

PLC System Cabling

Interfaces and Pre-assembled cables for Honeywell C300



Universal solutions for PLC input/output cards

Aimed at reducing costs, and to save space and time in the construction of electrical cabinets, the universal cabling system for PLCs is provided as an effective alternative to end-to-end cabling design. Weidmüller offers a wide range of pre-assembled cables and interfaces:

- The interfaces are used as an interconnection element between the control and the process, and are supplied with tension clamp or screw connection. Those interfaces, with a compact design, provide different functions such as LEDs, fuses, disconnectors or relays.
- The pre-assembled cables are supplied with the manufacturer's own connector at one end and are available in different lengths.

Product Finder and automatic selection guides:

To help you choose the right products for your application, Weidmüller offers this **Product finder** with a selection table which can be found on the following pages.

In addition, on our website, we have an automatic selection guide, using intuitive software that can help you to choose the appropriate interface cable for your Input/Output cards. This can be found at www.weidmueller.com

The screenshot shows the Weidmüller website's 'Product assistant' interface. At the top, there are navigation links for 'Product catalogue', 'Website', and 'English'. The main header features the Weidmüller logo and a shopping cart icon with '0' items. Below the header, the breadcrumb trail reads: 'Product Catalogue >> Product assistant >> Interface units and preconfigured cables for PLC and Weidmüller u-remote'. There are links for 'Restart' and 'Parts list'. The main heading is 'Selection wizard for pre-assembled cables for PLC interface units and Weidmüller u-remote'. A sub-heading explains: 'The selection wizard allows you to quickly find interface units and the matching pre-assembled cables for your existing PLC systems or Weidmüller u-remote.' The first step is '1. Selection of PLC or Weidmüller u-remote', which is currently expanded. It contains two sections: 'Search for PLC' with a text input field for 'PLC or Weidmüller u-remote name' and a 'Search' button; and 'Selection of PLC according to manufacturer or Weidmüller u-remote specifications' with a dropdown menu for 'Manufacturer', a text input for 'Channels per card or Weidmüller u-remote', and a text input for 'Card or module name'. Below this, steps '2. Interface unit selection' and '3. Cable selection' are listed with plus signs. A QR code is located in the bottom right corner of the screenshot area.

Access to Weidmüller Product Finder:
http://galaxy.weidmueller.com/wi_plc

Interfaces and Pre-assembled cables for Honeywell C300

The following selection guides enable you to quickly and easily choose the correct products according to your application needs:

STEP 1: Choose the IOTA to be used.

STEP 2: In this column you can find the number and type of cable required to make the connection.

STEP 3: Choose the most suitable interface for the application.

Example: For CC-TDIL01 it's possible to select different options.

Solution 1: Pre-assembled cable C300-32B-320B (2 units)

Interface: 1221550000 (1 unit)

Solution 2: Pre-assembled cable C300-32B-320B (2 units)

Interface: 1222980000 (2 units)

Selection Guide for pre-assembled cables and FTA for Honeywell C300 IOTA's

STEP 1		STEP 2		STEP 3										
Honeywell IOTA		Pre-assembled cables		FTA (Weidmüller Interfaces)										
Kind of Card	Card	Cable Type	Units / IOTA	Channels	Connection	1 LED per channel	Disconnect + Test points	Fuse per channel	External power supply connector	Isolation	Units / IOTA	Order No.	Type	Page
32 DI	CC-TDIL01 CC-TDIL11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
									Yes		1	1222940000	FTA-C300-32DILD-S	B.6
									Yes	Relay Gold	1	1312040000	FTA-C300-32DI-24VDC-S	B.11
									Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
									Yes		1	1222950000	FTA-C300-32DILD-Z	B.6
									No		2	1222980000	FTA-C300-16AO-SH-S	B.9
32 DI High voltage	CC-TDI110 CC-TDI120 CC-TDI220 CC-TDI230	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
									Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
									No		2	1222980000	FTA-C300-16AO-SH-S	B.9
									No		2	1222990000	FTA-C300-16AO-SH-Z	B.9
									No		2	1223010000	FTA-C300-16AO-SH-P	B.9
									No		2	1223010000	FTA-C300-16AO-SH-P	B.9
32 DO	CC-TDOB01 CC-TDOB11 CC-TDOD51 CC-TDOD61	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	2	32					Yes		1	1221550000	FTA-C300-32DIOHV-S	B.6
									Yes		1	1221590000	FTA-C300-32DO-LD-S	B.7
									Yes		1	1246910000	FTA-C300-32DO-FUSE-S	B.7
									Yes	Relay 6A	1	1221570000	FTA-C300-32DO-SLIM-S	B.12
									Yes		1	1221560000	FTA-C300-32DIOHV-Z	B.6
									Yes		1	1221600000	FTA-C300-32DO-LD-Z	B.7
									Yes		1	1246920000	FTA-C300-32DO-FUSE-Z	B.7
				16					Yes	Relay 6A	1	1221580000	FTA-C300-32DO-SLIM-Z	B.12
									No		2	1222980000	FTA-C300-16IO-SH-S	B.9
									No		2	1223020000	FTA-C300-16AO-TEST-S	B.9
									No		2	1222990000	FTA-C300-16AO-SH-Z	B.9
									No		2	1223030000	FTA-C300-16AO-TEST-Z	B.9
									No		2	2000020000	FTA-C300-16AO-TP-Z	B.10
									No		2	1223010000	FTA-C300-16AO-SH-P	B.9
16 AO	CC-TAOX01 CC-TAOX11 CC-TAON01 CC-TAON11 CC-TAOX51 CC-TAOX61	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	1	16					No		1	1222980000	FTA-C300-16AO-SH-S	B.9
									No		1	1223020000	FTA-C300-16AO-TEST-S	B.9
									No		1	1222990000	FTA-C300-16AO-SH-Z	B.9
									No		1	1223030000	FTA-C300-16AO-TEST-Z	B.9
									No		1	2000020000	FTA-C300-16AO-TP-Z	B.10
									No		1	1223010000	FTA-C300-16AO-SH-P	B.9
16 AI	CC-TAIX01 CC-TAIX11 CC-TAIX51 CC-TAIX61	C300-36B-324B (Premium) or PAC-C300-3636 (Basic)	1	16					No		1	1247120000	FTA-C300-16AI-SH-S	B.8
									No		1	1247140000	FTA-C300-16AI-TEST-S	B.8
									No		1	1247130000	FTA-C300-16AI-SH-Z	B.8
									No		1	1247150000	FTA-C300-16AI-TEST-Z	B.8
Universal IO	CC-TUIO01 CC-TUIO11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	2	16					No		1	1415220000	FTA-C300-16DAI-SH-S	B.10
									No		1	1415230000	FTA-C300-16DAI-SH-Z	B.10
Universal IO	CC-TUIO01 CC-TUIO11	C300-32B-320B (Premium) or PAC-C300-3232 (Basic)	2	16					No		2	1222980000	FTA-C300-16AO-SH-S	B.9
									No		2	1222990000	FTA-C300-16AO-SH-Z	B.9
									No		2	2000020000	FTA-C300-16AO-TP-Z	B.10
									No		2	1223010000	FTA-C300-16AO-SH-P	B.9

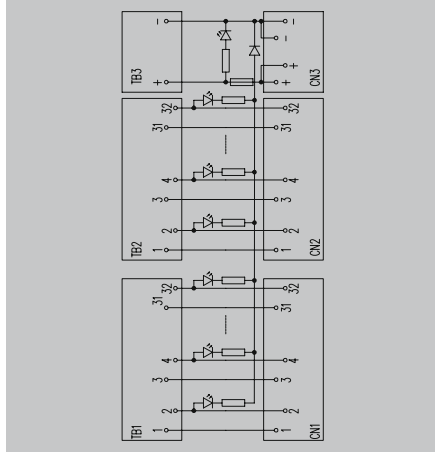
Note:

- = Screw connection
- = Tension clamp connection
- = Pluggable connection

Passive interface for digital cards (2x32 poles)

FTA-C300-32DI-LD

For: CC-TDIL01, CC-TDIL11, CC-TDIL51, CC-TDIL61

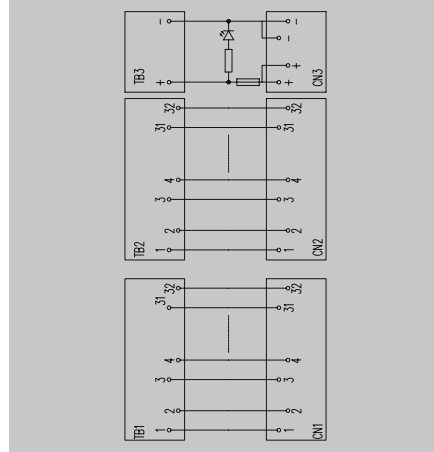
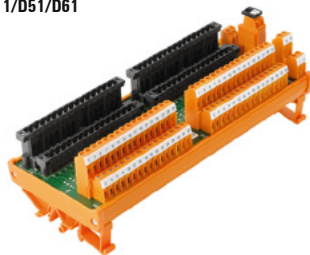


Passing through interface with LED

	Type	Order No.
Screw	FTA-C300-32DHL-D-S	1222940000
Tension-clamp	FTA-C300-32DHL-D-Z	1222950000

FTA-C300-32DIOHV

For: CC-TDIL01/11/51/61, CC-TDI110/120/220/230, CC-TDOB01/B11/D51/D61

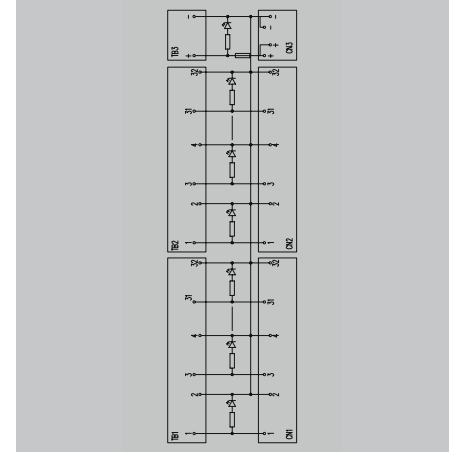


Passing through interface

	Type	Order No.
Screw	FTA-C300-32DIOHV-S	1221550000
Tension-clamp	FTA-C300-32DIOHV-Z	1221560000

FTA-C300-32DO-LD

For: CC-TDOB01/B11/D51/D61



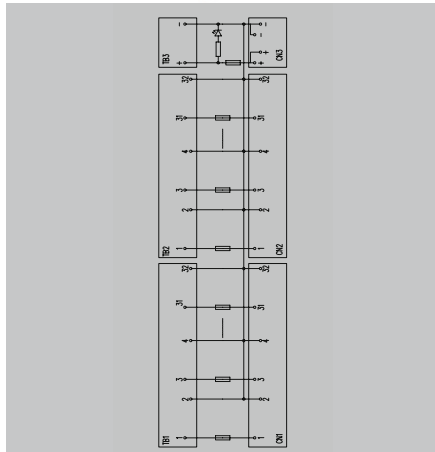
Passing through interface with LED

	Type	Order No.
Screw	FTA-C300-32DO-LD-S	1221590000
Tension-clamp	FTA-C300-32DO-LD-Z	1221600000

Passive interface for digital cards (2x32 poles)

FTA-C300-32DO-FUSE

For: CC-TDOB01/B11/D51/D61



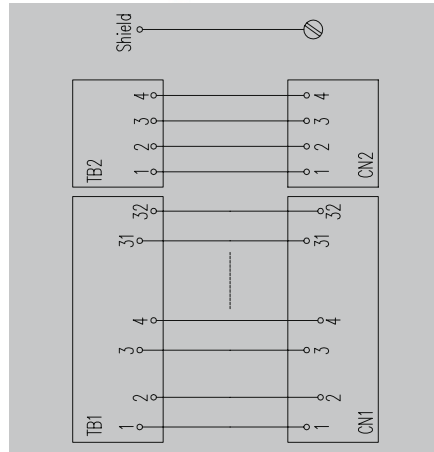
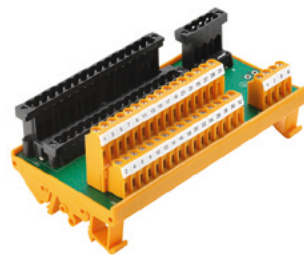
Passing through interface with fuse

	Type	Order No.
Screw	FTA-C300-32DO-FUSE-S	1246910000
Tension-clamp	FTA-C300-32DO-FUSE-Z	1246920000

Passive interface for analogue input cards (32+4 poles)

FTA-C300-16AI-SH

For: CC-TAIX01, CC-TAIX11, CC-TAIX51, CC-TAIX61

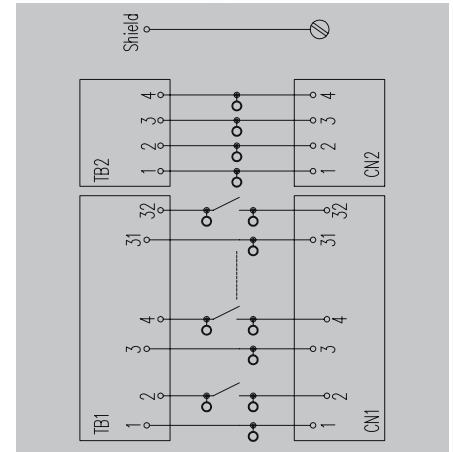


Passing through interface

	Type	Order No.
Screw	FTA-C300-16AI-SH-S	1247120000
Tension-clamp	FTA-C300-16AI-SH-Z	1247130000

FTA-C300-16AI-TEST

For: CC-TAIX01, CC-TAIX11, CC-TAIX51, CC-TAIX61



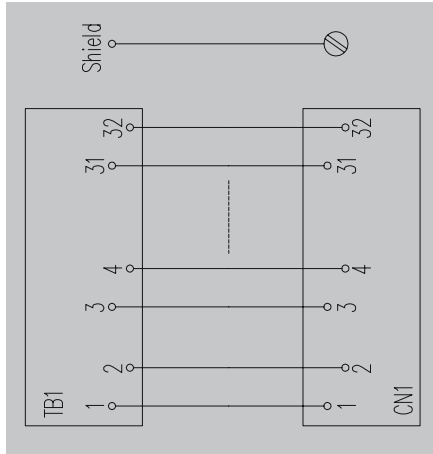
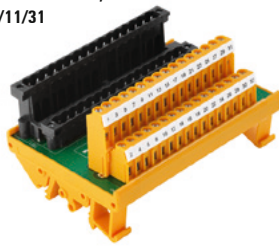
Passing through interface with test-point and disconnector

	Type	Order No.
Screw	FTA-C300-16AI-TEST-S	1247140000
Tension-clamp	FTA-C300-16AI-TEST-Z	1247150000

Passive interface for digital/analogue cards (32 poles)

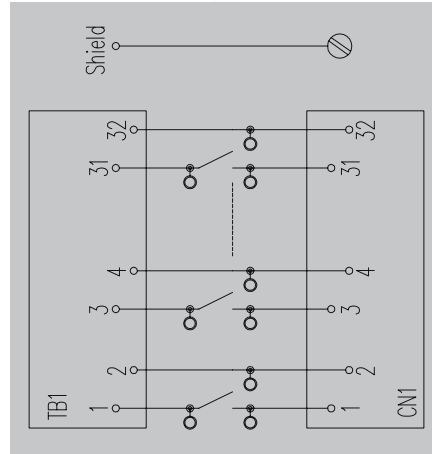
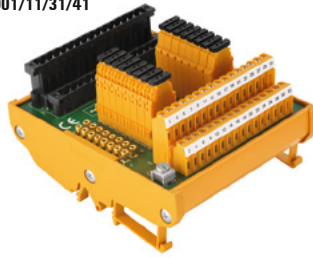
FTA-C300-16AO-SH

For: CC-TDIL01/11/51/61, CC-TD1110/120/220/230
 CC-TDOB01/B11/D51/D61, CC-TAOX01/X11/N01/N11/X51/X61,
 CC-TUI001/11/31



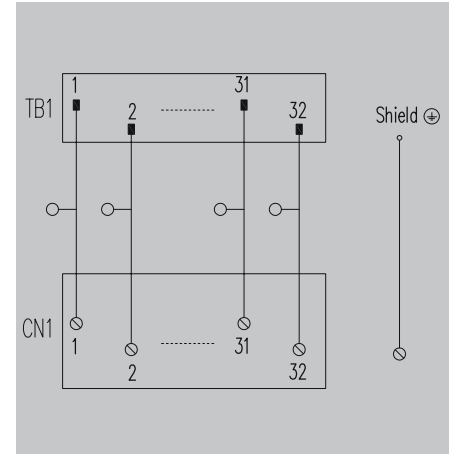
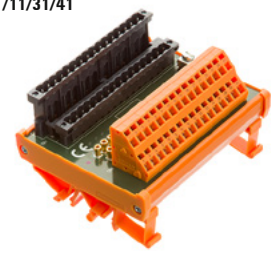
FTA-C300-16AO-TEST

For: CC-TDOB01/B11/D51/D61, CC-TAOX01/X11/N01/N11/X51/X61,
 CC-TUI001/11/31/41



FTA-C300-16AO-TP

For: CC-TDOB01/B11/D51/D61, CC-TAOX01/X11/N01/N11/X51/X61,
 CC-TUI001/11/31/41



Passing through interface

	Type	Order No.
Screw	FTA-C300-16AO-SH-S	1222980000
Tension-clamp	FTA-C300-16AO-SH-Z	1222990000
Plug-in connection	FTA-C300-16AO-SHP	1223010000

Passing through interface with test-point and disconnector

	Type	Order No.
Screw	FTA-C300-16AO-TEST-S	1223020000
Tension-clamp	FTA-C300-16AO-TEST-Z	1223030000

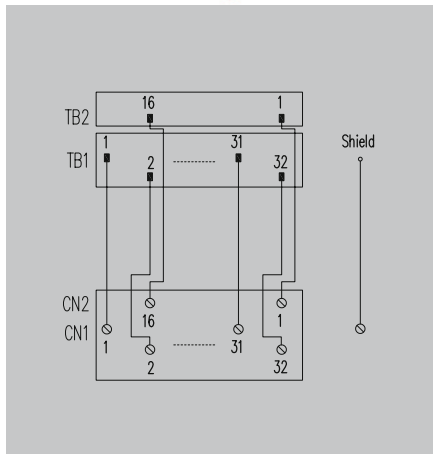
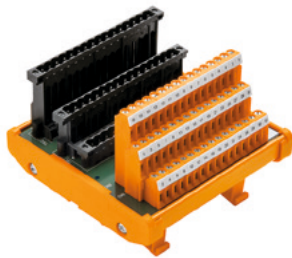
Passing through interface with test-point

	Type	Order No.
Screw	-	-
Tension-clamp	FTA-C300-16AO-TP-Z	2000020000

Passive interface for analogue input cards (32 + 16 poles)

FTA-C300-16DAI-SH

For: CC-TAID01, CC-TAID11



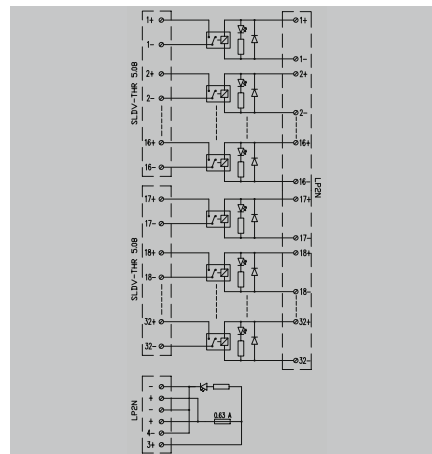
Passing through interface

	Type	Order No.
Screw	FTA-C300-16DAI-SH-S	1415220000
Tension-clamp	FTA-C300-16DAI-SH-Z	1415230000

32 channels isolated interface for digital input cards

FTA-C300-32DI-24 V DC

For: CC-TDIL01, CC-TDIL11, CC-TDIL51, CC-TDIL61



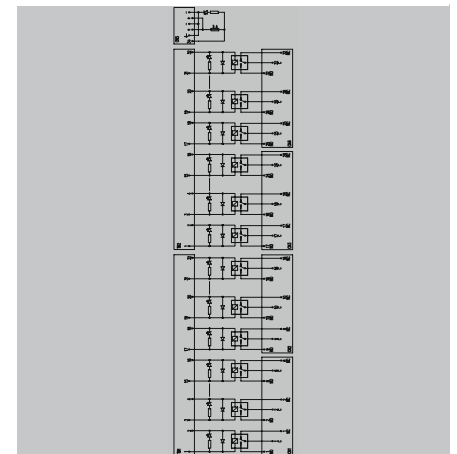
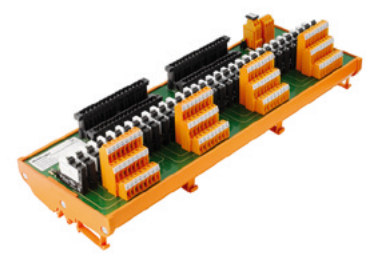
6mm relays - Input voltage 24Vdc

	Type	Order No.
Screw	FTA-C300-32DI-24VDC-S	1312040000
Tension-clamp	-	-

32 channels isolated interface for digital output cards

FTA-C300-32DO-RSLIM

For: CC-TDOB01, CC-TDOB11, CC-TDOD51, CC-TDOD61



6mm relays - 4A output current

	Type	Order No.
Screw	FTA-C300-32DO-RSLIM-S	1221570000
Tension-clamp	FTA-C300-32DO-RSLIM-Z	1221580000

C300-32B-320B - Premium range

32 poles connector to 32 poles connector
(with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-32B-320B-2S-M25-1M	7789828010
0.34 mm ²	C300-32B-320B-2S-M34-1M	7789888010
0.50 mm ²	C300-32B-320B-2S-M50-1M	7789838010

PAC-C300-3232 - Basic range

32 poles connector to 32 poles connector
(without housing)



Cross section	Type	Order No.
0.25 mm ²	PAC-C300-3232-25-1M	7789888010
0.34 mm ²	PAC-C300-3232-34-1M	1498820010
0.50 mm ²	PAC-C300-3232-50-1M	7789882010

C300-36B-324B - Premium range

32+4 poles connector to 32+4 poles connector
(with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-36B-324B-2S-M25-1M	7789829010
0.34 mm ²	C300-36B-324B-2S-M34-1M	7789891010
0.50 mm ²	C300-36B-324B-2S-M50-1M	7789892010

PAC-C300-3636 - Basic range

32+4 poles connector to 32+4 poles connector
(without housing)



Cross section	Type	Order No.
0.25 mm ²	PAC-C300-3636-25-1M	7789884010
0.34 mm ²	PAC-C300-3636-34-1M	7789885010
0.50 mm ²	PAC-C300-3636-50-1M	7789837010

C300-32B-F

32 poles connector to ferrules (with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-32B-F-2S-M25-1M	1349350010
0.34 mm ²	C300-32B-F-2S-M34-1M	7789617010
0.50 mm ²	C300-32B-F-2S-M50-1M	7789895010

PAC-C300-32-F

32 poles connector to ferrules (without housing)



Cross section	Type	Order No.
0.25 mm ²	PACC300-32-F-25-1M	1349330010
0.34 mm ²	PACC300-32-F-34-1M	1373900010
0.50 mm ²	PACC300-32-F-50-1M	1373940010

C300-36B-F

32+4 poles connector to ferrules (with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-36B-F-2S-M25-1M	1349370010
0.34 mm ²	C300-36B-F-2S-M34-1M	1373780010
0.50 mm ²	C300-36B-F-2S-M50-1M	1373820010

PAC-C300-36-F

32+4 poles connector to ferrules (without housing)



Cross section	Type	Order No.
0.25 mm ²	PAC-C300-36-F-25-1M	1349340010
0.34 mm ²	PAC-C300-36-F-34-1M	1373910010
0.50 mm ²	PAC-C300-36-F-50-1M	1373950010

C300-16B-160B

16 poles connector to 16 poles connector
(with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-16B-160B-2S-M25-1M	1481690010
0.34 mm ²	C300-16B-160B-2S-M34-1M	1481710010
0.50 mm ²	C300-16B-160B-2S-M50-1M	1481720010

PAC-C300-1616

16 poles connector to 16 poles connector
(without housing)



Cross section	Type	Order No.
0.25 mm ²	PAC-C300-1616-25-1M	1481610010
0.34 mm ²	PAC-C300-1616-34-1M	1481620010
0.50 mm ²	PAC-C300-1616-50-1M	1481630010

C300-16B-F

16 poles connector to ferrules (with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-16B-F-2S-M25-1M	1481740010
0.34 mm ²	C300-16B-F-2S-M34-1M	1481750010
0.50 mm ²	C300-16B-F-2S-M50-1M	1481760010

PAC-C300-16-F

16 poles connector to ferrules (without housing)



Cross section	Type	Order No.
0.25 mm ²	PACC300-16-F-25-1M	1481650010
0.34 mm ²	PACC300-16-F-34-1M	1481660010
0.50 mm ²	PACC300-16-F-50-1M	1481670010

C300-32B-216B

32 poles connector to 2x16 poles connector
(with housing)



Cross section	Type	Order No.
0.25 mm ²	C300-32B-216B-2S-M25-1M	1373770010
0.34 mm ²	C300-32B-216B-2S-M34-1M	7789886010
0.50 mm ²	C300-32B-216B-2S-M50-1M	1373790010

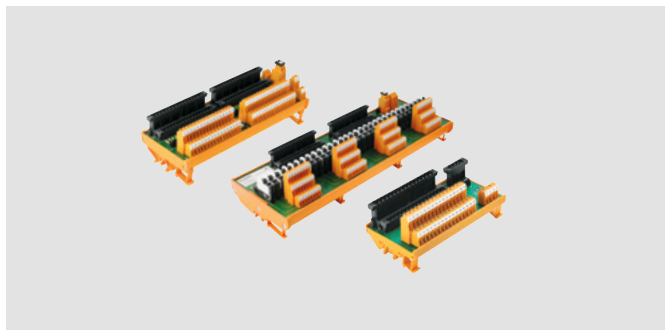
PAC-C300-32-1616

32 poles connector to 2x16 poles connector
(without housing)



Cross section	Type	Order No.
0.25 mm ²	PAC-C300-32-1616-25-1M	1373880010
0.34 mm ²	PAC-C300-32-1616-34-1M	7789893010
0.50 mm ²	PAC-C300-32-1616-50-1M	1373920010

Main advantages



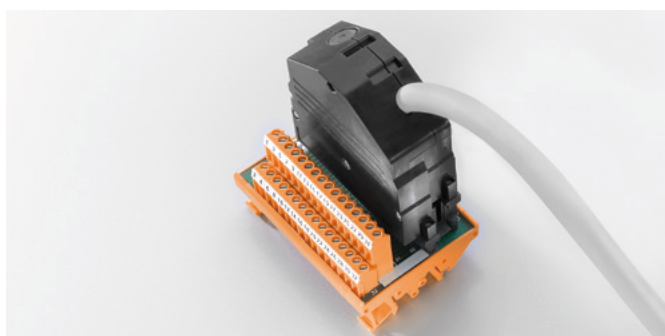
Wide range of Weidmüller interfaces (FTA)

Weidmüller interfaces offer a large variety of functions such as LED indicators, insulators, relays or fuses for all the C300 I/O cards.



Excellent flexibility

The pre-assembled cables can be manufactured with different cross sections and in different lengths of up to 50 m.



Clear identification

The IOTA and FTA are delivered with the same Weidmüller connectors and the same orientation.



High current switching capability

The isolated digital output FTAs provide a high current switching capacity in a compact design.

Weidmüller – Your partner in Smart Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Smart Industrial Connectivity.

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of making orders. We try our best to quickly correct errors in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.

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