000	LL 5.00/02/180 3.2SN OR BX	G.31
1994240000	LL 5.00/03/180 3.2SN OR BX	G.31
1994250000	LL 5.08/02/180 3.2SN OR BX	G.31
1994260000	LL 5.08/03/180 3.2SN OR BX	G.31

2000000000

2000430000	BUZ 10.16IT/04/180MF3 AG BK BX	O.89
2000890000	RJ45C5 S1D 2.7N4N RL	D.8
2000940000	LS2HF 3.50/04/90 3.5SN OR BX	G.90
2000950000	LS2HF 3.50/06/90 3.5SN OR BX	G.90
2000960000	LS2HF 3.50/08/90 3.5SN OR BX	G.90
2000970000	LS2HF 3.50/10/90 3.5SN OR BX	G.90
2000980000	LS2HF 3.50/12/90 3.5SN OR BX	G.90
2000990000	LS2HF 3.50/14/90 3.5SN OR BX	G.90
2001000000	LS2HF 3.50/16/90 3.5SN OR BX	G.90
2001010000	LS2HF 3.50/18/90 3.5SN OR BX	G.90
2001020000	LS2HF 3.50/20/90 3.5SN OR BX	G.90
2001030000	LS2HF 3.50/22/90 3.5SN OR BX	G.90
2001040000	LS2HF 3.50/24/90 3.5SN OR BX	G.90
2004700000	CH20M22 B BUS FE BK/OR 2010	S.26

2010000000

2012810000	LUP 10.16/02/90V 5.0SN BK BX	N.20
2012890000	LUP 10.16/03/90V 5.0SN BK BX	N.20
2013870000	LUP 10.16/04/90V 5.0SN BK BX	N.20
2013880000	LUP 10.16/05/90V 5.0SN BK BX	N.20
2013890000	LUP 10.16/06/90V 5.0SN BK BX	N.20
2013900000	LUP 10.16/07/90V 5.0SN BK BX	N.20
2013910000	LUP 10.16/08/90V 5.0SN BK BX	N.20
2013920000	LUP 10.16/09/90V 5.0SN BK BX	N.20
2014050000	LUP 10.16/02/90 5.0SN BK BX	N.19
2014060000	LUP 10.16/03/90 5.0SN BK BX	N.19
2014090000	LUP 10.16/04/90 5.0SN BK BX	N.19
2014140000	LUP 10.16/05/90 5.0SN BK BX	N.19
2014150000	LUP 10.16/06/90 5.0SN BK BX	N.19
2014160000	LUP 10.16/07/90 5.0SN BK BX	N.19
2014170000	LUP 10.16/08/90 5.0SN BK BX	N.19
2014180000	LUP 10.16/09/90 5.0SN BK BX	N.19
2014360000	LUP 12.70/02/90 5.0SN BK BX	N.21
2014380000	LUP 12.70/03/90 5.0SN BK BX	N.21
2014400000	LUP 12.70/04/90 5.0SN BK BX	N.21
2014420000	LUP 12.70/05/90 5.0SN BK BX	N.21
2014590000	LUP 12.70/06/90 5.0SN BK BX	N.21
2014610000	LUP 12.70/07/90 5.0SN BK BX	N.21
2014760000	LUP 12.70/08/90 5.0SN BK BX	N.21
2014900000	LUP 12.70/09/90 5.0SN BK BX	N.21

2030000000

2036460000	RJ45M T12D 3.3E4G/Y RL	D.34

2220000000

2224040000	KOPL MCZ 1.5 1816	S.43
2224220000	GH MCZ1.5 1674	S.43
2224240000	RA MCZ1.5 DKBG 1674	S.43
2224380000	SMSE LN FE MCZ 1.5	S.43
2224390000	SMSE KU FE MCZ 1.5	S.43

2310000000

2312290000	GH MCZUE1.5/UE 1674	S.43

2410000000

2418580000	LHZ-SMT L 1.5SN BK RL	S.32
2418590000	LHZ-SMT R 1.5SN BK RL	S.32
2418620000	CH20M6 C BK 1819	S.20
2418630000	CH20M22 B BK/BK 2010	S.26
2418640000	CH20M22 F BK 2010	S.26
2418650000	CH20M22 S PPSC BK 2010	S.27
2418660000	CH20M22 S PPSC BL 2013	S.27
2418670000	CH20M22 C BK 1819	S.26

2420000000

2427640000	WGK 50 GY BX	Q.22
2427650000	WGK 50/Z GY BX	Q.22
2427660000	WGK 50 GN/YE BX	Q.22
2427810000	WGK 50/Z GN/YE BX	Q.22
2427960000	BVFL 7.62HP/4/180MF4 BCF/4 SNBKBX SH180	O.46
2428270000	WGK 50 VP GN/YE BX	Q.23
2428280000	WGK 50 VP GY BX	Q.23
2428290000	WGK 50 VP/Z GN/YE BX	Q.23
2428300000	WGK 50 VP/Z GY BX	Q.23
2429470000	LL 5.00/04/180 3.2SN OR BX	G.31
2429530000	LL 5.00/05/180 3.2SN OR BX	G.31
2429540000	LL 5.00/06/180 3.2SN OR BX	G.31
2429550000	LL 5.00/07/180 3.2SN OR BX	G.31
2429560000	LL 5.00/08/180 3.2SN OR BX	G.31
2429570000	LL 5.00/09/180 3.2SN OR BX	G.31
2429580000	LL 5.00/10/180 3.2SN OR BX	G.31
2429590000	LL 5.00/11/180 3.2SN OR BX	G.31
2429600000	LL 5.00/12/180 3.2SN OR BX	G.31
2429810000	LL 5.08/04/180 3.2SN OR BX	G.31

2430000000

2431930000	LL 5.08/05/180 3.2SN OR BX	G.31
2431950000	LL 5.08/06/180 3.2SN OR BX	G.31
2431960000	LL 5.08/07/180 3.2SN OR BX	G.31
2431970000	LL 5.08/08/180 3.2SN OR BX	G.31
2431980000	LL 5.08/09/180 3.2SN OR BX	G.31
2431990000	LL 5.08/10/180 3.2SN OR BX	G.31
2432000000	LL 5.08/11/180 3.2SN OR BX	G.31
2432010000	LL 5.08/12/180 3.2SN OR BX	G.31
2435460000	CH20M6 BP 4P-4P FE BK 1 1261494	S.20
2436450000	RJ45C5 T1V 4.0N4N TY	D.19
2438860000	BLF 2.50/02/180 SN BK BX	H.8
2439380000	WGK 10 GN/YE BX	Q.16
2439390000	WGK 10 GY BX	Q.16
2439400000	WGK 10/Z GN/YE BX	Q.16
2439410000	WGK 10/Z GY BX	Q.16
2439420000	WGK 10 VP/Z GY BX	Q.17
2439430000	WGK 10 VP GN/YE BX	Q.17
2439440000	WGK 10 VP/Z GN/YE BX	Q.17
2439450000	WGK 10 VP GY BX	Q.17
2439520000	WGKV 10 GY BX	Q.17
2439530000	WGKV 10 GN/YE BX	Q.17
2439540000	WGKV 10/Z GN/YE BX	Q.17
2439550000	WGKV 10/Z GY BX	Q.17
2439600000	WGK 16 GN/YE BX	Q.18
2439650000	BLF 2.50/03/180 SN BK BX	H.8
2439660000	SL 2.50/02/90G 3.2SN BK BX	H.6
2439670000	BLF 2.50/04/180 SN BK BX	H.8
2439680000	BLF 2.50/05/180 SN BK BX	H.8
2439690000	BLF 2.50/06/180 SN BK BX	H.8
2439700000	BLF 2.50/07/180 SN BK BX	H.8
2439710000	BLF 2.50/08/180 SN BK BX	H.8
2439720000	BLF 2.50/09/180 SN BK BX	H.8
2439730000	BLF 2.50/10/180 SN BK BX	H.8
2439740000	BLF 2.50/11/180 SN BK BX	H.8
2439750000	BLF 2.50/12/180 SN BK BX	H.8
2439760000	SL 2.50/03/90G 3.2SN BK BX	H.6
2439770000	SL 2.50/04/90G 3.2SN BK BX	H.6
2439780000	SL 2.50/05/90G 3.2SN BK BX	H.6
2439790000	SL 2.50/06/90G 3.2SN BK BX	H.6
2439800000	SL 2.50/07/90G 3.2SN BK BX	H.6
2439810000	SL 2.50/08/90G 3.2SN BK BX	H.6
2439820000	SL 2.50/09/90G 3.2SN BK BX	H.6
2439830000	SL 2.50/10/90G 3.2SN BK BX	H.6
2439840000	SL 2.50/11/90G 3.2SN BK BX	H.6
2439850000	SL 2.50/12/90G 3.2SN BK BX	H.6
2439910000	SL 2.50/02/180G 3.2SN BK BX	H.7
2439920000	SL 2.50/03/180G 3.2SN BK BX	H.7
2439930000	SL 2.50/04/180G 3.2SN BK BX	H.7
2439940000	SL 2.50/05/180G 3.2SN BK BX	H.7
2439950000	SL 2.50/06/180G 3.2SN BK BX	H.7
2439960000	SL 2.50/07/180G 3.2SN BK BX	H.7
2439970000	SL 2.50/08/180G 3.2SN BK BX	H.7
2439980000	SL 2.50/09/180G 3.2SN BK BX	H.7
2439990000	SL 2.50/10/180G 3.2SN BK BX	H.7

2440000000

2440000000	SL 2.50/11/180G 3.2SN BK BX	H.7
2440010000	SL 2.50/12/180G 3.2SN BK BX	H.7
2440560000	WGK 16 GY BX	Q.18
2440570000	WGK 16/Z GN/YE BX	Q.18
2440580000	WGK 16/Z GY BX	Q.18
2440610000	WGK 16 VP GN/YE BX	Q.19
2440620000	WGK 16 VP GY BX	Q.19
2440630000	WGK 16 VP/Z GN/YE BX	Q.19
2440640000	WGK 16 VP/Z GY BX	Q.19
2440720000	WGKV 16/Z GN/YE BX	Q.19
2440730000	WGKV 16/Z GY BX	Q.19
2440740000	WGKV 16 GN/YE BX	Q.19
2440750000	WGKV 16 GY BX	Q.19
2442030000	BCZ 3.81/05/180LRZE SN OR BX	J.51
2442040000	BCF 3.81/02/180LR SN OR BX	J.55
2442050000	SCZ 3.81/02/180LR SN OR BX	J.45
2442210000	BCZ 3.81/07/180LRZE SN OR BX	J.51
2442220000	BCZ 3.81/11/180LRZE SN OR BX	J.51
2442240000	BCZ 3.81/10/180LRZE SN OR BX	J.51
2442260000	BCZ 3.81/06/180LRZE SN OR BX	J.51
2442270000	BCZ 3.81/12/180LRZE SN OR BX	J.51
2442290000	BCZ 3.81/08/180LRZE SN OR BX	J.51
2442300000	BCZ 3.81/09/180LRZE SN OR BX	J.51
2442310000	BCZ 3.81/04/180LR SN OR BX	J.49
2442320000	BCZ 3.81/05/180LR SN OR BX	J.49
2442330000	BCZ 3.81/06/180LR SN OR BX	J.49
2442340000	BCZ 3.81/07/180LR SN OR BX	J.49
2442350000	BCZ 3.81/11/180LR SN OR BX	J.49
2442360000	BCZ 3.81/02/180LR SN OR BX	J.49
2442370000	BCZ 3.81/03/180LR SN OR BX	J.49
2442380000	BCZ 3.81/08/180LR SN OR BX	J.49
2442390000	BCZ 3.81/09/180LR SN OR BX	J.49
2442400000	BCZ 3.81/10/180LR SN OR BX	J.49
2442410000	BCZ 3.81/12/180LR SN OR BX	J.49
2442610000	BCF 3.81/03/180LR SN OR BX	J.55
2442620000	BCF 3.81/04/180LR SN OR BX	J.55
2442630000	BCF 3.81/05/180LR SN OR BX	J.55
2442640000	BCF 3.81/06/180LR SN OR BX	J.55
2442650000	BCF 3.81/07/180LR SN OR BX	J.55
2442660000	BCF 3.81/08/180LR SN OR BX	J.55
2442670000	BCF 3.81/09/180LR SN OR BX	J.55
2442680000	BCF 3.81/10/180LR SN OR BX	J.55
2442690000	BCF 3.81/11/180LR SN OR BX	J.55
2442700000	BCF 3.81/12/180LR SN OR BX	J.55
2442910000	BCF 3.81/10/180LRZE SN OR BX	J.57
2442920000	BCF 3.81/11/180LRZE SN OR BX	J.57
2442960000	BCF 3.81/05/180LRZE SN OR BX	J.57
2443010000	BCF 3.81/06/180LRZE SN OR BX	J.57
2443020000	BCF 3.81/08/180LRZE SN OR BX	J.57
2443030000	BCF 3.81/09/180LRZE SN OR BX	J.57
2443050000	BCF 3.81/12/180LRZE SN OR BX	J.57
2443060000	BCF 3.81/07/180LRZE SN OR BX	J.57
2444060000	SCZ 3.81/03/180LR SN OR BX	J.45
2444090000	SCZ 3.81/04/180LR SN OR BX	J.45
2444100000	SCZ 3.81/05/180LR SN OR BX	J.45
2444110000	SCZ 3.81/06/180LR SN OR BX	J.45
2444120000	SCZ 3.81/07/180LR SN OR BX	J.45
2444130000	SCZ 3.81/08/180LR SN OR BX	J.45
2444140000	SCZ 3.81/09/180LR SN OR BX	J.45
2444150000	SCZ 3.81/10/180LR SN OR BX	J.45
2444160000	SCZ 3.81/11/180LR SN OR BX	J.45
2444170000	SCZ 3.81/12/180LR SN OR BX	J.45
2444200000	SCZ 3.81/07/180LRZE SN OR BX	J.47
2444220000	SCZ 3.81/05/180LRZE SN OR BX	J.47
2444230000	SCZ 3.81/09/180LRZE SN OR BX	J.47
2444240000	SCZ 3.81/04/180LRZE SN OR BX	J.47
2444250000	SCZ 3.81/11/180LRZE SN OR BX	J.47
2444260000	SCZ 3.81/08/180LRZE SN OR BX	J.47
2444270000	SCZ 3.81/06/180LRZE SN OR BX	J.47
2444280000	SCZ 3.81/12/180LRZE SN OR BX	J.47
2444290000	SCZ 3.81/10/180LRZE SN OR BX	J.47
2444300000	WGK 25/Z GY BX	Q.20
2444640000	WGK 25/Z GN/YE BX	Q.20
2444650000	WGK 25 GN/YE BX	Q.20
2444660000	WGK 25 GY BX	Q.20
2444700000	WGK 25 VP GN/YE BX	Q.21
2444710000	WGK 25 VP GY BX	Q.21
2444720000	WGK 25 VP/Z GN/YE BX	Q.21
2444730000	WGK 25 VP/Z GY BX	Q.21
2444810000	WGKV 25/Z GN/YE BX	Q.21
2444820000	WGKV 25 GY BX	Q.21
2444830000	WGKV 25 GN/YE BX	Q.21
2444860000	WGKV 25/Z GY BX	Q.21

2450000000

2453690000	LUF 10.00/02/90V 5.0SN BK BX	N.33
2453700000	LUF 10.00/03/90V 5.0SN BK BX	N.33
2453710000	LUF 10.00/04/90V 5.0SN BK BX	N.33
2453720000	LUF 10.00/05/90V 5.0SN BK BX	N.33
2453730000	LUF 10.00/06/90V 5.0SN BK BX	N.33
2453740000	LUF 10.00/07/90V 5.0SN BK BX	N.33
2453750000	LUF 10.00/08/90V 5.0SN BK BX	N.33
2453760000	LUF 10.00/09/90V 5.0SN BK BX	N.33
2453770000	LUF 10.00/10/90V 5.0SN BK BX	N.33
2453780000	LUF 10.00/11/90V 5.0SN BK BX	N.33
2453790000	LUF 10.00/12/90V 5.0SN BK BX	N.33
2454110000	SV-SMT 7.62IT/04/90MF4 2.6SN BK BX	O.65
2458950000	BLF 3.50/02/180 SN OR BX	I.52
2459060000	BLF 3.50/03/180 SN OR BX	I.52
2459070000	BLF 3.50/04/180 SN OR BX	I.52
2459080000	BLF 3.50/05/180 SN OR BX	I.52
2459090000	BLF 3.50/06/180 SN OR BX	I.52
2459100000	BLF 3.50/07/180 SN OR BX	I.52
2459110000	BLF 3.50/08/180 SN OR BX	I.52
2459120000	BLF 3.50/09/180 SN OR BX	I.52
2459130000	BLF 3.50/10/180 SN OR BX	I.52
2459140000	BLF 3.50/11/180 SN OR BX	I.52
2459150000	BLF 3.50/12/180 SN OR BX	I.52
2459190000	BLF 3.50/16/180 SN OR BX	I.52
2459200000	BLF 3.50/17/180 SN OR BX	I.52
2459210000	BLF 3.50/18/180 SN OR BX	I.52
2459220000	BLF 3.50/19/180 SN OR BX	I.52
2459230000	BLF 3.50/20/180 SN OR BX	I.52
2459240000	BLF 3.50/21/180 SN OR BX	I.52
2459250000	BLF 3.50/22/180 SN OR BX	I.52
2459260000	BLF 3.50/23/180 SN OR BX	I.52
2459270000	BLF 3.50/24/180 SN OR BX	I.52
2459390000	BLF 3.50/02/180F SN OR BX	I.53
2459400000	BLF 3.50/03/180F SN OR BX	I.53
2459410000	BLF 3.50/04/180F SN OR BX	I.53
2459420000	BLF 3.50/05/180F SN OR BX	I.53
2459430000	BLF 3.50/06/180F SN OR BX	I.53
2459440000	BLF 3.50/07/180F SN OR BX	I.53
2459450000	BLF 3.50/08/180F SN OR BX	I.53
2459460000	BLF 3.50/09/180F SN OR BX	I.53
2459470000	BLF 3.50/10/180F SN OR BX	I.53
2459480000	BLF 3.50/11/180F SN OR BX	I.53
2459490000	BLF 3.50/12/180F SN OR BX	I.53
2459680000	BLF 3.50/02/180LR SN OR BX	I.53
2459690000	BLF 3.50/03/180LR SN OR BX	I.53
2459700000	BLF 3.50/04/180LR SN OR BX	I.53
2459710000	BLF 3.50/05/180LR SN OR BX	I.53
2459720000	BLF 3.50/06/180LR SN OR BX	I.53
2459730000	BLF 3.50/07/180LR SN OR BX	I.53
2459740000	BLF 3.50/08/180LR SN OR BX	I.53
2459750000	BLF 3.50/09/180LR SN OR BX	I.53
2459760000	BLF 3.50/10/180LR SN OR BX	I.53
2459770000	BLF 3.50/11/180LR SN OR BX	I.53
2459780000	BLF 3.50/12/180LR SN OR BX	I.53

2460000000

2460150000	BLF 3.50/02/180QV SN OR BX	I.53
2460240000	BLF 3.50/04/180QV SN OR BX	I.53
2460450000	ZQV 4N/2 RD	S.43
2461070000	RJ45M R1V 3.3N4Y/G TY	D.29
2467670000	SC-SMT 3.81 KO WT BX	M.10

2470000000

2471390000	BL-I/O 3.50/10F CJC AU BK BX	I.60
2471520000	LLF 7.50/01/90 5.0SN BK BX	N.26
2471530000	LLF 7.50/02/90V 5.0SN BK BX	N.27
2472090000	LLF 7.50/03/90V 5.0SN BK BX	N.27
2472100000	LLF 7.50/04/90V 5.0SN BK BX	N.27
2472110000	LLF 7.50/05/90V 5.0SN BK BX	N.27
2472120000	LLF 7.50/06/90V 5.0SN BK BX	N.27
2472130000	LLF 7.50/07/90V 5.0SN BK BX	N.27
2472140000	LLF 7.50/08/90V 5.0SN BK BX	N.27
2473000000	LLFS 7.50/02/90V 5.0SN BK BX	N.29
2473010000	LLFS 7.50/03/90V 5.0SN BK BX	N.29
2473020000	LLFS 7.50/04/90V 5.0SN BK BX	N.29
2473030000	LLFS 7.50/05/90V 5.0SN BK BX	N.29
2473040000	LLFS 7.50/06/90V 5.0SN BK BX	N.29
2473050000	LLFS 7.50/07/90V 5.0SN BK BX	N.29
2473060000	LLFS 7.50/08/90V 5.0SN BK BX	N.29
2473420000	LLFS 7.50/01/90 5.0SN BK BX	N.28

2480000000

2484680000	VWGK 6 GN/YE BX	Q.14
2484800000	VWGK 6 GY BX	Q.14
2485370000	RJ45G1 R12D 3.2N4YG/YG RL	D.33

2490000000

2491110000	LLFS 7.50/01/180 5.0SN BK BX	N.30
2491620000	LLFS 7.50/02/180V 5.0SN BK BX	N.31
2491630000	LLFS 7.50/03/180V 5.0SN BK BX	N.31
2491640000	LLFS 7.50/04/180V 5.0SN BK BX	N.31
2491650000	LLFS 7.50/05/180V 5.0SN BK BX	N.31
2491660000	LLFS 7.50/06/180V 5.0SN BK BX	N.31

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2491670000	LLFS 7.50/07/180V 5.0SN BK BX	N.31
2491800000	LUF 15.00/02/90 5.0SN BK BX	N.38
2491810000	LUFS 10.00/01/180 5.0SN BK BX	N.36
2491820000	LUFS 15.00/02/180V 5.0SN BK BX	N.41
2491900000	LUF 15.00/03/90 5.0SN BK BX	N.38
2491910000	LUF 15.00/04/90 5.0SN BK BX	N.38
2491920000	LUF 15.00/05/90 5.0SN BK BX	N.38
2491930000	LUF 15.00/06/90 5.0SN BK BX	N.38
2491940000	LUF 15.00/07/90 5.0SN BK BX	N.38
2491950000	LUF 15.00/08/90 5.0SN BK BX	N.38
2492000000	LUF 15.00/02/90V 5.0SN BK BX	N.39
2492010000	LUF 15.00/03/90V 5.0SN BK BX	N.39
2492020000	LUF 15.00/04/90V 5.0SN BK BX	N.39
2492030000	LUF 15.00/05/90V 5.0SN BK BX	N.39
2492040000	LUF 15.00/06/90V 5.0SN BK BX	N.39
2492050000	LUF 15.00/07/90V 5.0SN BK BX	N.39
2492060000	LUF 15.00/08/90V 5.0SN BK BX	N.39
2492110000	LUFS 10.00/02/180V 5.0SN BK BX	N.37
2492120000	LUFS 10.00/03/180V 5.0SN BK BX	N.37
2492130000	LUFS 10.00/04/180V 5.0SN BK BX	N.37
2492140000	LUFS 10.00/05/180V 5.0SN BK BX	N.37
2492150000	LUFS 10.00/06/180V 5.0SN BK BX	N.37
2492160000	LUFS 10.00/07/180V 5.0SN BK BX	N.37
2492170000	LUFS 10.00/08/180V 5.0SN BK BX	N.37
2492180000	LUFS 10.00/09/180V 5.0SN BK BX	N.37
2492190000	LUFS 10.00/10/180V 5.0SN BK BX	N.37
2492200000	LUFS 10.00/11/180V 5.0SN BK BX	N.37
2492210000	LUFS 10.00/12/180V 5.0SN BK BX	N.37
2492220000	LUFS 15.00/03/180V 5.0SN BK BX	N.41
2492230000	LUFS 15.00/04/180V 5.0SN BK BX	N.41
2499320000	SV-SMT 7.62HP/02/90G 2.6SN BK BX	0.126
2499330000	SV-SMT 7.62HP/02/270G 2.6SN BK BX	0.128
2499340000	SV-SMT 7.62HP/03/270G 2.6SN BK BX	0.128
2499350000	SV-SMT 7.62HP/04/270G 2.6SN BK BX	0.128
2499360000	SV-SMT 7.62HP/05/270G 2.6SN BK BX	0.128
2499430000	LUFS 10.00/02/90V 5.0SN BK BX	N.35
2499440000	LUFS 15.00/02/90V 5.0SN BK BX	N.40
2499500000	SV-SMT 7.62HP/03/90G 2.6SN BK BX	0.126
2499520000	SV-SMT 7.62HP/02/90F 2.6SN BK BX	0.127
2499530000	SV-SMT 7.62IT/02/90MF2 2.6SN BK BX	0.64
2499540000	SV-SMT 7.62HP/02/270F 2.6SN BK BX	0.129
2499550000	SV-SMT 7.62HP/04/90G 2.6SN BK BX	0.126
2499560000	SV-SMT 7.62HP/05/90G 2.6SN BK BX	0.126
2499570000	SV-SMT 7.62HP/03/90F 2.6SN BK BX	0.127
2499580000	SV-SMT 7.62HP/04/90F 2.6SN BK BX	0.127
2499590000	SV-SMT 7.62HP/05/90F 2.6SN BK BX	0.127
2499720000	SV-SMT 7.62IT/03/90MF2 2.6SN BK BX	0.64
2499730000	SV-SMT 7.62IT/03/90MF3 2.6SN BK BX	0.65
2499740000	SV-SMT 7.62IT/04/90MF2 2.6SN BK BX	0.64
2499750000	SV-SMT 7.62IT/04/90MF3 2.6SN BK BX	0.65
2499910000	SV-SMT 7.62HP/03/270F 2.6SN BK BX	0.129
2499920000	SV-SMT 7.62HP/04/270F 2.6SN BK BX	0.129
2499930000	SV-SMT 7.62HP/05/270F 2.6SN BK BX	0.129

2500000000

2500460000	LUFS 10.00/03/90V 5.0SN BK BX	N.35
2500470000	LUFS 10.00/04/90V 5.0SN BK BX	N.35
2500480000	LUFS 10.00/05/90V 5.0SN BK BX	N.35
2500490000	LUFS 10.00/06/90V 5.0SN BK BX	N.35
2500500000	LUFS 10.00/07/90V 5.0SN BK BX	N.35
2500510000	LUFS 10.00/08/90V 5.0SN BK BX	N.35
2500520000	LUFS 10.00/09/90V 5.0SN BK BX	N.35
2500530000	LUFS 10.00/10/90V 5.0SN BK BX	N.35
2500540000	LUFS 10.00/11/90V 5.0SN BK BX	N.35
2500550000	LUFS 10.00/12/90V 5.0SN BK BX	N.35
2500560000	LUFS 10.00/01/90 5.0SN BK BX	N.34
2500570000	LUFS 15.00/03/90V 5.0SN BK BX	N.40
2500580000	LUFS 15.00/04/90V 5.0SN BK BX	N.40

2510000000

2514600000	RJ45C5 S1V 2.7E4N RL	D.7
2516380000	RJ45C5 R1V 3.2N4G/Y TY	D.12

2520000000

2528950000	SV-SMT 7.62HP/02/90G SC/4 2.6SN BX	0.10
2528970000	SV-SMT 7.62HP/02/270G SC/4 2.6SN BX	0.16
2529000000	SV-SMT 7.62HP/02/90MF2 SC/4 2.6SN BX	0.12
2529010000	SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX	0.18
2529030000	SV-SMT 7.62HP/02/90G SC/6 2.6SN BX	0.10
2529040000	SV-SMT 7.62HP/02/90G SC/8 2.6SN BX	0.10
2529050000	SV-SMT 7.62HP/03/90G SC/4 2.6SN BX	0.10
2529060000	SV-SMT 7.62HP/03/90G SC/6 2.6SN BX	0.10
2529070000	SV-SMT 7.62HP/03/90G SC/8 2.6SN BX	0.10
2529080000	SV-SMT 7.62HP/04/90G SC/4 2.6SN BX	0.10
2529090000	SV-SMT 7.62HP/04/90G SC/6 2.6SN BX	0.10
2529100000	SV-SMT 7.62HP/04/90G SC/8 2.6SN BX	0.10
2529310000	SV-SMT 7.62HP/04/270G SC/4 2.6SN BX	0.16
2529450000	SV-SMT 7.62HP/04/270MF4 SC/4 2.6SN BX	0.19
2529460000	SV-SMT 7.62HP/04/270MF4 SC/6 2.6SN BX	0.19
2529470000	SV-SMT 7.62HP/04/270MF4 SC/8 2.6SN BX	0.19
2529510000	SV-SMT 7.62HP/05/270MF4 SC/4 2.6SN BX	0.19
2529520000	SV-SMT 7.62HP/05/270MF4 SC/6 2.6SN BX	0.19
2529530000	SV-SMT 7.62HP/05/270MF4 SC/8 2.6SN BX	0.19
2529540000	SV-SMT 7.62HP/02/270MSF2 SC/4 2.6SN BX	0.20
2529630000	SV-SMT 7.62HP/04/270MSF4 SC/4 2.6SN BX	0.21
2529800000	SV-SMT 7.62HP/04/90MF4 SC/4 2.6SN BX	0.13
2529890000	SV-SMT 7.62HP/02/90MSF2 SC/4 2.6SN BX	0.14
2529980000	SV-SMT 7.62HP/04/90MSF4 SC/4 2.6SN BX	0.15

2540000000

2544500000	RJ45G1 R12D 3.3E4G/Y TY	D.32
2544510000	RJ45G1 R1D 3.3E4G/Y TY	D.30
2545800000	SV-SMT 7.62HP/02/90G 2.6SN BK RL	0.127
2546110000	SV-SMT 7.62HP/03/90G 2.6SN BK RL	0.127
2546120000	SV-SMT 7.62HP/04/90G 2.6SN BK RL	0.127
2546130000	SV-SMT 7.62HP/05/90G 2.6SN BK RL	0.127
2546140000	SV-SMT 7.62HP/02/270G 2.6SN BK RL	0.129
2546150000	SV-SMT 7.62HP/03/270G 2.6SN BK RL	0.129
2546160000	SV-SMT 7.62HP/04/270G 2.6SN BK RL	0.129
2546170000	SV-SMT 7.62HP/05/270G 2.6SN BK RL	0.129
2548870000	BVFL 7.62HP/02/180 SN BK BX	0.172
2548880000	BVFL 7.62HP/03/180 SN BK BX	0.172
2548890000	BVFL 7.62HP/05/180 SN BK BX	0.172
2549280000	BVFL 7.62HP/02/180F SN BK BX	0.173
2549300000	BVFL 7.62HP/02/180MF2 SN BK BX	0.174
2549310000	BVFL 7.62HP/02/180 BCF/04R SN BK BX	0.44
2549320000	BVFL 7.62HP/02/180MF2 BCF/04R SN BK BX	0.50
2549330000	BVFL 7.62HP/02/180MSF2 BCF/04R SN BK BX	0.52
2549340000	BVFL 7.62HP/03/180F SN BK BX	0.173
2549350000	BVFL 7.62HP/05/180F SN BK BX	0.173
2549360000	BVFL 7.62HP/03/180MF2 SN BK BX	0.174
2549370000	BVFL 7.62HP/03/180MF3 SN BK BX	0.175
2549380000	BVFL 7.62HP/05/180MF3 SN BK BX	0.175
2549390000	BVFL 7.62HP/05/180MF4 SN BK BX	0.175
2549400000	BVFL 7.62HP/03/180 BCF/04R SN BK BX	0.44
2549410000	BVFL 7.62HP/03/180 BCF/06R SN BK BX	0.44
2549420000	BVFL 7.62HP/03/180 BCF/08R SN BK BX	0.44
2549430000	BVFL 7.62HP/04/180 BCF/06R SN BK BX	0.44
2549440000	BVFL 7.62HP/04/180 BCF/08R SN BK BX	0.44
2549450000	BVFL 7.62HP/05/180 BCF/04R SN BK BX	0.44
2549460000	BVFL 7.62HP/03/180MF3 BCF/04R SN BK BX	0.51
2549470000	BVFL 7.62HP/03/180MF3 BCF/06R SN BK BX	0.51
2549480000	BVFL 7.62HP/03/180MF3 BCF/08R SN BK BX	0.51
2549490000	BVFL 7.62HP/04/180MF4 BCF/06R SN BK BX	0.51
2549500000	BVFL 7.62HP/04/180MF4 BCF/08R SN BK BX	0.51
2549510000	BVFL 7.62HP/05/180MF4 BCF/04R SN BK BX	0.51
2549520000	BVFL 7.62HP/05/180MF4 BCF/06R SN BK BX	0.51
2549530000	BVFL 7.62HP/05/180MF4 BCF/08R SN BK BX	0.51
2549540000	BVFL 7.62HP/03/180MSF3 BCF/04R SN BK BX	0.53
2549550000	BVFL 7.62HP/03/180MSF3 BCF/06R SN BK BX	0.53
2549560000	BVFL 7.62HP/03/180MSF3 BCF/08R SN BK BX	0.53
2549570000	BVFL 7.62HP/04/180MSF4 BCF/06R SN BK BX	0.53
2549580000	BVFL 7.62HP/04/180MSF4 BCF/08R SN BK BX	0.53
2549590000	BVFL 7.62HP/05/180MSF4 BCF/04R SN BK BX	0.53
2549600000	BVFL 7.62HP/05/180MSF4 BCF/06R SN BK BX	0.53
2549610000	BVFL 7.62HP/05/180MSF4 BCF/08R SN BK BX	0.53

2550000000

2551900000	RJ45M R12D 3.2N4G/Y RL	D.33
2554620000	CH20M12 B AGY/BK 3747	S.22
2554640000	CH20M17 B AGY/BK 3747	S.24
2554690000	CH20M12 S PPP AGY 3747	S.23
2554700000	CH20M17 S PPP AGY 3747	S.25
2554710000	CH20M22 S PPSC AGY 3747	S.27
2554730000	CH20M22 F AGY 3747	S.26
2554750000	CH20M17 F AGY 3747	S.24
2554760000	CH20M12 F AGY 3747	S.22
2554840000	CH20M22 S PPP AGY 3747	S.27
2554850000	CH20M22 S PSCSC AGY 3747	S.27
2554860000	CH20M12 S PPSC AGY 3747	S.23
2555100000	CH20M22 B BK/RD 2010	S.26
2555110000	CH20M45 B BK/RD 2010	S.28

2560000000

2562150000	RJ45M R1V 1.9N4YG/YG RL	D.29
2562160000	RJ45G R1V 1.9N4YG/YG RL	D.28
2562820000	RJ45C5 T1D 3.2E4G/Y TY	D.21
2562870000	RJ45C5 R1D 3.2E4G/Y RL	D.14
2562880000	RJ45C5 T1U 2.8E4G/Y TY	D.23
2562890000	RJ45C5E S1U DE4G/Y RL	D.11
2562900000	RJ45C5 T1D 3.3E4N TY	D.21
2562910000	RJ45C5 R1D 3.3E4N RL	D.15
2562920000	RJ45C5 T1U 2.8E4N TY	D.23
2562930000	RJ45C5 R1U 2.8E4N RL	D.16
2562940000	RJ45C5E S1U DE4N RL	D.11
2562950000	RJ45C5 R1U 2.8N4G/Y RL	D.17
2562960000	RJ45C5 T1V 3.2N4G/Y TY	D.18
2562970000	RJ45C5 R1V 3.2N4N RL	D.13
2564450000	RJ45M S1D DE4N RL	D.26

2570000000

2579670000	CH20M45 S P2SC/P2SC BL 2013	S.29

2580000000

2580340000	SU 10.16HP/02/90MF2 3.5AG BK BX	0.192
2580350000	SU 10.16HP/02/270MF2 3.5AG BK BX	0.198
2580390000	SU 10.16HP/03/90MF2 3.5AG BK BX	0.192
2580400000	SU 10.16HP/03/90MF3 3.5AG BK BX	0.193
2580410000	SU 10.16HP/04/90MF2 3.5AG BK BX	0.192
2580420000	SU 10.16HP/04/90MF3 3.5AG BK BX	0.193
2580430000	SU 10.16HP/04/90MF4 3.5AG BK BX	0.193
2580830000	SU 10.16HP/03/270MF2 3.5AG BK BX	0.198
2580850000	SU 10.16HP/03/270MF3 3.5AG BK BX	0.199
2580860000	SU 10.16HP/04/270MF2 3.5AG BK BX	0.198
2580870000	SU 10.16HP/04/270MF3 3.5AG BK BX	0.199
2580880000	SU 10.16HP/04/270MF4 3.5AG BK BX	0.199

2590000000

2592600000	KO BU/SU10.16HP WT	0.72
2592600000	KO BU/SU10.16HP WT	0.74
2592600000	KO BU/SU10.16HP WT	0.76
2592600000	KO BU/SU10.16HP WT	0.78
2592600000	KO BU/SU10.16HP WT	0.80
2592600000	KO BU/SU10.16HP WT	0.82
2592600000	KO BU/SU10.16HP WT	0.84
2592600000	KO BU/SU10.16HP WT	0.86
2592600000	KO BU/SU10.16HP WT	0.88
2592600000	KO BU/SU10.16HP WT	0.190
2592600000	KO BU/SU10.16HP WT	0.192
2592600000	KO BU/SU10.16HP WT	0.194
2592600000	KO BU/SU10.16HP WT	0.196
2592600000	KO BU/SU10.16HP WT	0.198
2592600000	KO BU/SU10.16HP WT	0.200
2592600000	KO BU/SU10.16HP WT	0.202
2594720000	PB-CON 160 S/02/90RFSF AG BK BX	P.4
2594950000	PB-FEED 160 50/02RF AG BK BX	P.5
2594960000	PB-LINK 160 100/02RF AG BK BX	P.5
2594970000	PB-ENDCAP 160 02RF BK BX	P.4
2595180000	PB-FEED 160 100/02RF AG BK BX	P.5
2595540000	PB-LINK 160 50/02RF AG BK BX	P.5
2597200000	SU 10.16HP/05/90MF2 3.5AG BK BX	0.192
2597210000	SU 10.16HP/06/90MF2 3.5AG BK BX	0.192
2597220000	SU 10.16HP/05/90MF3 3.5AG BK BX	0.193
2597230000	SU 10.16HP/06/90MF3 3.5AG BK BX	0.193
2597240000	SU 10.16HP/05/90MF4 3.5AG BK BX	0.193
2597250000	SU 10.16HP/06/90MF4 3.5AG BK BX	0.193
2597290000	SU 10.16HP/05/270MF2 3.5AG BK BX	0.198
2597300000	SU 10.16HP/06/270MF2 3.5AG BK BX	0.198
2597310000	SU 10.16HP/05/270MF3 3.5AG BK BX	0.199
2597320000	SU 10.16HP/06/270MF3 3.5AG BK BX	0.199
2597330000	SU 10.16HP/05/270MF4 3.5AG BK BX	0.199
2597340000	SU 10.16HP/06/270MF4 3.5AG BK BX	0.199

2610000000

2613340000	LL 10.00/03/90 3.2SN OR BX	G.37
2613390000	LL 10.00/02/90 3.2SN OR BX	G.37
2614040000	BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90	0.42

2620000000

2624760000	CH20M45 S 3P/3P BL 2013	S.29
2626800000	SV-SMT 7.62HP/04/90MF2 SC/4 2.6SN BX	0.12
2626930000	SV-SMT 7.62HP/04/90MSF2 SC/4 2.6SN BX	0.14
2627330000	BUZ 10.16IT/03/180MF2SH160 AG BK BX	0.76
2627340000	BUZ 10.16IT/04/180MF2SH160 AG BK BX	0.76
2627350000	BUZ 10.16IT/03/180MF3SH160 AG BK BX	0.78
2627360000	BUZ 10.16IT/04/180MF3SH160 AG BK BX	0.78
2627370000	BUZ 10.16IT/04/180MF4SH160 AG BK BX	0.80
2627380000	BUZ 10.16IT/03/180MF2SH180 AG BK BX	0.77
2627390000	BUZ 10.16IT/04/180MF2SH180 AG BK BX	0.77
2627400000	BUZ 10.16IT/03/180MF3SH180 AG BK BX	0.79
2627410000	BUZ 10.16IT/04/180MF3SH180 AG BK BX	0.79
2627420000	BUZ 10.16IT/04/180MF4SH180 AG BK BX	0.81
2627430000	BUZ 10.16IT/03/180MF2SH200 AG BK BX	0.77
2627440000	BUZ 10.16IT/04/180MF2SH200 AG BK BX	0.77
2627450000	BUZ 10.16IT/03/180MF3SH200 AG BK BX	0.79
2627460000	BUZ 10.16IT/04/180MF3SH200 AG BK BX	0.79
2627470000	BUZ 10.16IT/04/180MF4SH200 AG BK BX	0.81
2627480000	BUZ 10.16IT/03/180MSF2SH160 AG BK BX	0.82
2627490000	BUZ 10.16IT/04/180MSF2SH160 AG BK BX	0.82
2627500000	BUZ 10.16IT/03/180MSF3SH160 AG BK BX	0.84
2627510000	BUZ 10.16IT/04/180MSF3SH160 AG BK BX	0.84
2627520000	BUZ 10.16IT/04/180MSF4SH160 AG BK BX	0.86
2627530000	BUZ 10.16IT/03/180MSF2SH180 AG BK BX	0.83
2627540000	BUZ 10.16IT/04/180MSF2SH180 AG BK BX	0.83
2627550000	BUZ 10.16IT/03/180MSF3SH180 AG BK BX	0.85
2627560000	BUZ 10.16IT/04/180MSF3SH180 AG BK BX	0.85
2627570000	BUZ 10.16IT/04/180MSF4SH180 AG BK BX	0.87
2627580000	BUZ 10.16IT/03/180MSF2SH200 AG BK BX	0.83
2627590000	BUZ 10.16IT/04/180MSF2SH200 AG BK BX	0.83
2627600000	BUZ 10.16IT/03/180MSF3SH200 AG BK BX	0.85
2627610000	BUZ 10.16IT/04/180MSF3SH200 AG BK BX	0.85
2627620000	BUZ 10.16IT/04/180MSF4SH200 AG BK BX	0.87
2628320000	BVF 7.62HP/04/180MF2 BCF/04R SN BK BX	0.36
2628330000	BVFL 7.62HP/02/180MF2 BCF/06R SN BK BX	0.50
2628340000	BVF 7.62HP/04/180MF2 BCF/06R SN BK BX	0.36
2628350000	BVF 7.62HP/04/180MF2 BCF/08R SN BK BX	0.36
2628390000	BVF 7.62HP/05/180MF2 BCF/04R SN BK BX	0.36
2628400000	BVF 7.62HP/05/180MF2 BCF/06R SN BK BX	0.36
2628410000	BVF 7.62HP/05/180MF2 BCF/08R SN BK BX	0.36
2628450000	BVF 7.62HP/04/180MF3 BCF/04R SN BK BX	0.37
2628460000	BVF 7.62HP/04/180MF3 BCF/06R SN BK BX	0.37
2628470000	BVF 7.62HP/04/180MF3 BCF/08R SN BK BX	0.37
2628510000	BVF 7.62HP/04/180MSF2 BCF/04R SN BK BX	0.38
2628520000	BVF 7.62HP/04/180MSF2 BCF/06R SN BK BX	0.38
2628530000	BVF 7.62HP/04/180MSF2 BCF/08R SN BK BX	0.38
2628570000	BVF 7.62HP/05/180MSF2 BCF/04R SN BK BX	0.38
2628580000	BVF 7.62HP/05/180MSF2 BCF/06R SN BK BX	0.38
2628590000	BVF 7.62HP/05/180MSF2 BCF/08R SN BK BX	0.38
2628630000	BVF 7.62HP/04/180MSF3 BCF/04R SN BK BX	0.39
2628640000	BVF 7.62HP/04/180MSF3 BCF/06R SN BK BX	0.39
2628650000	BVF 7.62HP/04/180MSF3 BCF/08R SN BK BX	0.39
2628690000	BVFL 7.62HP/02/180MF2 BCF/08R SN BK BX	0.50
2628720000	BVFL 7.62HP/03/180MF2 BCF/04R SN BK BX	0.50
2628730000	BVFL 7.62HP/03/180MF2 BCF/06R SN BK BX	0.50
2628740000	BVFL 7.62HP/03/180MF2 BCF/08R SN BK BX	0.50
2628780000	BVFL 7.62HP/04/180MF2 BCF/04R SN BK BX	0.50
2628790000	BVFL 7.62HP/04/180MF2 BCF/06R SN BK BX	0.50
2628800000	BVFL 7.62HP/04/180MF2 BCF/08R SN BK BX	0.50
2628840000	BVFL 7.62HP/05/180MF2 BCF/04R SN BK BX	0.50
2628850000	BVFL 7.62HP/05/180MF2 BCF/06R SN BK BX	0.50
2628860000	BVFL 7.62HP/05/180MF2 BCF/08R SN BK BX	0.50
2628900000	BVFL 7.62HP/04/180MF3 BCF/04R SN BK BX	0.51
2628910000	BVFL 7.62HP/04/180MF3 BCF/06R SN BK BX	0.51
2628920000	BVFL 7.62HP/04/180MF3 BCF/08R SN BK BX	0.51
2628960000	BVFL 7.62HP/05/180MF3 BCF/04R SN BK BX	0.51
2628970000	BVFL 7.62HP/05/180MF3 BCF/06R SN BK BX	0.51
2628980000	BVFL 7.62HP/05/180MF3 BCF/08R SN BK BX	0.51
2629020000	BVFL 7.62HP/02/180MSF2 BCF/06R SN BK BX	0.52
2629030000	BVFL 7.62HP/02/180MSF2 BCF/08R SN BK BX	0.52
2629060000	BVFL 7.62HP/03/180MSF2 BCF/04R SN BK BX	0.52
2629070000	BVFL 7.62HP/03/180MSF2 BCF/06R SN BK BX	0.52
2629080000	BVFL 7.62HP/03/180MSF2 BCF/08R SN BK BX	0.52
2629120000	BVFL 7.62HP/04/180MSF2 BCF/04R SN BK BX	0.52
2629130000	BVFL 7.62HP/04/180MSF2 BCF/06R SN BK BX	0.52
2629140000	BVFL 7.62HP/04/180MSF2 BCF/08R SN BK BX	0.52
2629180000	BVFL 7.62HP/05/180MSF2 BCF/04R SN BK BX	0.52
2629190000	BVFL 7.62HP/05/180MSF2 BCF/06R SN BK BX	0.52
2629200000	BVFL 7.62HP/05/180MSF2 BCF/08R SN BK BX	0.52
2629240000	BVFL 7.62HP/04/180MSF3 BCF/04R SN BK BX	0.53
2629250000	BVFL 7.62HP/04/180MSF3 BCF/06R SN BK BX	0.53
2629260000	BVFL 7.62HP/04/180MSF3 BCF/08R SN BK BX	0.53
2629300000	BVFL 7.62HP/05/180MSF3 BCF/04R SN BK BX	0.53
2629310000	BVFL 7.62HP/05/180MSF3 BCF/06R SN BK BX	0.53
2629320000	BVFL 7.62HP/05/180MSF3 BCF/08R SN BK BX	0.53
2629360000	SL 7.62IT/05/90MF2 3.2SN BK BX	0.60
2629480000	SL 7.62IT/06/90MF2 3.2SN BK BX	0.60
2629490000	SL 7.62IT/04/90MF3 3.2SN BK BX SO	0.61
2629500000	SL 7.62IT/06/90MF4 3.2SN BK BX SO	0.61
2629690000	BLZ 7.62IT/05/180MF2 SN BK BX	0.62
2629740000	BLZ 7.62IT/06/180MF2 SN BK BX	0.62
2629750000	BLZ 7.62IT/04/180MF3 SN BK BX	0.63
2629920000	BVF 7.62HP/06/180MF2 SN BK BX	0.168

2630000000

2630190000	SU 10.16IT/04/270MF3 3.5AG BK BX SO	0.75
2630260000	SVFL 7.62HP/02/180MF2 SN BK BX	0.158
2630270000	BVF 7.62HP/06/180MF3 SN BK BX	0.169
2630320000	BVF 7.62HP/06/180MSF3 SN BK BX	0.171
2630420000	SVFL 7.62HP/03/180MF2 SN BK BX	0.158
2630430000	SVFL 7.62HP/04/180MF2 SN BK BX	0.158
2630450000	SVFL 7.62HP/03/180MF3 SN BK BX	0.159
2630470000	SVFL 7.62HP/04/180MF4 SN BK BX	0.159
2630700000	BVFL 7.62HP/04/180MF2 SN BK BX	0.174
2630710000	BVFL 7.62HP/05/180MF2 SN BK BX	0.174
2630720000	BVFL 7.62HP/06/180MF2 SN BK BX	0.174
2630730000	BVFL 7.62HP/06/180MF3 SN BK BX	0.175
2630740000	BVFL 7.62HP/04/180MF4 SN BK BX	0.175
2633380000	BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180	0.43
2633390000	BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180	0.49
2633400000	BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90	0.48
2638340000	CH20M12 S PSCSC AGY	S.23

2650000000

2653360000	CH20M67 B TYL/BK 2083	S.30
2653370000	CH20M67 FC TYL 2083	S.30
2653380000	CH20M67 S 3P/3P/3P TYL 2083	S.31
2654620000	PB-CO RD	P.4
2655070000	CH20M17 FC TYL 2083	S.24
2655080000	CH20M17 FC BK 2010	S.24

2660000000

2667420000	LMFS 7.50/02/90 3.5SN OR BX	G.87
2667430000	LMFS 7.50/03/90 3.5SN OR BX	G.87
2667440000	LMFS 7.50/04/90 3.5SN OR BX	G.87
2667450000	LMFS 7.50/05/90 3.5SN OR BX	G.87
2667460000	LMFS 7.50/06/90 3.5SN OR BX	G.87
2667470000	LMFS 7.50/07/90 3.5SN OR BX	G.87
2667480000	LMFS 7.50/08/90 3.5SN OR BX	G.87
2667490000	LMFS 7.50/09/90 3.5SN OR BX	G.87
2667500000	LMFS 7.50/10/90 3.5SN OR BX	G.87
2667510000	LMFS 7.50/11/90 3.5SN OR BX	G.87
2667520000	LMFS 7.50/12/90 3.5SN OR BX	G.87
2667830000	LMF 7.50/04/90 3.5SN OR BX	G.86
2667840000	LMF 7.50/05/90 3.5SN OR BX	G.86
2667850000	LMF 7.50/06/90 3.5SN OR BX	G.86
2667860000	LMF 7.50/07/90 3.5SN OR BX	G.86
2667870000	LMF 7.50/08/90 3.5SN OR BX	G.86
2667880000	LMF 7.50/09/90 3.5SN OR BX	G.86
2667910000	LMF 7.50/02/90 3.5SN OR BX	G.86
2667920000	LMF 7.50/03/90 3.5SN OR BX	G.86
2667930000	LMF 7.50/10/90 3.5SN OR BX	G.86
2668140000	LMF 7.50/11/90 3.5SN OR BX	G.86

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2668150000	LMF 7.50/12/90 3.5SN OR BX	G.86
2669590000	BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150	0.43
2669600000	BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150	0.49
2669610000	BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210	0.43
2669620000	BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210	0.49

2680000000

2681760000	BVF 7.62HP/4/180MF4 BCF/4 SNBKBX SH180	0.40
2681770000	BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180	0.47
2681780000	BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180	0.41

2700000000

2708610000	PB-CON IKSC M4X8 A2	P.4
2708620000	PB-CON SF DELTA PT 40X12	P.4

2710000000

2719370000	BVDF 7.62HP/02/180 SN BK BX	0.176
2719380000	BVDF 7.62HP/02/180SF SN BK BX	0.177

2720000000

2720430000	BVDF 7.62HP/03/180 SN BK BX	0.176
2720440000	BVDF 7.62HP/04/180 SN BK BX	0.176
2720450000	BVDF 7.62HP/05/180 SN BK BX	0.176
2720460000	BVDF 7.62HP/06/180 SN BK BX	0.176
2720470000	BVDF 7.62HP/07/180 SN BK BX	0.176
2720480000	BVDF 7.62HP/08/180 SN BK BX	0.176
2720490000	BVDF 7.62HP/03/180SF SN BK BX	0.177
2720500000	BVDF 7.62HP/04/180SF SN BK BX	0.177
2720510000	BVDF 7.62HP/05/180SF SN BK BX	0.177
2720520000	BVDF 7.62HP/06/180SF SN BK BX	0.177
2720530000	BVDF 7.62HP/07/180SF SN BK BX	0.177
2720540000	BVDF 7.62HP/08/180SF SN BK BX	0.177
2720560000	BVDF 7.62HP/02/180MSF2 SN BK BX	0.177
2720570000	BVDF 7.62HP/03/180MSF3 SN BK BX	0.177
2720580000	BVDF 7.62HP/04/180MSF3 SN BK BX	0.177
2720590000	BVDF 7.62HP/05/180MSF4 SN BK BX	0.177
2720600000	BVDF 7.62HP/06/180MSF3 SN BK BX	0.177
2720610000	BVDF 7.62HP/07/180MSF2 SN BK BX	0.177
2720620000	BVDF 7.62HP/08/180MSF5 SN BK BX	0.177

2730000000

2730830000	B2CF 3.50/12/180ZE SN OR BX	I.13
2730900000	B2CF 3.50/14/180ZE SN OR BX	I.13
2738670000	CH20M45 B SIM BK/BK 2010	S.28

2740000000

2741400000	MHS 5/02 H T3 B T	B.16
2741420000	MHS 5/03 H T3 B T	B.16
2741430000	MHS 5/04 H T3 B T	B.16
2741440000	MHS 5/05 H T3 B T	B.16
2741450000	MHS 5/06 H T3 B T	B.16
2741460000	MHS 5/07 H T3 B T	B.16
2741470000	MHS 5/08 H T3 B T	B.16
2741480000	MHS 5/09 H T3 B T	B.16
2741490000	MHS 5/10 H T3 B T	B.16
2741500000	MHS 5/11 H T3 B T	B.16
2741510000	MHS 5/12 H T3 B T	B.16
2741560000	MPS 5/02 S TN B B	B.19
2741570000	MPS 5/03 S TN B B	B.19
2741580000	MPS 5/04 S TN B B	B.19
2741590000	MPS 5/05 S TN B B	B.19
2741600000	MPS 5/06 S TN B B	B.19
2741610000	MPS 5/07 S TN B B	B.19
2741620000	MPS 5/08 S TN B B	B.19
2741630000	MPS 5/09 S TN B B	B.19
2741640000	MPS 5/10 S TN B B	B.19
2741650000	MPS 5/11 S TN B B	B.19
2741660000	MPS 5/12 S TN B B	B.19
2741670000	MPS 5/02 S F1 TN B B	B.20
2741680000	MPS 5/03 S F2 TN B B	B.20
2741690000	MPS 5/04 S F2 TN B B	B.20
2741700000	MPS 5/05 S F3 TN B B	B.20
2741710000	MPS 5/06 S F3 TN B B	B.20
2741720000	MPS 5/07 S F4 TN B B	B.20
2741730000	MPS 5/08 S F4 TN B B	B.20
2741740000	MPS 5/09 S F5 TN B B	B.20
2741750000	MPS 5/10 S F5 TN B B	B.20
2741760000	MPS 5/11 S F6 TN B B	B.20
2741770000	MPS 5/12 S F6 TN B B	B.20
2743520000	CH20M22 B SIM BK/OR 2010	S.26
2745200000	CH20M67 B 2FE BK/OR	S.30
2745360000	RJ45C5 R1V 3.2N4G/Y RL	D.13
2749320000	SDS 0.4X2.5X75	G.18
2749320000	SDS 0.4X2.5X75	G.19
2749320000	SDS 0.4X2.5X75	G.20
2749320000	SDS 0.4X2.5X75	G.21
2749320000	SDS 0.4X2.5X75	G.40
2749320000	SDS 0.4X2.5X75	G.42
2749320000	SDS 0.4X2.5X75	G.44
2749320000	SDS 0.4X2.5X75	G.46
2749320000	SDS 0.4X2.5X75	G.48
2749320000	SDS 0.4X2.5X75	G.50
2749320000	SDS 0.4X2.5X75	G.52

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2749320000	SDS 0.4X2.5X75	G.54
2749320000	SDS 0.4X2.5X75	G.56
2749320000	SDS 0.4X2.5X75	G.58
2749320000	SDS 0.4X2.5X75	G.60
2749320000	SDS 0.4X2.5X75	G.62
2749320000	SDS 0.4X2.5X75	G.64
2749320000	SDS 0.4X2.5X75	G.66
2749320000	SDS 0.4X2.5X75	G.68
2749320000	SDS 0.4X2.5X75	G.70
2749320000	SDS 0.4X2.5X75	G.72
2749320000	SDS 0.4X2.5X75	G.74
2749320000	SDS 0.4X2.5X75	G.76
2749320000	SDS 0.4X2.5X75	G.78
2749320000	SDS 0.4X2.5X75	G.80
2749320000	SDS 0.4X2.5X75	G.90
2749320000	SDS 0.4X2.5X75	I.12
2749320000	SDS 0.4X2.5X75	I.18
2749320000	SDS 0.4X2.5X75	I.48
2749320000	SDS 0.4X2.5X75	I.50
2749320000	SDS 0.4X2.5X75	I.54
2749320000	SDS 0.4X2.5X75	I.56
2749320000	SDS 0.4X2.5X75	I.58
2749320000	SDS 0.4X2.5X75	I.60
2749320000	SDS 0.4X2.5X75	J.44
2749320000	SDS 0.4X2.5X75	J.46
2749320000	SDS 0.4X2.5X75	J.48
2749320000	SDS 0.4X2.5X75	J.50
2749320000	SDS 0.4X2.5X75	J.52
2749320000	SDS 0.4X2.5X75	J.54
2749320000	SDS 0.4X2.5X75	J.56
2749320000	SDS 0.4X2.5X75	M.15
2749320000	SDS 0.4X2.5X75	Q.10
2749320000	SDS 0.4X2.5X75	R.5
2749320000	SDS 0.4X2.5X75	S.52
2749330000	SDS 0.5X3.0X80	M.15
2749330000	SDS 0.5X3.0X80	N.26
2749330000	SDS 0.5X3.0X80	N.27
2749330000	SDS 0.5X3.0X80	Q.112
2749330000	SDS 0.5X3.0X80	Q.10
2749330000	SDS 0.5X3.0X80	R.5
2749330000	SDS 0.5X3.0X80	S.52
2749340000	SDS 0.6X3.5X100	G.22
2749340000	SDS 0.6X3.5X100	G.24
2749340000	SDS 0.6X3.5X100	G.26
2749340000	SDS 0.6X3.5X100	G.28
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2749340000	SDS 0.6X3.5X100	G.34
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2749340000	SDS 0.6X3.5X100	G.84
2749340000	SDS 0.6X3.5X100	G.92
2749340000	SDS 0.6X3.5X100	G.94
2749340000	SDS 0.6X3.5X100	G.96
2749340000	SDS 0.6X3.5X100	G.98
2749340000	SDS 0.6X3.5X100	K.40
2749340000	SDS 0.6X3.5X100	K.42
2749340000	SDS 0.6X3.5X100	K.44
2749340000	SDS 0.6X3.5X100	K.46
2749340000	SDS 0.6X3.5X100	K.48
2749340000	SDS 0.6X3.5X100	K.82
2749340000	SDS 0.6X3.5X100	K.84
2749340000	SDS 0.6X3.5X100	K.86
2749340000	SDS 0.6X3.5X100	K.88
2749340000	SDS 0.6X3.5X100	K.90
2749340000	SDS 0.6X3.5X100	K.92
2749340000	SDS 0.6X3.5X100	K.93
2749340000	SDS 0.6X3.5X100	K.94
2749340000	SDS 0.6X3.5X100	K.96
2749340000	SDS 0.6X3.5X100	K.98
2749340000	SDS 0.6X3.5X100	K.100
2749340000	SDS 0.6X3.5X100	K.102
2749340000	SDS 0.6X3.5X100	K.104
2749340000	SDS 0.6X3.5X100	K.106
2749340000	SDS 0.6X3.5X100	K.108
2749340000	SDS 0.6X3.5X100	K.110
2749340000	SDS 0.6X3.5X100	K.112
2749340000	SDS 0.6X3.5X100	K.114
2749340000	SDS 0.6X3.5X100	M.15
2749340000	SDS 0.6X3.5X100	0.40
2749340000	SDS 0.6X3.5X100	0.42
2749340000	SDS 0.6X3.5X100	0.46
2749340000	SDS 0.6X3.5X100	0.50
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2749340000	SDS 0.6X3.5X100	0.62
2749340000	SDS 0.6X3.5X100	0.110
2749340000	SDS 0.6X3.5X100	0.150
2749340000	SDS 0.6X3.5X100	0.176
2749340000	SDS 0.6X3.5X100	R.5
2749340000	SDS 0.6X3.5X100	S.52
2749340000	SDS 0.6X3.5X100	S.53
2749360000	SDS 0.8X4.0X100	G.36
2749360000	SDS 0.8X4.0X100	M.15
2749360000	SDS 0.8X4.0X100	N.16
2749360000	SDS 0.8X4.0X100	N.28
2749360000	SDS 0.8X4.0X100	N.29
2749360000	SDS 0.8X4.0X100	N.30
2749360000	SDS 0.8X4.0X100	N.31
2749360000	SDS 0.8X4.0X100	N.32
2749360000	SDS 0.8X4.0X100	N.33

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2749360000	SDS 0.8X4.0X100	N.34
2749360000	SDS 0.8X4.0X100	N.35
2749360000	SDS 0.8X4.0X100	N.36
2749360000	SDS 0.8X4.0X100	N.37
2749360000	SDS 0.8X4.0X100	N.38
2749360000	SDS 0.8X4.0X100	N.39
2749360000	SDS 0.8X4.0X100	N.40
2749360000	SDS 0.8X4.0X100	N.41
2749360000	SDS 0.8X4.0X100	R.5
2749360000	SDS 0.8X4.0X100	S.52
2749370000	SDS 0.8X4.5X125	M.15
2749370000	SDS 0.8X4.5X125	0.34
2749370000	SDS 0.8X4.5X125	0.36
2749370000	SDS 0.8X4.5X125	0.38
2749370000	SDS 0.8X4.5X125	0.44
2749370000	SDS 0.8X4.5X125	0.70
2749370000	SDS 0.8X4.5X125	0.144
2749370000	SDS 0.8X4.5X125	0.146
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2749370000	SDS 0.8X4.5X125	0.152
2749370000	SDS 0.8X4.5X125	0.154
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2749370000	SDS 0.8X4.5X125	0.168
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2749370000	SDS 0.8X4.5X125	0.172
2749370000	SDS 0.8X4.5X125	0.174
2749370000	SDS 0.8X4.5X125	R.5
2749370000	SDS 0.8X4.5X125	S.52
2749380000	SDS 1.0X5.5X150	M.15
2749380000	SDS 1.0X5.5X150	N.18
2749380000	SDS 1.0X5.5X150	N.19
2749380000	SDS 1.0X5.5X150	N.20
2749380000	SDS 1.0X5.5X150	N.21
2749380000	SDS 1.0X5.5X150	R.5
2749380000	SDS 1.0X5.5X150	S.52
2749390000	SDS 1.2X6.5X150	M.15
2749390000	SDS 1.2X6.5X150	N.22
2749390000	SDS 1.2X6.5X150	N.24
2749390000	SDS 1.2X6.5X150	R.5
2749390000	SDS 1.2X6.5X150	S.52
2749400000	SDK PH0 X 60	M.15
2749400000	SDK PH0 X 60	R.5
2749400000	SDK PH0 X 60	S.52
2749410000	SDK PH1 X 80	K.40
2749410000	SDK PH1 X 80	K.42
2749410000	SDK PH1 X 80	K.44
2749410000	SDK PH1 X 80	K.96
2749410000	SDK PH1 X 80	K.98
2749410000	SDK PH1 X 80	K.100
2749410000	SDK PH1 X 80	K.102
2749410000	SDK PH1 X 80	M.15
2749410000	SDK PH1 X 80	0.70
2749410000	SDK PH1 X 80	0.160
2749410000	SDK PH1 X 80	0.162
2749410000	SDK PH1 X 80	0.164
2749410000	SDK PH1 X 80	R.5
2749410000	SDK PH1 X 80	S.52
2749420000	SDK PH2 X 100	M.15
2749420000	SDK PH2 X 100	R.5
2749420000	SDK PH2 X 100	S.52
2749430000	SDK PH3 X 150	M.15
2749430000	SDK PH3 X 150	R.5
2749430000	SDK PH3 X 150	S.52
2749440000	SDK PZ1 X 80	G.36
2749440000	SDK PZ1 X 80	K.40
2749440000	SDK PZ1 X 80	K.42
2749440000	SDK PZ1 X 80	K.44
2749440000	SDK PZ1 X 80	K.96
2749440000	SDK PZ1 X 80	K.98
2749440000	SDK PZ1 X 80	K.100
2749440000	SDK PZ1 X 80	K.102
2749440000	SDK PZ1 X 80	M.15
2749440000	SDK PZ1 X 80	N.16
2749440000	SDK PZ1 X 80	R.5
2749440000	SDK PZ1 X 80	S.52
2749450000	SDK PZ2 X 100	M.15
2749450000	SDK PZ2 X 100	N.18
2749450000	SDK PZ2 X 100	N.19
2749450000	SDK PZ2 X 100	N.20
2749450000	SDK PZ2 X 100	N.21
2749450000	SDK PZ2 X 100	N.22
2749450000	SDK PZ2 X 100	N.24
2749450000	SDK PZ2 X 100	0.76
2749450000	SDK PZ2 X 100	0.78
2749450000	SDK PZ2 X 100	0.80
2749450000	SDK PZ2 X 100	0.82
2749450000	SDK PZ2 X 100	0.84
2749450000	SDK PZ2 X 100	0.86
2749450000	SDK PZ2 X 100	0.88
2749450000	SDK PZ2 X 100	0.200
2749450000	SDK PZ2 X 100	0.202
2749450000	SDK PZ2 X 100	R.5
2749450000	SDK PZ2 X 100	S.52
2749460000	SDK PZ3 X 150	M.15

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2749460000	SDK PZ3 X 150	R.5
2749460000	SDK PZ3 X 150	S.52
2749790000	SDIS 0.4X2.5X75	G.18
2749790000	SDIS 0.4X2.5X75	G.19
2749790000	SDIS 0.4X2.5X75	G.20
2749790000	SDIS 0.4X2.5X75	G.21
2749790000	SDIS 0.4X2.5X75	G.40
2749790000	SDIS 0.4X2.5X75	G.42
2749790000	SDIS 0.4X2.5X75	G.44
2749790000	SDIS 0.4X2.5X75	G.46
2749790000	SDIS 0.4X2.5X75	G.48
2749790000	SDIS 0.4X2.5X75	G.50
2749790000	SDIS 0.4X2.5X75	G.52
2749790000	SDIS 0.4X2.5X75	G.54
2749790000	SDIS 0.4X2.5X75	G.56
2749790000	SDIS 0.4X2.5X75	G.58
2749790000	SDIS 0.4X2.5X75	G.60
2749790000	SDIS 0.4X2.5X75	G.62
2749790000	SDIS 0.4X2.5X75	G.64
2749790000	SDIS 0.4X2.5X75	G.66
2749790000	SDIS 0.4X2.5X75	G.68
2749790000	SDIS 0.4X2.5X75	G.70
2749790000	SDIS 0.4X2.5X75	G.72
2749790000	SDIS 0.4X2.5X75	G.74
2749790000	SDIS 0.4X2.5X75	G.76
2749790000	SDIS 0.4X2.5X75	G.78
2749790000	SDIS 0.4X2.5X75	G.80
2749790000	SDIS 0.4X2.5X75	G.90
2749790000	SDIS 0.4X2.5X75	I.48
2749790000	SDIS 0.4X2.5X75	I.50
2749790000	SDIS 0.4X2.5X75	I.54
2749790000	SDIS 0.4X2.5X75	I.56
2749790000	SDIS 0.4X2.5X75	I.58
2749790000	SDIS 0.4X2.5X75	I.60
2749790000	SDIS 0.4X2.5X75	J.44
2749790000	SDIS 0.4X2.5X75	J.46
2749790000	SDIS 0.4X2.5X75	J.48
2749790000	SDIS 0.4X2.5X75	J.50
2749790000	SDIS 0.4X2.5X75	J.52
2749790000	SDIS 0.4X2.5X75	J.54
2749790000	SDIS 0.4X2.5X75	J.56
2749790000	SDIS 0.4X2.5X75	M.15
2749790000	SDIS 0.4X2.5X75	R.5
2749790000	SDIS 0.4X2.5X75	S.52
2749800000	SDIS 0.5X3.0X100	M.15
2749800000	SDIS 0.5X3.0X100	N.26
2749800000	SDIS 0.5X3.0X100	N.27
2749800000	SDIS 0.5X3.0X100	Q.112
2749800000	SDIS 0.5X3.0X100	R.5
2749800000	SDIS 0.5X3.0X100	S.52
2749810000	SDIS 0.6X3.5X100	G.22
2749810000	SDIS 0.6X3.5X100	G.24
2749810000	SDIS 0.6X3.5X100	G.26
2749810000	SDIS 0.6X3.5X100	G.28
2749810000	SDIS 0.6X3.5X100	G.30
2749810000	SDIS 0.6X3.5X100	G.32
2749810000	SDIS 0.6X3.5X100	G.34
2749810000	SDIS 0.6X3.5X100	G.38
2749810000	SDIS 0.6X3.5X100	G.39
2749810000	SDIS 0.6X3.5X100	G.92
2749810000	SDIS 0.6X3.5X100	G.94
2749810000	SDIS 0.6X3.5X100	G.96
2749810000	SDIS 0.6X3.5X100	G.98
2749810000	SDIS 0.6X3.5X100	K.40
2749810000	SDIS 0.6X3.5X100	K.42
2749810000	SDIS 0.6X3.5X100	K.44
2749810000	SDIS 0.6X3.5X100	K.46
2749810000	SDIS 0.6X3.5X100	K.48
2749810000	SDIS 0.6X3.5X100	K.82
2749810000	SDIS 0.6X3.5X100	K.84
2749810000	SDIS 0.6X3.5X100	K.86
2749810000	SDIS 0.6X3.5X100	K.88
2749810000	SDIS 0.6X3.5X100	K.90
2749810000	SDIS 0.6X3.5X100	K.92
2749810000	SDIS 0.6X3.5X100	K.93
2749810000	SDIS 0.6X3.5X100	K.94
2749810000	SDIS 0.6X3.5X100	K.96
2749810000	SDIS 0.6X3.5X100	K.98
2749810000	SDIS 0.6X3.5X100	K.100
2749810000	SDIS 0.6X3.5X100	K.102
2749810000	SDIS 0.6X3.5X100	K.104
2749810000	SDIS 0.6X3.5X100	K.106
2749810000	SDIS 0.6X3.5X100	K.108
2749810000	SDIS 0.6X3.5X100	K.110
2749810000	SDIS 0.6X3.5X100	K.112
2749810000	SDIS 0.6X3.5X100	K.114
2749810000	SDIS 0.6X3.5X100	M.15
2749810000	SDIS 0.6X3.5X100	0.62
2749810000	SDIS 0.6X3.5X100	0.110
2749810000	SDIS 0.6X3.5X100	0.150
2749810000	SDIS 0.6X3.5X100	Q.12
2749810000	SDIS 0.6X3.5X100	R.5
2749810000	SDIS 0.6X3.5X100	S.52
2749820000	SDIS 0.8X4.0X100	G.36
2749820000	SDIS 0.8X4.0X100	M.15
2749820000	SDIS 0.8X4.0X100	N.16
2749820000	SDIS 0.8X4.0X100	N.28
2749820000	SDIS 0.8X4.0X100	N.29
2749820000	SDIS 0.8X4.0X100	N.30

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Order No.	Type	Page
2749820000	SDIS 0.8X4.0X100	N.31
2749820000	SDIS 0.8X4.0X100	N.32
2749820000	SDIS 0.8X4.0X100	N.33
2749820000	SDIS 0.8X4.0X100	N.34
2749820000	SDIS 0.8X4.0X100	N.35
2749820000	SDIS 0.8X4.0X100	N.36
2749820000	SDIS 0.8X4.0X100	N.37
2749820000	SDIS 0.8X4.0X100	N.38
2749820000	SDIS 0.8X4.0X100	N.39
2749820000	SDIS 0.8X4.0X100	N.40
2749820000	SDIS 0.8X4.0X100	N.41
2749820000	SDIS 0.8X4.0X100	Q.14
2749820000	SDIS 0.8X4.0X100	Q.16
2749820000	SDIS 0.8X4.0X100	R.5
2749820000	SDIS 0.8X4.0X100	S.52
2749830000	SDIS 1.0X4.5X125	M.15
2749830000	SDIS 1.0X4.5X125	R.5
2749830000	SDIS 1.0X4.5X125	S.52
2749850000	SDIS 1.0X5.5X125	M.15
2749850000	SDIS 1.0X5.5X125	N.18
2749850000	SDIS 1.0X5.5X125	N.19
2749850000	SDIS 1.0X5.5X125	N.20
2749850000	SDIS 1.0X5.5X125	N.21
2749850000	SDIS 1.0X5.5X125	Q.76
2749850000	SDIS 1.0X5.5X125	Q.78
2749850000	SDIS 1.0X5.5X125	Q.80
2749850000	SDIS 1.0X5.5X125	Q.82
2749850000	SDIS 1.0X5.5X125	Q.84
2749850000	SDIS 1.0X5.5X125	Q.86
2749850000	SDIS 1.0X5.5X125	Q.88
2749850000	SDIS 1.0X5.5X125	Q.200
2749850000	SDIS 1.0X5.5X125	Q.202
2749850000	SDIS 1.0X5.5X125	Q.18
2749850000	SDIS 1.0X5.5X125	R.5
2749850000	SDIS 1.0X5.5X125	S.52
2749860000	SDIS 1.2X6.5X150	M.15
2749860000	SDIS 1.2X6.5X150	N.22
2749860000	SDIS 1.2X6.5X150	N.24
2749860000	SDIS 1.2X6.5X150	Q.20
2749860000	SDIS 1.2X6.5X150	Q.22
2749860000	SDIS 1.2X6.5X150	R.5
2749860000	SDIS 1.2X6.5X150	S.52
2749870000	SDIS 1.2X8.0X175	M.15
2749870000	SDIS 1.2X8.0X175	R.5
2749870000	SDIS 1.2X8.0X175	S.52
2749930000	SDIK PZ2 X 100	N.18
2749930000	SDIK PZ2 X 100	N.19
2749930000	SDIK PZ2 X 100	N.20
2749930000	SDIK PZ2 X 100	N.21
2749930000	SDIK PZ2 X 100	N.22
2749930000	SDIK PZ2 X 100	N.24
2749930000	SDIK PZ2 X 100	Q.76
2749930000	SDIK PZ2 X 100	Q.78
2749930000	SDIK PZ2 X 100	Q.80
2749930000	SDIK PZ2 X 100	Q.82
2749930000	SDIK PZ2 X 100	Q.84
2749930000	SDIK PZ2 X 100	Q.86
2749930000	SDIK PZ2 X 100	Q.88
2749930000	SDIK PZ2 X 100	Q.200
2749930000	SDIK PZ2 X 100	Q.202

2770000000

2771130000	CH20M6 BC 4P-4P BUS BK 1 1261494	S.21
2771150000	CH20M6 BC 4P-4P BUS RD 1 1261515	S.21
2771160000	CH20M6 BC 4P-4P BK 1 1261494	S.21
2771190000	CH20M6 BC 4P-4P RD 1 1261515	S.21
2771210000	CH20M6 BC 4P-4P AGY 1 1293807	S.21
2771220000	CH20M6 BC 4P-4P BUS AGY 1 1293807	S.21
2771410000	CH20M6 BP 4P-4P BUS RD LF 1 1261515	S.20
2771420000	CH20M6 BP 4P-4P BUS AGY LF 1 1293807	S.20
2771430000	CH20M6 BP 4P-4P BUS BK LF 1 1261494	S.20
2771450000	CH20M6 BP 4P-4P AGY LF 1 1293807	S.20
2771470000	CH20M6 BP 4P-4P BK LF 1 1261494	S.20
2771490000	CH20M6 BP 4P-4P RD LF 1 1261515	S.20
2774540000	LMF 7.50/02/180 3.5SN OR BX	G.87
2774550000	LMF 7.50/03/180 3.5SN OR BX	G.87
2774560000	LMF 7.50/04/180 3.5SN OR BX	G.87
2774570000	LMF 7.50/05/180 3.5SN OR BX	G.87
2774580000	LMF 7.50/06/180 3.5SN OR BX	G.87
2774590000	LMF 7.50/07/180 3.5SN OR BX	G.87
2774600000	LMF 7.50/08/180 3.5SN OR BX	G.87
2774610000	LMF 7.50/09/180 3.5SN OR BX	G.87
2774620000	LMF 7.50/10/180 3.5SN OR BX	G.87
2774630000	LMF 7.50/11/180 3.5SN OR BX	G.87
2774640000	LMF 7.50/12/180 3.5SN OR BX	G.87
2774760000	LMFS 7.50/02/180 3.5SN OR BX	G.87
2774770000	LMFS 7.50/03/180 3.5SN OR BX	G.87
2774780000	LMFS 7.50/04/180 3.5SN OR BX	G.87
2774790000	LMFS 7.50/05/180 3.5SN OR BX	G.87
2774800000	LMFS 7.50/06/180 3.5SN OR BX	G.87
2774810000	LMFS 7.50/07/180 3.5SN OR BX	G.87
2774820000	LMFS 7.50/08/180 3.5SN OR BX	G.87
2774830000	LMFS 7.50/09/180 3.5SN OR BX	G.87
2774840000	LMFS 7.50/10/180 3.5SN OR BX	G.87
2774850000	LMFS 7.50/11/180 3.5SN OR BX	G.87
2774860000	LMFS 7.50/12/180 3.5SN OR BX	G.87

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2786530000	LMFV 5.00/02/90 3.5SN OR BX	G.88
2786540000	LMFV 5.00/03/90 3.5SN OR BX	G.88
2786550000	LMFV 5.00/04/90 3.5SN OR BX	G.88
2786560000	LMFV 5.00/05/90 3.5SN OR BX	G.88
2786570000	LMFV 5.00/06/90 3.5SN OR BX	G.88
2786580000	LMFV 5.00/07/90 3.5SN OR BX	G.88
2786590000	LMFV 5.00/08/90 3.5SN OR BX	G.88
2786600000	LMFV 5.00/09/90 3.5SN OR BX	G.88
2786620000	LMFV 5.00/10/90 3.5SN OR BX	G.88
2786630000	LMFV 5.00/11/90 3.5SN OR BX	G.88
2786640000	LMFV 5.00/12/90 3.5SN OR BX	G.88
2786690000	LMFV 5.00/16/90 3.5SN OR BX	G.88
2787570000	LMFV 7.50/02/90 3.5SN OR BX	G.89
2787580000	LMFV 7.50/03/90 3.5SN OR BX	G.89
2787590000	LMFV 7.50/04/90 3.5SN OR BX	G.89
2787600000	LMFV 7.50/05/90 3.5SN OR BX	G.89
2787610000	LMFV 7.50/06/90 3.5SN OR BX	G.89
2787620000	LMFV 7.50/07/90 3.5SN OR BX	G.89
2787630000	LMFV 7.50/08/90 3.5SN OR BX	G.89
2787640000	LMFV 7.50/09/90 3.5SN OR BX	G.89
2787650000	LMFV 7.50/10/90 3.5SN OR BX	G.89
2787660000	LMFV 7.50/11/90 3.5SN OR BX	G.89
2787670000	LMFV 7.50/12/90 3.5SN OR BX	G.89

2810000000

2812290000	SU 10.16 BFSC S 35X12	Q.72
2812290000	SU 10.16 BFSC S 35X12	Q.74
2812290000	SU 10.16 BFSC S 35X12	Q.190
2812290000	SU 10.16 BFSC S 35X12	Q.192
2812290000	SU 10.16 BFSC S 35X12	Q.194
2812290000	SU 10.16 BFSC S 35X12	Q.196
2812290000	SU 10.16 BFSC S 35X12	Q.198
2812340000	SU 10.16 BFSC P 35X 14	Q.72
2812340000	SU 10.16 BFSC P 35X 14	Q.74
2812340000	SU 10.16 BFSC P 35X 14	Q.190
2812340000	SU 10.16 BFSC P 35X 14	Q.192
2812340000	SU 10.16 BFSC P 35X 14	Q.194
2812340000	SU 10.16 BFSC P 35X 14	Q.196
2812340000	SU 10.16 BFSC P 35X 14	Q.198

2860000000

2862920000	RJ45M R1D 3.3N4G/Y RL	D.31

2870000000

2872550000	BLZP APL 5.00HC/03/180F SN OR BX	F.7
2873470000	LMF APL 5.00/03/180 3.5SN BX	F.10
2873480000	LMF APL 5.00/03/90 3.5SN BX	F.11
2873490000	LM APL 5.08/03/135 3.5SN OR BX	F.8
2873500000	LM APL 5.08/03/90 3.5SN OR BX	F.9
2875050000	LSF-SMT APL 3.81/03/135 3.5SN BK TU	F.12
2875090000	LSF-SMT APL 5.00/03/135 1.5SN BK TU	F.13

2880000000

2887690000	U-MAKER BOX RASPBERRY PI 4	S.56
2887700000	U-MAKER BOX EXTENSION KIT	S.57

2900000000

2903230000	SH ETH U	F.7
2903230000	SH ETH U	F.8
2903230000	SH ETH U	F.9
2903230000	SH ETH U	F.10
2903230000	SH ETH U	F.11
2903230000	SH ETH U	F.12
2903230000	SH ETH U	F.13

2910000000

2913600000	MTS 5/02 H T4 B T	B.32
2913610000	MTS 5/03 H T4 B T	B.32
2913620000	MTS 5/04 H T4 B T	B.32
2913630000	MTS 5/05 H T4 B T	B.32
2913640000	MTS 5/06 H T4 B T	B.32
2913650000	MTS 5/07 H T4 B T	B.32
2913660000	MTS 5/08 H T4 B T	B.32
2913670000	MTS 5/09 H T4 B T	B.32
2913680000	MTS 5/10 H T4 B T	B.32
2913690000	MTS 5/11 H T4 B T	B.32
2913700000	MTS 5/12 H T4 B T	B.32
2913710000	MTS 5/02 V T4 B T	B.33
2913720000	MTS 5/03 V T4 B T	B.33
2913730000	MTS 5/04 V T4 B T	B.33
2913740000	MTS 5/05 V T4 B T	B.33
2913750000	MTS 5/06 V T4 B T	B.33
2913760000	MTS 5/07 V T4 B T	B.33
2913770000	MTS 5/08 V T4 B T	B.33
2913780000	MTS 5/09 V T4 B T	B.33
2913790000	MTS 5/10 V T4 B T	B.33
2913800000	MTS 5/11 V T4 B T	B.33
2913810000	MTS 5/12 V T4 B T	B.33

Order No.	Type	Page
2987540000	USB3.1C S1V DN1 RL	E.6
2987560000	USB3.1C S1H DN1 RL	E.8

3020000000

3021270000	B2CF 3.50/16/180ZE SN OR BX	I.13
3021310000	B2CF 3.50/18/180ZE SN OR BX	I.13
3021330000	B2CF 3.50/20/180ZE SN OR BX	I.13
3021340000	B2CF 3.50/22/180ZE SN OR BX	I.13
3021350000	B2CF 3.50/24/180ZE SN OR BX	I.13

3040000000

3040750000	SL-SMT 7.62HP/02/90G 2.1SN BK BX	0.98
3040760000	SL-SMT 7.62HP/03/90G 2.1SN BK BX	0.98
3040770000	SL-SMT 7.62HP/04/90G 2.1SN BK BX	0.98
3040780000	SL-SMT 7.62HP/04/90G 2.1SN BK RL	0.99

3060000000

3066290000	RJ45C5 R1U 2.2N4N RL	D.17

3070000000

3077550000	LSF-SMT SPE 3.50/02/135 3.5SN BK TU	C.13
3077560000	LSF-SMT SPE 3.50/03/135 3.5SN BK TU	C.13
3077570000	LSF-SMT SPE 5.00/02/135 3.5SN BK TU	C.13
3077630000	LSF-SMT SPE 5.00/03/135 3.5SN BK TU	C.13

3080000000

3080240000	U-MAKER BOX RASPBERRY PI 5	S.56
3089370000	LM SPE 5.08/02/135 3.5SN OR BX	C.13
3089380000	LM SPE 5.08/03/135 3.5SN OR BX	C.13

3090000000

3095900000	MTS SPE 5/02 H T4 B T	C.13
3095910000	MTS SPE 5/03 H T4 B T	C.13
3095920000	MTS SPE 5/02 V T4 B T	C.13
3095980000	MTS SPE 5/03 V T4 B T	C.13

3100000000

3100390000	USB3.1C S1V DN4 RL	E.7
3106830000	MPS 6/02 S TN B B	B.28
3106840000	MPS 6/04 S TN B B	B.28
3106850000	MPS 6/09 S TN B B	B.28
3106860000	MPS 6/02 S LF TN B B	B.29
3106870000	MPS 6/04 S LF TN B B	B.29
3106880000	MPS 6/08 S LF TN B B	B.29
3106890000	MHS 6/02 H T3 B T	B.26
3106900000	MHS 6/04 H T3 B T	B.26
3106910000	MHS 6/08 H T3 B T	B.26
3106920000	MHS 6/09 H T3 B T	B.26
3106930000	MHS 6/02 V T3 B T	B.27
3106940000	MHS 6/04 V T3 B T	B.27
3106950000	MHS 6/08 V T3 B T	B.27
3106960000	MHS 6/09 V T3 B T	B.27
3107630000	CH20M6 BP 4P-4P FE TGY 1 1293806	S.20

3110000000

3114100000	SL-SMT 7.62HP/02/90G 2.1SN BK RL	0.99
3114110000	SL-SMT 7.62HP/03/90G 2.1SN BK RL	0.99
3114120000	SL-SMT 7.62HP/05/90G 2.1SN BK RL	0.99
3114130000	SL-SMT 7.62HP/06/90G 2.1SN BK RL	0.99
3114140000	SL-SMT 7.62HP/05/90G 2.1SN BK BX	0.98
3114150000	SL-SMT 7.62HP/06/90G 2.1SN BK BX	0.98
3114160000	SL-SMT 7.62HP/02/90LF 2.1SN BK BX	0.99
3114170000	SL-SMT 7.62HP/03/90LF 2.1SN BK BX	0.99
3114180000	SL-SMT 7.62HP/04/90LF 2.1SN BK BX	0.99
3114190000	SL-SMT 7.62HP/05/90LF 2.1SN BK BX	0.99
3114200000	SL-SMT 7.62HP/06/90LF 2.1SN BK BX	0.99
3114210000	SL-SMT 7.62HP/02/90LF 2.1SN BK RL	0.99
3114220000	SL-SMT 7.62HP/03/90LF 2.1SN BK RL	0.99
3114230000	SL-SMT 7.62HP/04/90LF 2.1SN BK RL	0.99
3114240000	SL-SMT 7.62HP/05/90LF 2.1SN BK RL	0.99
3114250000	SL-SMT 7.62HP/06/90LF 2.1SN BK RL	0.99
3114260000	SL-SMT 7.62HP/02/180G 2.1SN BK BX	0.100
3114270000	SL-SMT 7.62HP/03/180G 2.1SN BK BX	0.100
3114280000	SL-SMT 7.62HP/04/180G 2.1SN BK BX	0.100
3114290000	SL-SMT 7.62HP/05/180G 2.1SN BK BX	0.100
3114300000	SL-SMT 7.62HP/06/180G 2.1SN BK BX	0.100
3114310000	SL-SMT 7.62HP/02/180G 2.1SN BK RL	0.101
3114320000	SL-SMT 7.62HP/03/180G 2.1SN BK RL	0.101
3114330000	SL-SMT 7.62HP/04/180G 2.1SN BK RL	0.101
3114340000	SL-SMT 7.62HP/05/180G 2.1SN BK RL	0.101
3114350000	SL-SMT 7.62HP/06/180G 2.1SN BK RL	0.101
3114360000	SL-SMT 7.62HP/02/180LF 2.1SN BK BX	0.101
3114370000	SL-SMT 7.62HP/03/180LF 2.1SN BK BX	0.101
3114380000	SL-SMT 7.62HP/04/180LF 2.1SN BK BX	0.101
3114390000	SL-SMT 7.62HP/05/180LF 2.1SN BK BX	0.101
3114400000	SL-SMT 7.62HP/06/180LF 2.1SN BK BX	0.101
3114410000	SL-SMT 7.62HP/02/180LF 2.1SN BK RL	0.101
3114420000	SL-SMT 7.62HP/03/180LF 2.1SN BK RL	0.101
3114430000	SL-SMT 7.62HP/04/180LF 2.1SN BK RL	0.101
3114440000	SL-SMT 7.62HP/05/180LF 2.1SN BK RL	0.101
3114450000	SL-SMT 7.62HP/06/180LF 2.1SN BK RL	0.101

3120000000

3124610000	MTS 7S/02 H T4 B T	B.34
3124620000	MTS 7S/03 H T4 B T	B.34
3124630000	MTS 7S/04 H T4 B T	B.34
3124640000	MTS 7S/05 H T4 B T	B.34
3124650000	MTS 7S/06 H T4 B T	B.34
3124660000	MTS 7S/07 H T4 B T	B.34
3124670000	MTS 7S/08 H T4 B T	B.34
3124680000	MTS 7S/02 V T4 B T	B.35
3124690000	MTS 7S/03 V T4 B T	B.35
3124700000	MTS 7S/04 V T4 B T	B.35
3124710000	MTS 7S/05 V T4 B T	B.35
3124720000	MTS 7S/06 V T4 B T	B.35
3124730000	MTS 7S/07 V T4 B T	B.35
3124740000	MTS 7S/08 V T4 B T	B.35
3125420000	USB2.0C S1V DA4 RL	E.7
3128900000	MHS 6/03 H T3 B T	B.26
3128910000	MHS 6/05 H T3 B T	B.26
3128920000	MHS 6/06 H T3 B T	B.26
3128930000	MHS 6/07 H T3 B T	B.26
3128940000	MHS 6/03 V T3 B T	B.27
3128950000	MHS 6/05 V T3 B T	B.27
3128960000	MHS 6/06 V T3 B T	B.27
3128970000	MHS 6/07 V T3 B T	B.27

3130000000

3137640000	SLD 7.62HP/04/90G 3.2SN BK BX	0.108
3137650000	SLD 7.62HP/06/90G 3.2SN BK BX	0.108
3137660000	SLD 7.62HP/08/90G 3.2SN BK BX	0.108
3137670000	SLD 7.62HP/10/90G 3.2SN BK BX	0.108
3137680000	SLD 7.62HP/12/90G 3.2SN BK BX	0.108
3139090000	RJ45C5 R1D 1.9E4G/Y RL	D.15

3150000000

3150000000	IE-PS-SPO-S-FH-2-180	C.12
3150000000	IE-PS-SPO-S-FH-2-180	C.14
3150590000	SPE P20 R1H 2.1 6 YG/YG TU	C.13
3150590000	SPE P20 R1H 2.1 6 YG/YG TU	C.15
3150600000	SPE P20 R1H 2.1 6 N/N TU	C.13
3150600000	SPE P20 R1H 2.1 6 N/N TU	C.15
3157040000	LHF-SMT L 1.5SN BK/GY RL	S.32
3157050000	LHF-SMT R 1.5SN BK/GY RL	S.32
3158920000	USB3.1C S1V 1.7N4 RL	E.7

3180000000

3180870000	SPE M12F DD RV 2.0 6 TY	C.13
3180870000	SPE M12F DD RV 2.0 6 TY	C.17

3220000000

3228130000	SPE M12F DC FPM16 RV 2.0 6 TY	C.13
3228130000	SPE M12F DC FPM16 RV 2.0 6 TY	C.16
3228140000	SPE M12F DC BPM16 RV 2.0 6 TY	C.13
3228140000	SPE M12F DC BPM16 RV 2.0 6 TY	C.16

3230000000

3234500000	SPE P20 R1H 2.1 6 N/N RL	C.13
3234500000	SPE P20 R1H 2.1 6 N/N RL	C.15
3234510000	SPE P20 R1H 2.1 6 YG/YG RL	C.13
3234510000	SPE P20 R1H 2.1 6 YG/YG RL	C.15
3239620000	IE-PS-MSPE-P-FH	C.12

4010000000

4010870000	PF RS 100 GR 2000MM	S.49
4011200000	LKSC M2,9X13VZ	S.48
4019420000	PTSC KB40X14	S.49

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4144870000	PF RS 100 OR 2000MM	S.49

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4157440000	PF RS 80 OR 2000MM	S.48

4160000000

4169330000	ADP 11	S.49

4180000000

4183130000	PF RS 80 GR 2000MM	S.48

8000000000

8000072425	MHS 5/02 V T3 B T	B.17
8000072430	MHS 5/03 V T3 B T	B.17
8000072431	MHS 5/04 V T3 B T	B.17
8000072435	MHS 5/05 V T3 B T	B.17
8000072438	MHS 5/06 V T3 B T	B.17

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8000072450	MHS 5/07 V T3 B T	B.17
8000072453	MHS 5/08 V T3 B T	B.17
8000072454	MHS 5/09 V T3 B T	B.17
8000072456	MHS 5/10 V T3 B T	B.17
8000072461	MHS 5/11 V T3 B T	B.17
8000072470	MHS 5/12 V T3 B T	B.17
8000072497	MHS 5/02 W T3 B T	B.18
8000072503	MHS 5/03 W T3 B T	B.18
8000072506	MHS 5/04 W T3 B T	B.18
8000072508	MHS 5/05 W T3 B T	B.18
8000072509	MHS 5/06 W T3 B T	B.18
8000072510	MHS 5/07 W T3 B T	B.18
8000072511	MHS 5/08 W T3 B T	B.18
8000072512	MHS 5/09 W T3 B T	B.18
8000072513	MHS 5/10 W T3 B T	B.18
8000072514	MHS 5/11 W T3 B T	B.18
8000072515	MHS 5/12 W T3 B T	B.18
8000078306	MHS 7S/02 H T3 B T	B.21
8000078308	MHS 7S/03 H T3 B T	B.21
8000078309	MHS 7S/04 H T3 B T	B.21
8000078310	MHS 7S/05 H T3 B T	B.21
8000078311	MHS 7S/06 H T3 B T	B.21
8000078312	MHS 7S/07 H T3 B T	B.21
8000078313	MHS 7S/08 H T3 B T	B.21
8000078314	MHS 7S/02 V T3 B T	B.22
8000078315	MHS 7S/03 V T3 B T	B.22
8000078316	MHS 7S/04 V T3 B T	B.22
8000078317	MHS 7S/05 V T3 B T	B.22
8000078318	MHS 7S/06 V T3 B T	B.22
8000078319	MHS 7S/07 V T3 B T	B.22
8000078320	MHS 7S/08 V T3 B T	B.22
8000078321	MHS 7S/02 W T3 B T	B.23
8000078322	MHS 7S/03 W T3 B T	B.23
8000078323	MHS 7S/04 W T3 B T	B.23
8000078324	MHS 7S/05 W T3 B T	B.23
8000078325	MHS 7S/06 W T3 B T	B.23
8000078326	MHS 7S/07 W T3 B T	B.23
8000078327	MHS 7S/08 W T3 B T	B.23
8000078328	MPS 7S/02 S TN B B	B.24
8000078329	MPS 7S/03 S TN B B	B.24
8000078330	MPS 7S/04 S TN B B	B.24
8000078331	MPS 7S/05 S TN B B	B.24
8000078332	MPS 7S/06 S TN B B	B.24
8000078333	MPS 7S/07 S TN B B	B.24
8000078334	MPS 7S/08 S TN B B	B.24
8000078335	MHS 7S/02-5/02 H T3 B T	B.30
8000078336	MHS 7S/03-5/02 H T3 B T	B.30
8000078337	MHS 7S/04-5/02 H T3 B T	B.30
8000078338	MHS 7S/02-5/03 H T3 B T	B.30
8000078339	MHS 7S/03-5/03 H T3 B T	B.30
8000078340	MHS 7S/04-5/03 H T3 B T	B.30
8000078341	MHS 7S/02-5/04 H T3 B T	B.30
8000078342	MHS 7S/03-5/04 H T3 B T	B.30
8000078343	MHS 7S/04-5/04 H T3 B T	B.30
8000078344	MPS 7S/02-5/02 S TN B B	B.31
8000078345	MPS 7S/03-5/02 S TN B B	B.31
8000078346	MPS 7S/04-5/02 S TN B B	B.31
8000078347	MPS 7S/02-5/03 S TN B B	B.31
8000078348	MPS 7S/03-5/03 S TN B B	B.31
8000078349	MPS 7S/04-5/03 S TN B B	B.31
8000078350	MPS 7S/02-5/04 S TN B B	B.31
8000078351	MPS 7S/03-5/04 S TN B B	B.31
8000078352	MPS 7S/04-5/04 S TN B B	B.31
8000078353	MPS 7S/02 S F1 TN B B	B.25
8000078354	MPS 7S/03 S F2 TN B B	B.25
8000078355	MPS 7S/04 S F2 TN B B	B.25
8000078356	MPS 7S/05 S F3 TN B B	B.25
8000078357	MPS 7S/06 S F3 TN B B	B.25
8000078358	MPS 7S/07 S F4 TN B B	B.25
8000078359	MPS 7S/08 S F4 TN B B	B.25
8000094097	MPS APL 5/03 S F2 TN B B D D	F.6
8000168132	MPS 6/03 S TN B B	B.28
8000168133	MPS 6/05 S TN B B	B.28
8000168135	MPS 6/06 S TN B B	B.28
8000168136	MPS 6/07 S TN B B	B.28
8000168138	MPS 6/08 S TN B B	B.28
8000168328	MPS 6/03 S LF TN B B	B.29
8000168329	MPS 6/05 S LF TN B B	B.29
8000168330	MPS 6/06 S LF TN B B	B.29
8000168331	MPS 6/07 S LF TN B B	B.29

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8156200000	AP RF 80 RE 2025	S.48
8156210000	AP RF 80 LI 2025	S.48

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8389030000	AP MCZ1.5 1674	S.43

8810000000

8817790000	AP 100 D GR 7032	S.49

8850000000

8857560000	MCZ 5	S.43

9000000000

9004530000	DW RSV 1.6	L.14
9004530000	DW RSV 1.6	M.14
9004590000	H0,5/14S W	K.46
9004590000	H0,5/14S W	K.48
9004590000	H0,5/14S W	K.84
9004590000	H0,5/14S W	K.88
9004590000	H0,5/14S W	K.94
9004590000	H0,5/14S W	K.108
9004590000	H0,5/14S W	K.110
9004590000	H0,5/14S W	K.112
9004590000	H0,5/14S W	K.114
9005990000	PZ 1.5	I.12
9005990000	PZ 1.5	I.18
9005990000	PZ 1.5	I.54
9005990000	PZ 1.5	I.56
9005990000	PZ 1.5	I.58
9005990000	PZ 1.5	I.60
9005990000	PZ 1.5	J.54
9005990000	PZ 1.5	J.56
9006020000	SWIFTY CS	S.53
9006060000	SWIFTY CS SET	S.53

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9011460000	PZ 6/5	I.12
9011460000	PZ 6/5	I.18
9011460000	PZ 6/5	I.54
9011460000	PZ 6/5	I.56
9011460000	PZ 6/5	I.58
9011460000	PZ 6/5	I.60
9011460000	PZ 6/5	J.54
9011460000	PZ 6/5	J.56
9011460000	PZ 6/5	0.34
9011460000	PZ 6/5	0.36
9011460000	PZ 6/5	0.38
9011460000	PZ 6/5	0.40
9011460000	PZ 6/5	0.42
9011460000	PZ 6/5	0.44
9011460000	PZ 6/5	0.46
9011460000	PZ 6/5	0.50
9011460000	PZ 6/5	0.52
9011460000	PZ 6/5	0.112
9011460000	PZ 6/5	0.144
9011460000	PZ 6/5	0.146
9011460000	PZ 6/5	0.148
9011460000	PZ 6/5	0.150
9011460000	PZ 6/5	0.152
9011460000	PZ 6/5	0.154
9011460000	PZ 6/5	0.156
9011460000	PZ 6/5	0.158
9011460000	PZ 6/5	0.166
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9011460000	PZ 6/5	0.172
9011460000	PZ 6/5	0.174
9011460000	PZ 6/5	0.176
9011460000	PZ 6/5	Q.10
9013090000	HTF 28	M.13
9013400000	HTF 63	M.13
9013550000	HTF RSV 12	M.13
9013560000	HTF RSV 16	L.14
9013560000	HTF RSV 16	M.13
9014140000	HTF DFF	K.116
9014140000	HTF DFF	M.13
9018560000	H1,0/14S R	K.46
9018560000	H1,0/14S R	K.48
9018560000	H1,0/14S R	K.94
9018560000	H1,0/14S R	K.108
9018560000	H1,0/14S R	K.110
9018560000	H1,0/14S R	K.112
9018560000	H1,0/14S R	K.114

9020000000

9025240000	H1,5/14DS SW	K.46
9025240000	H1,5/14DS SW	K.48
9025240000	H1,5/14DS SW	K.84
9025240000	H1,5/14DS SW	K.88
9025240000	H1,5/14DS SW	K.94
9025240000	H1,5/14DS SW	K.108
9025240000	H1,5/14DS SW	K.110
9025240000	H1,5/14DS SW	K.112
9025240000	H1,5/14DS SW	K.114

9990000000

9994130000	LM 5.08/04/90 3.5SN OR BX	G.24
9994140000	LM 5.08/05/90 3.5SN OR BX	G.24
9994150000	LM 5.08/06/90 3.5SN OR BX	G.24
9994160000	LM 5.08/07/90 3.5SN OR BX	G.24
9994170000	LM 5.08/08/90 3.5SN OR BX	G.24
9994180000	LM 5.08/09/90 3.5SN OR BX	G.24
9994190000	LM 5.08/10/90 3.5SN OR BX	G.24
9994200000	LM 5.08/11/90 3.5SN OR BX	G.24
9994210000	LM 5.08/12/90 3.5SN OR BX	G.24
9994550000	LM 5.08/04/135 3.5SN OR BX	G.25
9994560000	LM 5.08/05/135 3.5SN OR BX	G.25
9994570000	LM 5.08/06/135 3.5SN OR BX	G.25
9994580000	LM 5.08/07/135 3.5SN OR BX	G.25
9994590000	LM 5.08/08/135 3.5SN OR BX	G.25
9994600000	LM 5.08/09/135 3.5SN OR BX	G.25
9994610000	LM 5.08/10/135 3.5SN OR BX	G.25
9994620000	LM 5.08/11/135 3.5SN OR BX	G.25
9994630000	LM 5.08/12/135 3.5SN OR BX	G.25
9994970000	LM 5.08/04/180 3.5SN OR BX	G.25
9994980000	LM 5.08/05/180 3.5SN OR BX	G.25
9994990000	LM 5.08/06/180 3.5SN OR BX	G.25
9995000000	LM 5.08/07/180 3.5SN OR BX	G.25
9995010000	LM 5.08/08/180 3.5SN OR BX	G.25
9995020000	LM 5.08/09/180 3.5SN OR BX	G.25
9995030000	LM 5.08/10/180 3.5SN OR BX	G.25
9995040000	LM 5.08/11/180 3.5SN OR BX	G.25
9995050000	LM 5.08/12/180 3.5SN OR BX	G.25

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