

Terminal blocks

## Terminal blocks for low and medium voltage systems

Assemblies according to region and technical connection conditions (TAB)




**Weidmüller** 

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## Pre-assembled terminal strips

### According to TAB specifications

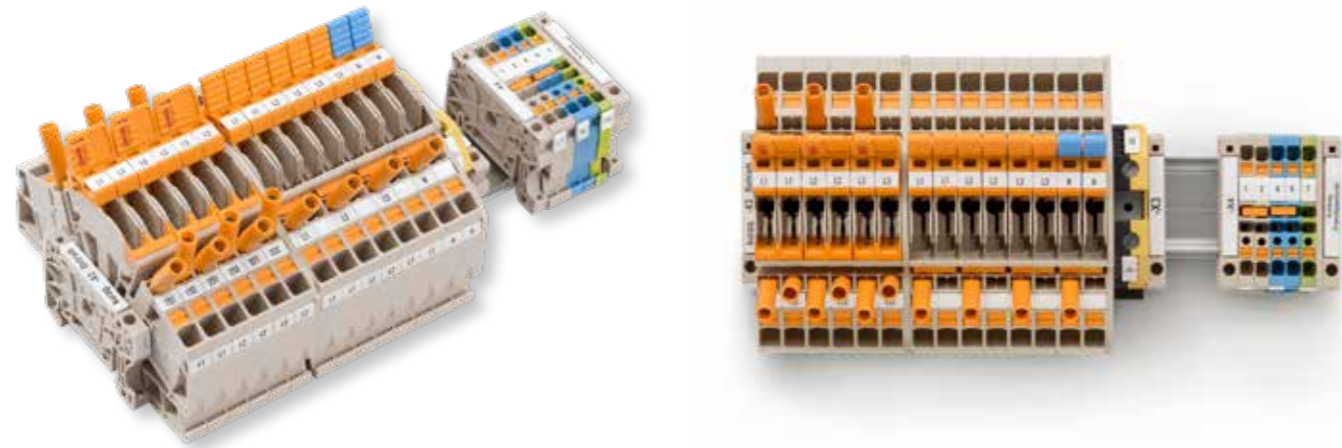
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### Universal terminal strips

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# TTB-Range

## TAB2019MITTELDEUTSCHLANDNS



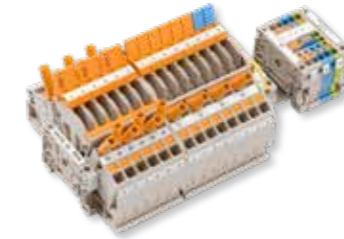
### Pre-assembled terminal strip with test terminal blocks according to TAB 2019 Mitnetz specifications

The "TAB2019MITTELDEUTSCHLANDNS" terminal strip is structured in accordance with the standard wording for technical connection conditions under the title "TAB 2019 Mitnetz". It is responsible for the connection and operation of plants on the low-voltage grid in the area of Mitteldeutsche Netzgesellschaft Strom mbH (Mitnetz Strom). The terminal blocks are designed with PUSH IN connection technology. The comparable design with screw connection technology is available under the name "MSTTAB2019ORANGE" and the article number "8000080735". Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
14 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
13 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm	TS TTB 6 OR	2710470000
3 x	Lever link for mechanical connection of two levers	LL TTB 6/2 CM	2710370000
3 x	2-fold short-circuit bridge for the electrical connection of "S1" and "S2" (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
6 x	Lever link for mechanical connection of one lever (color: orange)	LL TTB 6/1	2710230000
1 x	Lever link for mechanical connection of one lever (color: blue)	LL TTB 6/1 BL	2710240000
4 x	2-pole cross-connection for the electrical connection of "L1" or "N"	ZQV 6N/2	1985740000
2 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
56 x	Pre-labeled markers for the measuring transducer terminals blocks	DEK 5/8-11.5 MC NE WS	1341630000
4 x	Screwless end bracket with integrated marking surfaces	AEB 35 SCL/1 V0	2661280000
1 x	Feed-through terminal block 16 mm² with screw connection for the functional earth	WDU 16N GE/SW	2000050000
2 x	Feed-through terminal block 2.5 mm² with screw connection for "L1"	A2C 2.5	1521850000
2 x	Feed-through terminal block 2.5 mm² with screw connection for "N"	A2C 2.5 BL	1521880000
1 x	Feed-through terminal block 4 mm² with screw connection for functional earth	A2C 2.5 PE	1521680000
2 x	2-pole cross-connection for the electrical connection of "L1" and "N"	ZQV 2.5N/2	1527540000
8 x	Pre-labeled markers for „L1“ and „N“	WS 12/5 MM WS	2007190000
2 x	Pre-labeled markers for functional earth	WS 12/6 MM WS	2007200000
4 x	Pre-labeled markers for end brackets	WAD 5 MC NE WS	1112910000

TAB2019MITTELDEUTSCHLANDNS 6 mm²



Width/Height/Depth	mm	203 x 100 x 79
Rated current / max. cond. cross-section	A/mm²	30 / 10
Max. clamping range	mm²	0.5...10

#### Technical Data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Short-term current strength	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Twin wire-end ferrule	
Stripping length / Blade size	mm/-

#### Note

#### Ordering Data

<b>Version</b>	PUSH IN Schraubanschluss
<b>Note</b>	

<b>IEC 60947-1</b>			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

#### Rated connection

<b>Rated connection</b>	
0.5...10 / 0.5...6	
0.5...10 / 0.5...6	
12 / 0.8 x 4.0 mm	

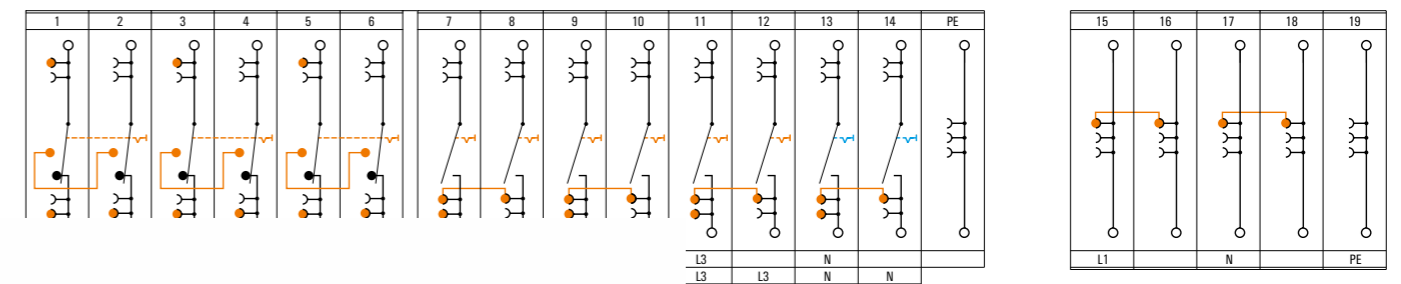
#### Note

<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TAB2019MITTELDEUTSCHLANDNS	1	8000148204
MSTTAB2019ORANGE	1	8000080735

### Application area of the terminal strip:

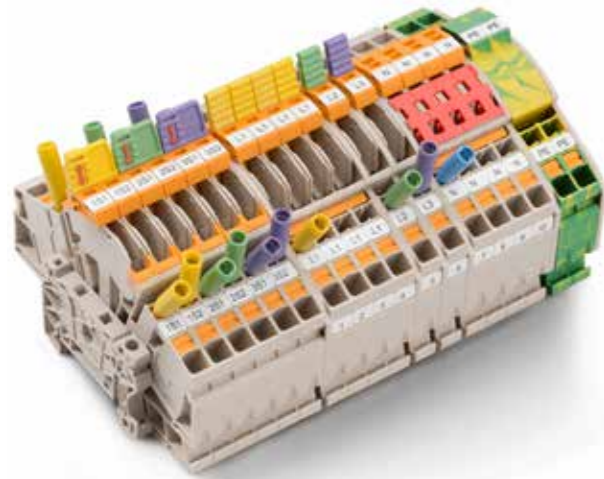
- Mitteldeutsche Netzgesellschaft Strom mbH (Mitnetz Strom) in the regions Brandenburg, Sachsen-Anhalt, Süd-Sachsen und West-Sachsen

### Circuit diagram



# TTB-Range

## TABEAMNETZNS



### Pre-assembled terminal strip with test terminal blocks according to EAM Netz GmbH specifications

The "TABEAMNETZNS" terminal strip is designed in accordance with the model wording for technical connection conditions under the title "TAB NS". It is intended for the connection and operation of systems on the low-voltage grid in the area of EAM NETZ GmbH in Hesse as well as in southern Lower Saxony and parts of North Rhine-Westphalia, Thuringia and Rhineland-Palatinate. The terminal blocks are designed with PUSH IN connection technology. Please always refer to the supplementary sheets of the respective network operator.

#### Item list

Qty.	Designation	Type	Order No.
16 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
2 x	Contour-matching PE terminal block	ATTB 6 PE	2710080000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: purple)	LL TTB 6/2 CM VT	2710430000
4 x	Lever link for the mechanical connection to a lever (color: yellow)	LL TTB 6/1 YL	2710260000
1 x	Lever link for the mechanical connection to a lever (color: green)	LL TTB 6/1 GN	2710250000
1 x	Lever link for the mechanical connection to a lever (color: purple)	LL TTB 6/1 VT	2710290000
4 x	Switching lock for mechanical locking of the disconnection range	SL TTB 6	2710220000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
2 x	4-pole cross-connection for the electrical connection of "L1" und "N"	ZQV 6N/4	1985780000
5 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
56 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8 PLUS MC WS LRP	2770670000
2 x	Screwless end brackets	AEB 35 SCL/1 V0	2661280000

TABEAMNETZNS

6 mm<sup>2</sup>



Width/Height/Depth	mm	170.4 x 100 x 79.1
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

Rated connection

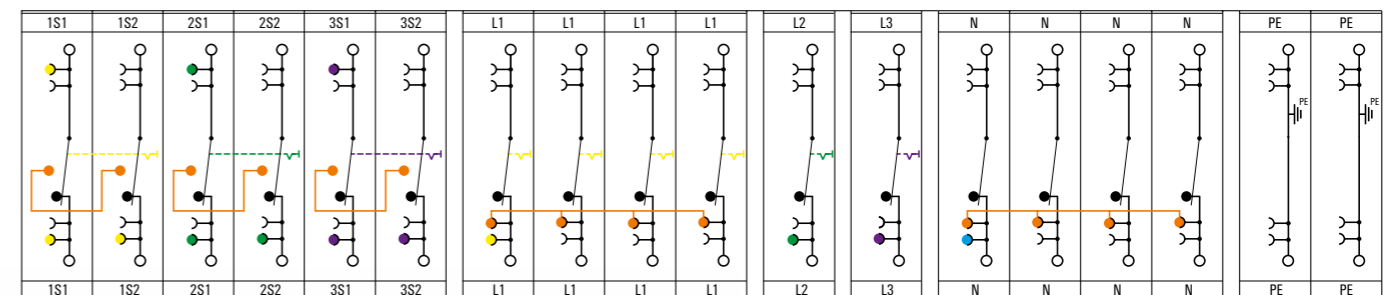
Type	Qty.	Order no.
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TABEAMNETZNS	1	8000145569
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#### Application area of the terminal strip:

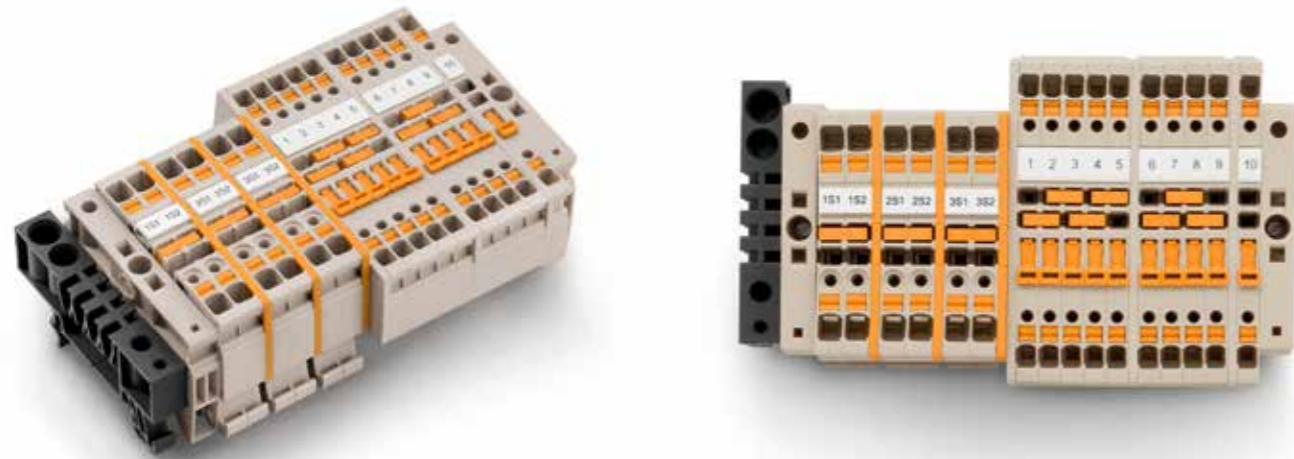
- EAM-Netz

### Circuit diagram



# TTB-Range

## TABNETZEBWNS



TABNETZEBWNS

6 mm<sup>2</sup>



### Pre-assembled terminal strip with test terminal blocks according to TAB Netze BW specifications (Niederspannung / NS)

The "TABNETZEBWNS" is designed in accordance with the model wording for technical connection conditions under the title "TAB NS NORD 2019". It is for the connection and operation of systems on the low-voltage grid in the area of the BDEW Northern Germany regional group together with the BDEW Berlin/Brandenburg regional group. The terminal blocks are designed with PUSH IN connection technology. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
6 x	Feed-through terminal block 4 mm <sup>2</sup> with PUSH IN connection technology	A2C 4	2051180000
3 x	End plate / separation wall between the potentials	AEP 2C 4 DR	2051710000
3 x	2-pole cross-connection for the electrical connection of "S1 and S2"	ZQV 4N/2	1527930000
10 x	Disconnect terminal block	ADT 2.5 2C	1989800000
3 x	End plate / separation wall between the potentials	AEP 4C 2.5	1521530000
1 x	5-pole cross-connection	ZQV 2.5N/5	1527620000
1 x	4-pole cross-connection	ZQV 2.5N/4	1527590000
6 x	Pre-labeled markers with "S1" or "S2" depending on potentials	DEK 5/6 MM WS	2007120000
10 x	Pre-labeled markers numbered from 1-10	WS 8/5 MM WS	2007150000
2 x	Screwable end bracket	AEB 35 SC/1	1991920000
1 x	Accessories holder	ZST	1678680000

Width/Height/Depth	mm	126.2 x 77 x 40.9
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
		6 kV / 3	
		A4 / V-0	

<b>Rated connecton</b>	
0.5...10 / 0.5...6	
0.5...10 / 0.5...6	
12 / 0.8 x 4.0 mm	

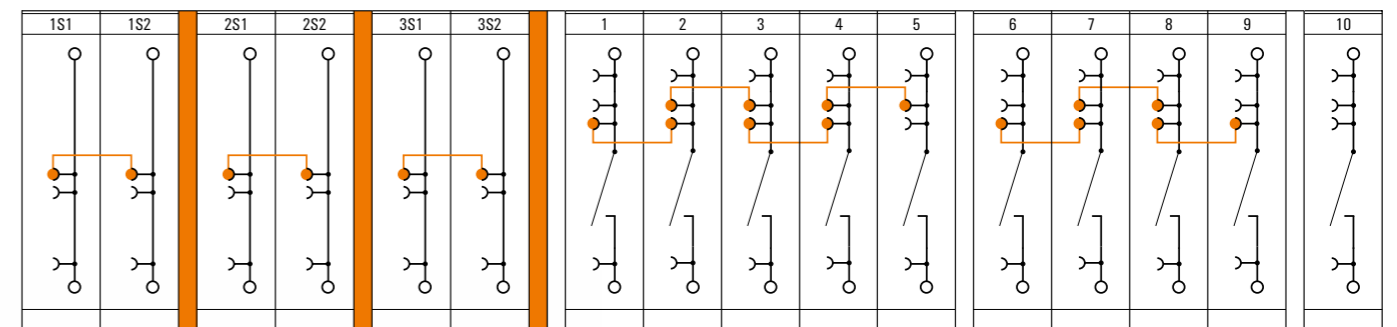
<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TABNETZEBWNS	1	8000145570

<b>Note</b>	
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### Application area of the terminal strip:

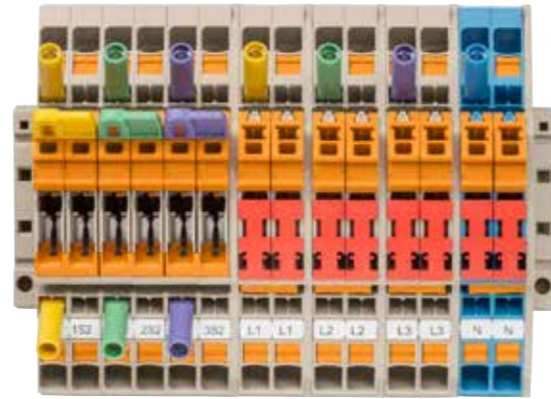
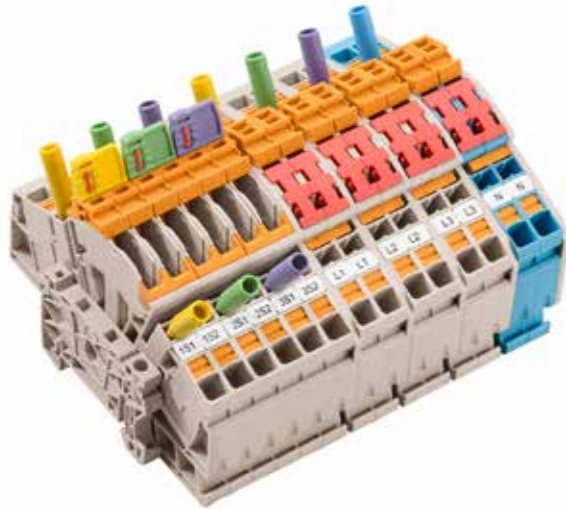
- Netze BW GmbH (Baden-Württemberg)

### Circuit diagram



# TTB Range

## TABNSNORD14



TABNSNORD14

6 mm<sup>2</sup>



Width / Height / Depth	mm
max. current / max. conductor	A/mm <sup>2</sup>
max. clamping range	mm <sup>2</sup>

135.9 x 100 x 79.1
<b>30 / 10</b>
<b>0.5...10</b>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Kurzzeitstromfestigkeit	
Rated impulse withstand voltage / Pollution severity	
Lehrdorn IEC 60-947-1 / Brennbarkeitsklasse nach UL 94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductor)	
Stripping length / Blade size	mm/-

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500			
30			
6			
	6 kV / 3		
	A4 / V-0		
Rated connection			
0.5...10 / 0.5...6			
0.5...10 / 0.5...6			
12 / 0.8 x 4.0 mm			

### Note

### Ordering data

Version	beige
Note	

Type	Qty.	Order no.
TABNSNORD14	1	8000145571
Note		

### Application area of the terminal strip:

- Celle-Uelzen electricity grid
- E.DIS electricity grid
- EVE electricity grid
- EWE electricity grid
- LSW electricity grid
- Schleswig-Holstein electricity grid
- Hamburg electricity grid
- Berlin electricity grid
- WEMAG electricity grid
- Bremen Weser electricity grid

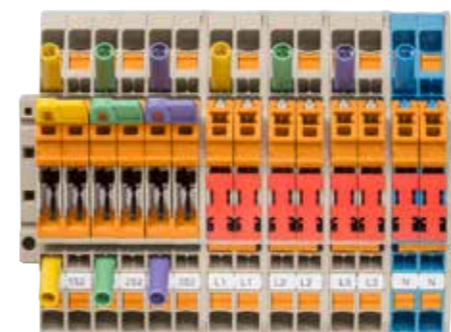
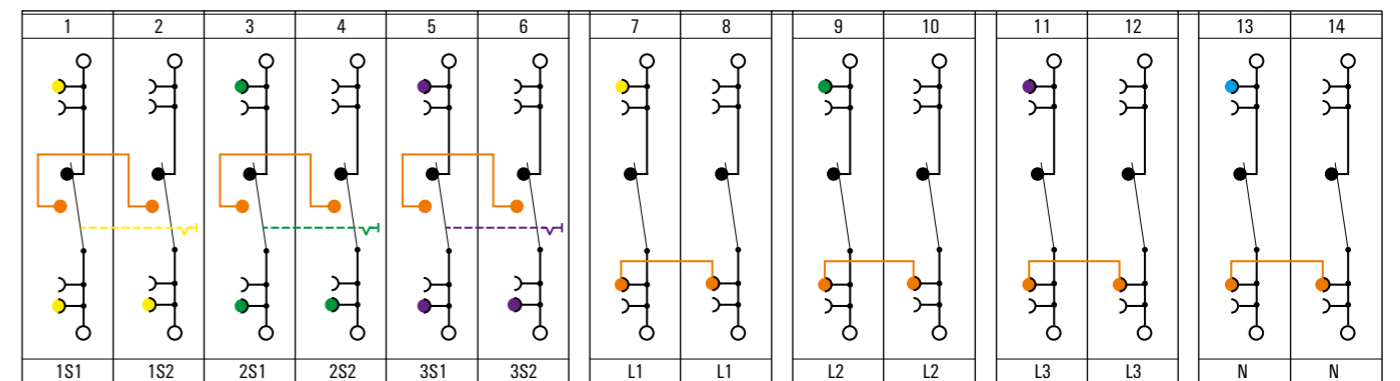
### Pre-assembled terminal strip according to the specifications of TAB NS Nord 2019

The „TABNSNORD14“ terminal strip is structured in accordance with the standard wording for technical connection conditions under the title „TAB NS NORD 2019“ (TAB 2019). It is responsible for the connection and operation of plants on the low-voltage grid in the BDEW regional group Northern Germany together with the BDEW regional group Berlin/Brandenburg. The terminal blocks are designed with the PUSH IN connection technology. Please always refer to the supplementary sheets of the respective grid operator.

### Item list

Qty.	Designation	Type	Order No.
12 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
2 x	Measuring transducer terminal block with PUSH IN connection technology (color: blue)	ATTB 6 BL	2740010000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: violet)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: violet)	LL TTB 6/2 CM VT	2710430000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
8 x	Switching lock for mechanical locking of the separation area	SL TTB 6	2710220000
4 x	2-pole cross-connection for the electrical connection of „L1“, „L2“, „L3“ and „N“	ZQV 6N/2	1985740000
5 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
28 x	Pre-labeled markers with „S1“ or „S2“ depending on potential	DEK 5/8-11.5 MC NE WS	1341630000
2 x	screwless end bracket with integrated marking surfaces	AEB 35 SCL/1 V0	2661280000

### Circuit diagram



# TTB-Range

## TABSNAWECHSELTAFEL



### Pre-assembled terminal strip with test terminal blocks according to TAB Syna GmbH specifications

The „TABSNAWECHSELTAFEL“ terminal strip is designed in accordance with the requirements of Syna GmbH for the changeover panel application. This assembly is purely for the low voltage range in the Syna electricity network for the changeover panel. For standard DIN meter cabinets, we offer another TAB from Syna GmbH. The terminal blocks are designed with PUSH IN connection technology. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
4 x	Pluggable terminal block for „L1“, „L2“, „L3“ and „N“	APGTB 4 FT 2C/1	2540050000
2 x	Pluggable conductor terminal block for „PE“	APGTB 4 PE 2C/1	2540110000
1 x	Plug for pluggable terminal block for „L1“, „L2“, „L3“ und „N“	APG 4/4	2540490000
2 x	Plug for pluggable conductor terminal block for „PE“	APG 4 L GN	2540570000
4 x	Locking element for the plugs of the pluggable terminal blocks	APGLE 2.5/4	2457570000
3 x	Fuse terminal blocks	WSI 25/1 10X38	1966020000
7 x	Measuring transducer disconnect terminal block with PUSH IN connection technology	ATTB 6	2710070000
6 x	Pluggable measuring transducer disconnect terminal block with PUSH IN connection technology	ATTB 6 PG CT	2762280000
3 x	Plug with integrated „Make Before Break (MBB)“ function	APG 6/2 MBB	2762330000
2 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
2 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
2 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for the mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for the mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for the mechanical connection of two levers (color: purple)	LL TTB 6/2 CM VT	2710430000
1 x	Lever link for the mechanical connection to a lever (color: yellow)	LL TTB 6/1 YL	2710260000
1 x	Lever link for the mechanical connection to a lever (color: green)	LL TTB 6/1 GN	2710250000
1 x	Lever link for the mechanical connection to a lever (color: purple)	LL TTB 6/1 VT	2710290000
1 x	Lever link for the mechanical connection to a lever (color: blue)	LL TTB 6/1 BL	2710240000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
3 x	Switching lock for mechanical locking of the disconnection range	SL TTB 6	2710220000
7 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
2 x	End plate for finger safety at the end of the terminal strip	AEP 2C 4	2051680000
12 x	Pre-labelled markers depending on potential and terminal block number	WS 8/5 MM WS	2007150000
31 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8 PLUS MC WS LRP	2770670000
6 x	Screwless end brackets	AEB 35 SCL/1 V0	2661280000

TABSNAWECHSELTAFEL

6 mm<sup>2</sup>



Width/Height/Depth	mm	250.2 x 120.8 x 79.1
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

<b>Version</b>	beige
<b>Note</b>	

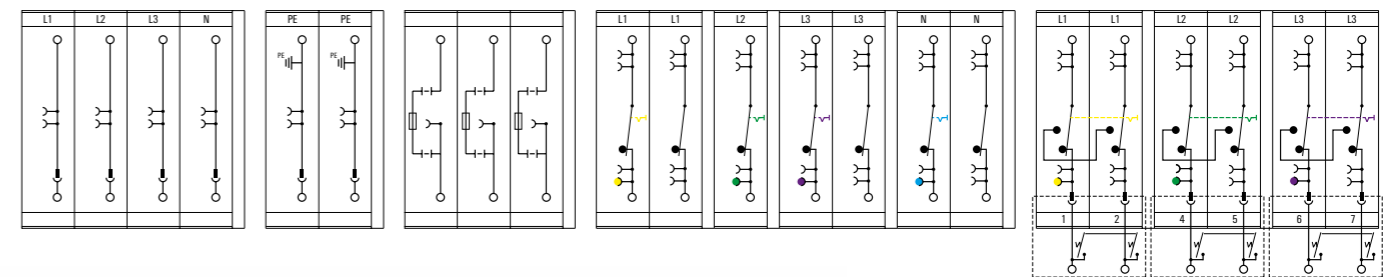
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
		6 kV / 3	
		A4 / V-0	

<b>Rated connection</b>	
0.5...10 / 0.5...6	
0.5...10 / 0.5...6	
12 / 0.8 x 4.0 mm	

### Application area of the terminal strip:

- Syna GmbH and the regions:  
Rheinland-Pfalz, Hessen, Bayern and Baden-Württemberg

### Circuit diagram



# TTB-Range

## TABSWESERNETZNS



TABSWESERNETZNS **6 mm<sup>2</sup>**



### Pre-assembled terminal strip according to TAB Nord specifications

The "TABWESERNETZNS" terminal strip is structured in accordance with the standards of TAB NORD. This structure is for the low-voltage systems in the power grids, for low-voltage transformer measurements in the Bremen and Bremerhaven area. For medium and high-voltage systems, please refer to the pre-assembled terminal strip "TABWESERNETZMS", which is specially designed according to the specifications of TAB Wesernetz Bremen GmbH specifically for medium and high-voltage systems in the Bremen and Bremerhaven area. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
12 x	Measuring transducer terminal block with PUSH IN technology	ATTB 6	2710070000
2 x	Measuring transducer terminal block with PUSH IN technology (color: blue)	ATTB 6 BL	2740010000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: violet)	LL TTB 6/2 CM VT	2710430000
6 x	Lever link for mechanical connection of one lever (color: orange)	LL TTB 6/1	2710230000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
2 x	Switching lock for mechanical locking of the disconnection range	SL TTB 6	2710220000
4 x	2-pole cross-connection for the electrical connection of „L1“, „L2“, „L3“ and „N“	ZQV 6N/2	1985740000
5 x	End plate for finger safety	EP TTB 6	2710170000
48 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8-11.5 MC NE WS	1341630000
2 x	Screwable end bracket	AEB 35 SCL/1 V0	2661280000

Width/Height/Depth	mm	135.9 x 100 x 79.1
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
		6 kV / 3	
		A4 / V-0	

<b>Rated connection</b>	
0.5...10 / 0.5...6	
0.5...10 / 0.5...6	
12 / 0.8 x 4.0 mm	

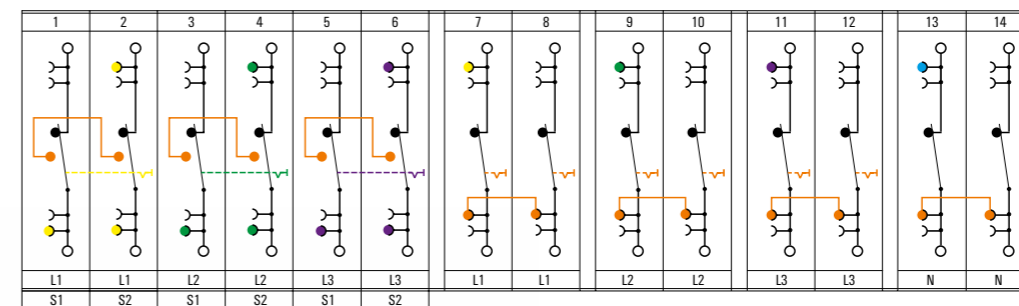
<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TABSWESERNETZNS	1	8000145573

<b>Note</b>	
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### Application area of the terminal strip:

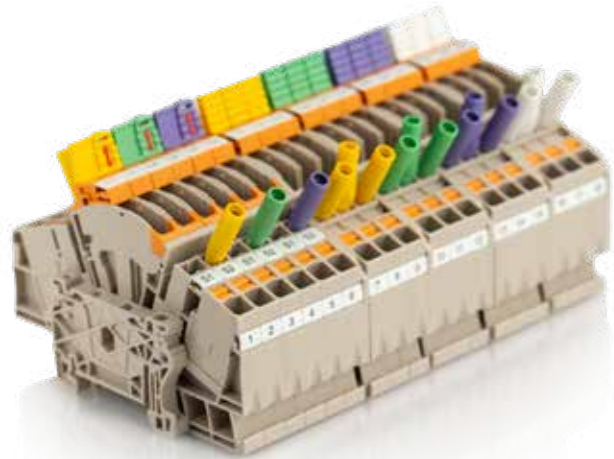
- Wesernetz Bremen GmbH  
Regions Bremen, Bremerhaven

### Circuit diagram



# TTB-Range

## TABWESERNETZMS



### Pre-assembled terminal strip according to TAB Wesernetz Bremen GmbH specifications

The "TABWESERNETZMS" terminal strip is structured in accordance with the standards of Wesernetz Bremen GmbH. This structure is intended for medium and high-voltage systems in the Bremen and Bremerhaven power grid area. For the low-voltage sector and the low-voltage transformer measurements, please refer to the pre-assembled terminal strip "TABWESERNETZNS", which is specially designed for the low-voltage grid in Bremen and Bremerhaven. The terminal blocks are designed with the PUSH IN connection technology. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
18 x	Measuring transducer terminal block with PUSH IN technology	ATTB 6	2710070000
8 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
8 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
8 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
6 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: white)	TS TTB 6 WT	2817250000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: violett)	LL TTB 6/2 CM VT	2710430000
3 x	Lever link for mechanical connection of one lever (color: yellow)	LL TTB 6/1 YL	2710260000
3 x	Lever link for mechanical connection of one lever (color: green)	LL TTB 6/1 GN	2710250000
3 x	Lever link for mechanical connection of one lever (color: violett)	LL TTB 6/1 VT	2710290000
3 x	Lever link for mechanical connection of one lever (color: white)	LL TTB 6/1 WT	2817220000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
4 x	3-pole cross-connection for the electrical connection of „L1“, „L2“, „L3“ and „N“	ZQV 6N/3	1985760000
5 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
60 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8-11.5 MC NE WS	1341630000
2 x	Screwable end bracket	AEB 35 SCL/1 V0	2661280000

TABWESERNETZMS

6 mm<sup>2</sup>



Width/Height/Depth	mm	168.3 x 100 x 79.1
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

<b>Rated connection</b>	
0.5...10 / 0.5...6	
0.5...10 / 0.5...6	
12 / 0.8 x 4.0 mm	

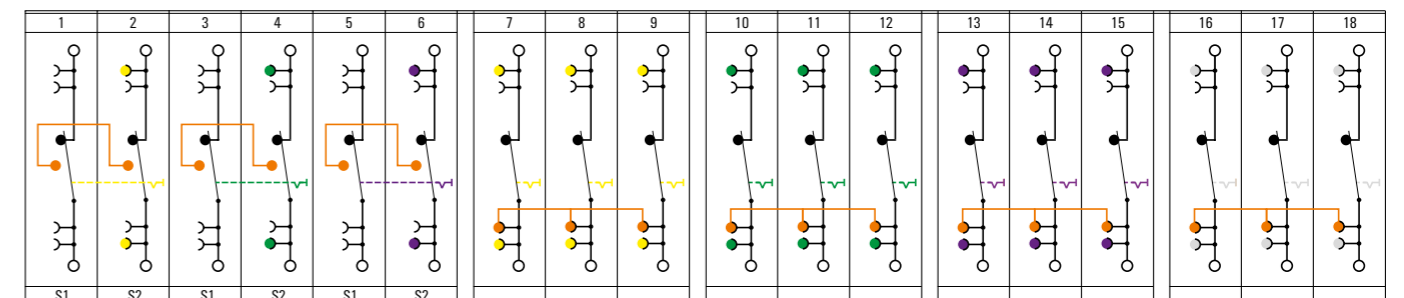
<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TABWESERNETZMS	1	8000145574

<b>Note</b>	
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### Application area of the terminal strip:

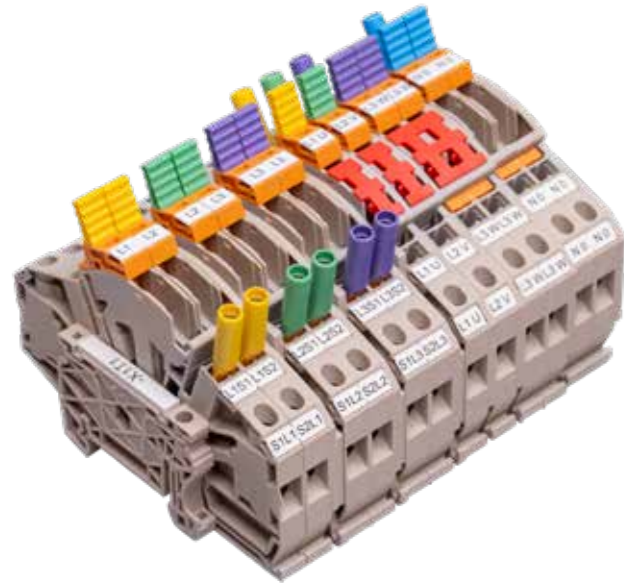
- Wesernetz Bremen GmbH  
Regions Bremen, Bremerhaven

### Circuit diagram



# TTB-Range

## TABWESTNETZ



### Pre-assembled terminal strip with test terminal blocks according to TAB Westnetz GmbH specifications

The "TAB Westnetz" terminal strip is designed in accordance with the Technical Connection Conditions under the title "Zählerwechselftafel". It is intended for the connection and operation of systems on the low-voltage grid in the area of Westnetz GmbH, mainly in North Rhine-Westphalia. The terminal blocks are designed with screw connection technology. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
12 x	Measuring transducer terminal block with tension clamp technology	WTTB 6	2710090000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
3 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/1 YL	2710260000
3 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/1 GN	2710250000
4 x	Lever link for mechanical connection of two levers (color: violett)	LL TTB 6/1 VT	2710290000
2 x	Lever link for mechanical connection of two levers (color: blue)	LL TTB 6/1 BL	2710240000
3 x	Switching lock for mechanical locking of the separation area	SL TTB 6	2710220000
3 x	Partition plate for the distances between the potentials	APP 4	2489110000
7 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
40 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8 PLUS MC WS LRP	2770670000
2 x	Screwable end bracket with integrated marked areas	AEB 35 SCL/1 V0	2661280000
2 x	Pre-labelled markers for end brackets	WAD 5 MC NE WS	1112940000

TABWESTNETZ

6 mm<sup>2</sup>



Width/Height/Depth	mm	131.4 x 100 x 78.5
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Short-term current strength	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	
Stripping length / Blade size	mm/-

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

#### Rated connection

Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

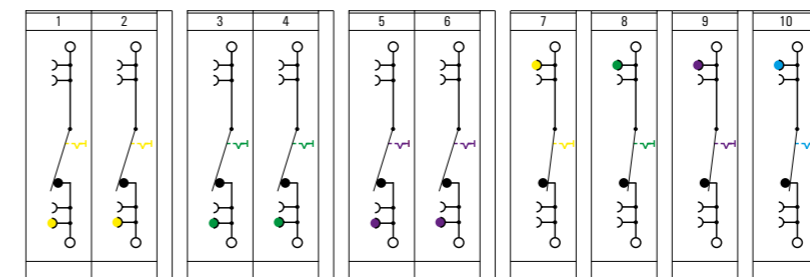
<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TABWESTNETZ	1	8000145576

#### Note

### Application area of the terminal strip:

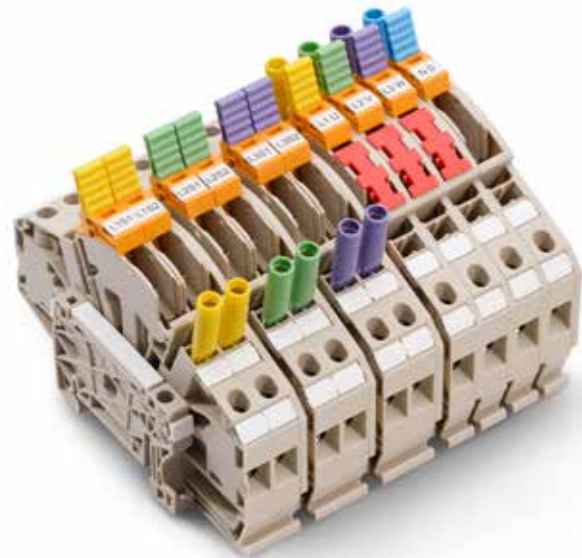
- Westnetz GmbH  
Regions Lower Saxony, North Rhine-Westphalia,  
Rhineland-Palatinate

### Circuit diagram



# TTB-Range

## TABSWESTNETZWECHSELTAFLNS



TABSWESTNETZWECHSELTAFLNS 6 mm<sup>2</sup>



### Pre-assembled terminal strip according to TAB Westnetz GmbH specifications

The "TABSWESTNETZWECHSELTAFLNS" terminal strip is structured in accordance with the Technical Connection Conditions under the title "Meter exchange panel". It is designed for the connection and operation of systems on the low-voltage grid in the area of Westnetz GmbH, mainly in North Rhine-Westphalia. The terminal blocks are designed with screw connection technology. Please always refer to the supplementary sheets of the respective grid operator.

#### Item list

Qty.	Designation	Type	Order No.
10 x	Measuring transducer terminal block with tension clamp technology	WTTB 6	2710090000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
3 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: purple)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
3 x	Lever link for mechanical connection of one lever (color: yellow)	LL TTB 6/1 YL	2710260000
3 x	Lever link for mechanical connection of one lever (color: green)	LL TTB 6/1 GN	2710250000
3 x	Lever link for mechanical connection of one lever (color: violet)	LL TTB 6/1 VT	2710290000
3 x	Switching lock for mechanical locking of the separation area	SL TTB 6	2710220000
3 x	Partition plate for the distances between the potentials	APP 4	2489110000
4 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
40 x	Pre-labelled markers depending on potential and terminal block number	DEK 5/8 PLUS MC WS LRP	2770670000
2 x	Screwable end bracket with integrated marked areas	AEB 35 SCL/1 V0	2661280000
2 x	Pre-labelled markers for end brackets	WAD 5 MC NE WS	1112940000

Width/Height/Depth	mm	115.3 x 100 x 78.5
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Short-term current strength	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	
Stripping length / Blade size	mm/-

#### Note

#### Ordering Data

<b>Version</b>	beige
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#### Note

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

#### Rated connection

Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering Data

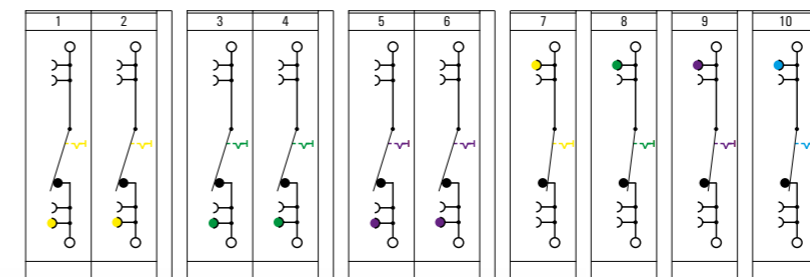
<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
TABSWESTNETZWECHSELTAFLNS	1	8000145578

#### Note

### Application area of the terminal strip:

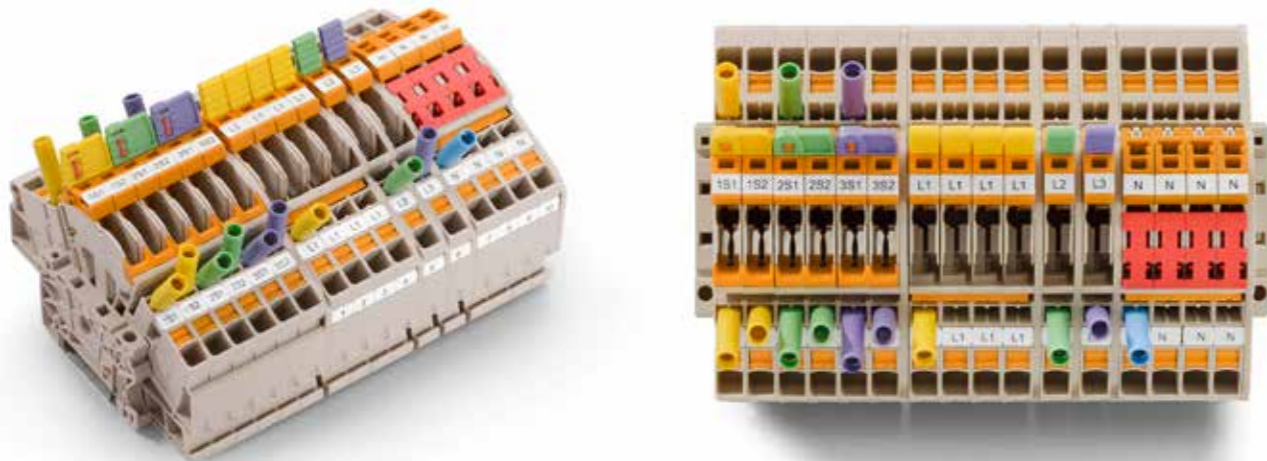
- Westnetz GmbH  
Regions Lower Saxony, North Rhine-Westphalia,  
Rhineland-Palatinate

### Circuit diagram



# TTB Range

## VDEFNNPUSHIN



VDEFNNPUSHIN **6 mm<sup>2</sup>**



### Pre-assembled terminal strip according to VDE FNN specifications

The "VDEFNNPUSHIN" terminal strip is designed in accordance with the "VDE FNN note for meter stations with semi-indirect measurements up to 1000 A in low voltage (for transformer systems)". It refers to version 1.0 from June 2022 and is used to standardize semi-indirect measurements (transformer measurements). This note is to be applied together with VDE-AR-N 4100:2019 and VDE-AR-N 4100 authorization 1:2019. The terminal blocks are designed with the PUSH IN connection technology. The comparable design with screw connection technology is available under the name "LST VDE FNN screw" and the article number "8000109947".

#### Item list

Qty.	Designation	Type	Order No.
16 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: violet)	TS TTB 6 VT	2710530000
1 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: violett)	LL TTB 6/2 CM VT	2710430000
4 x	Lever link for mechanical connection of one lever (color: yellow)	LL TTB 6/1 YL	2710260000
1 x	Lever link for mechanical connection of one lever (color: green)	LL TTB 6/1 GN	2710250000
1 x	Lever link for mechanical connection of one lever (color: violet)	LL TTB 6/1 VT	2710290000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
4 x	Switching lock for mechanical locking of the separation area	SL TTB 6	2710220000
2 x	5-pole cross-connection for the electrical connection of „L1“ or „N“	ZQV 6N/4	1985780000
5 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
52 x	Pre-labeled markers with „S1“ or „S2“ depending on potential	DEK 5/8-11.5 MC NE WS	1341630000
2 x	screwless end bracket with integrated marking surfaces	AEB 35 SCL/1 V0	2661280000

Width / Height / Depth	mm	152.1 x 100 x 79.1
max. current / max. conductor	A/mm <sup>2</sup>	30 / 10
max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical data

<b>Rated data</b>		IEC 60947-7-1
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Kurzzeitstromfestigkeit		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Lehrdorn IEC 60-947-1 / Brennbarkeitsklasse nach UL 94		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		<b>Rated connection</b>
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductor)		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm

#### Note

#### Ordering data

<b>Version</b>	PUSH IN Schraubanschluss
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#### Note

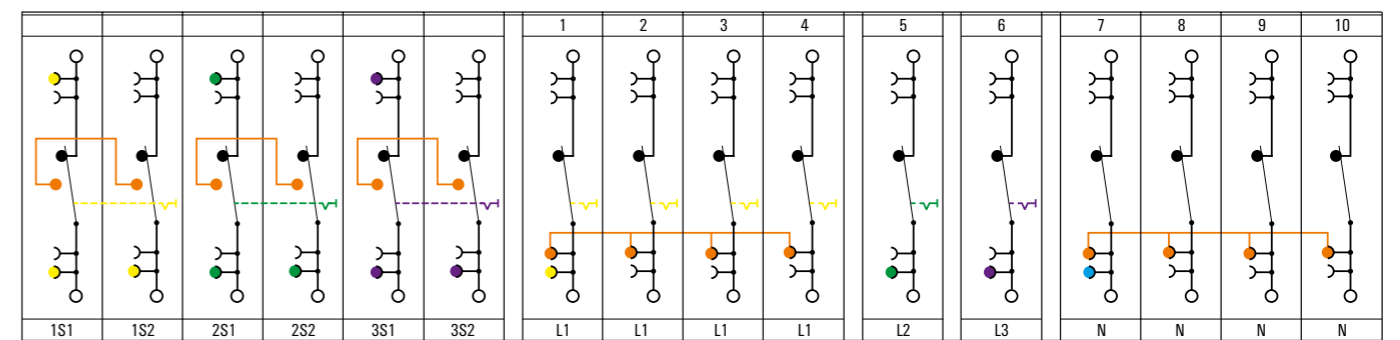
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
30			
6			

<b>Type</b>	<b>Qty.</b>	<b>Order no.</b>
VDEFNNPUSHIN	1	8000145580
LST VDE FNN Schraube	1	8000109947

### Application area of the terminal strip:

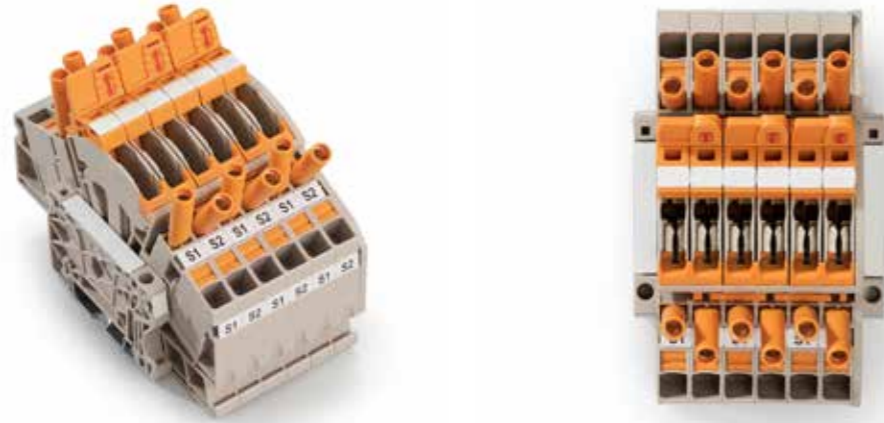
For use throughout Germany in accordance with the „Note from VDE FNN for meter stations with semi-indirect measurements up to 1000 A in low voltage (for transformer systems)“.

### Circuit diagram



# TTB-Range

## LST CT 3PHASE ATTB OR



LST\_CT\_3PHASE\_ATTb\_OR 6 mm<sup>2</sup>



### Pre-assembled terminal strip 3 phase for current transformers

With PUSH IN connection technology

The terminal strip "LST CT 3PHASE ATTB OR" is an assembly of 6 terminals for 3 current transformers. The 3 phases have the forced short-circuit function (MBC - Make Before Break) and comparison measurement function. The terminal blocks are designed with the PUSH IN connection technology. The comparable design with screw connection technology is available under the name "LST CT 3PHASE WTTB OR" and article number "8000082522".

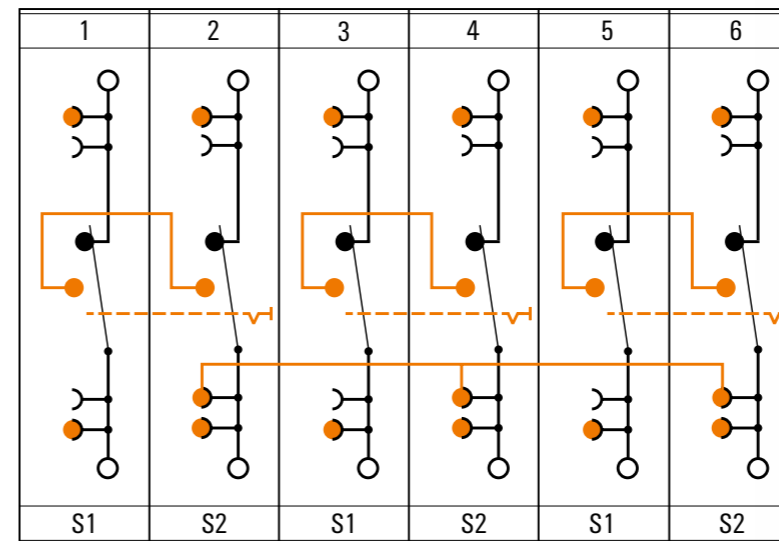
#### Item list

Qty.	Designation	Type	Order No.
6 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
12 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm	TS TTB 6 OR	2710470000
3 x	Lever link for mechanical connection of two levers	LL TTB 6/2 CM	2710370000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
1 x	5-pole cross-connection for the electrical connection of „S2“	ZQV 6N/6	2733950000
1 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
24 x	Pre-labeled markers with „S1“ or „S2“ depending on potential	DEK 5/7.5 MC NE WS	1720620000
2 x	screwless end bracket with integrated marking surfaces	AEB 35 SCL/1 V0 DL	2570240000

Width/Height/Depth	mm	62.5 x 100 x 79
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10
<b>Technical Data</b>		
<b>Bemessungsdaten</b>		
Rated voltage	V	500
Rated current	A	30
for wire cross-section	mm <sup>2</sup>	6
Short-term current strength		
Rated impulse withstand voltage / Pollution severity		6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		
Solid / Stranded	mm <sup>2</sup>	0.5...10 / 0.5...6
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...10 / 0.5...6
Twin wire-end ferrule		
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm
<b>Note</b>		
IEC 60947-7-1		
<b>Ordering Data</b>		
Version		
	PUSH IN	
	Screw connection	
<b>Note</b>		
Type	Qty.	Order no.
LST_CT_3PHASE_ATTb_OR	1	8000082521
LST_CT_3PHASE_WTTB_OR	1	8000082522

**Application area of the terminal strip:**  
Colored setup for 3 phases for general use.

#### Circuit diagram



# TTB-Range

## LST CTVT 3PHASEPEATTB

LST\_CTVT\_3PHASEPEATTB

6 mm<sup>2</sup>



### Pre-assembled terminal strip for 3 current and voltage transformers with N and PE connection With PUSH IN connection technology

The "LST\_CTVT\_3PHASEPEATTB" terminal strip is a setup for 3 current and voltage transformers with N and PE connection. The 3 phases are color coded on the current transformer side with yellow (L1), green (L2) and violet (L3). In addition, the structure has the forced short-circuit function (MBB - Make Before Breake) and comparison measurement function. The terminal blocks are designed with the PUSH IN connection technology. The comparable design with screw connection technology is available under the name "LST\_CTVT\_3PHASEPEWTTB" and article number "8000082524".

#### Item list

Qty.	Designation	Type	Order No.
9 x	Measuring transducer terminal block with PUSH IN connection technology	ATTB 6	2710070000
1 x	Measuring transducer terminal block with PUSH IN connection technology (color: blue)	ATTB 6 BL	2740010000
1 x	Contour-like PE terminal block	ATTB 6 PE	2710080000
6 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: orange)	TS TTB 6 OR	2710470000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: yellow)	TS TTB 6 YL	2710500000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: green)	TS TTB 6 GN	2710490000
4 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: violet)	TS TTB 6 VT	2710530000
2 x	Angled and fingersafe test sockets, for test plugs Ø 4 mm (color: blue)	TS TTB 6 BL	2710480000
1 x	Lever link for mechanical connection of two levers (color: yellow)	LL TTB 6/2 CM YL	2710400000
1 x	Lever link for mechanical connection of two levers (color: green)	LL TTB 6/2 CM GN	2710390000
1 x	Lever link for mechanical connection of two levers (color: violet)	LL TTB 6/2 CM VT	2710430000
3 x	Lever link for mechanical connection of one lever (color: orange)	LL TTB 6/1	2710230000
1 x	Lever link for mechanical connection of one lever (color: blue)	LL TTB 6/1 BL	2710240000
3 x	2-fold short-circuit bridge for the electrical connection of „S1“ and „S2“ (in combination with lever link and desired short-circuit position of the levers)	SCCB TTB 6/2	2710190000
1 x	5-pole cross-connection for the electrical connection of „S2“	ZDV 6N/6	2733950000
1 x	End plate for finger safety at the end of the terminal strip	EP TTB 6	2710170000
44 x	Pre-labeled markers with „S1“ or „S2“ depending on potential	DEK 5/7.5 MC NE WS	1720620000
2 x	screwless end bracket with integrated marking surfaces	AEB 35 SCL/1 V0 DL	2570240000

Width/Height/Depth	mm	105 x 100 x 79
Rated current / max. cond. cross-section	A/mm <sup>2</sup>	30 / 10
Max. clamping range	mm <sup>2</sup>	0.5...10

#### Technical Data

Bemessungsdaten	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Short-term current strength	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	
Stripping length / Blade size	mm/-

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500			
30			
6			
	6 kV / 3		
	A4 / V-0		

#### Note

#### Ordering Data

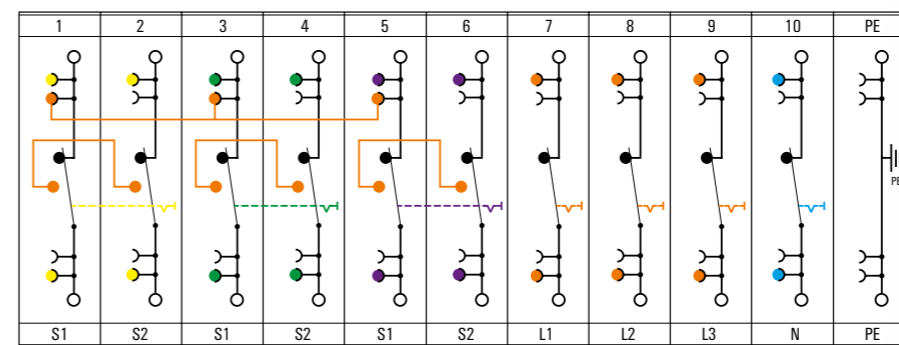
Version	Connection
	PUSH IN
	Screw connection

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	
Stripping length / Blade size	mm/-

#### Note

Type	Qty.	Order no.
LST_CTVT_3PHASEPEATTB	1	8000082523
LST_CTVT_3PHASEPEWTTB	1	8000082524

#### Circuit diagram



#### Application area of the terminal strip:

Colored setup for 3 phases for general use.

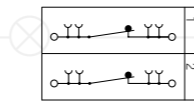
# Application examples\*

## Changing a Protection/Metering device

### Planning and installation: Equipping the terminal blocks with accessories

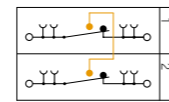
#### 1. SCCB TTB 6 short circuit bridge installation in progress

The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in its dedicated channel. Once mounted, the short circuit bridge cannot be removed from the application.



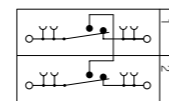
#### 2. SCCB TTB 6 short circuit bridge installation completed

When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



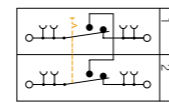
#### 3. LL TTB 6 lever link installation in progress

The lever link is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.



#### 4. LL TTB 6 lever link installation completed

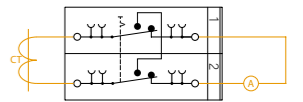
The mechanical connection between the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers.



### Installation: Wiring transformer and ammeter wiring

#### Wiring of current transformer and ammeter

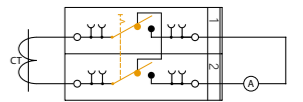
The transformer will be connected in the clamping units upstream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.



### Operation: Changing an ammeter

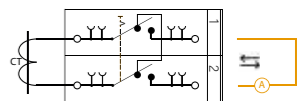
#### 1. Switching the lever link

Switching the lever link causes an automatic short circuit (make before break mechanism) on the secondary wiring of the current transformer. This prevents the voltage on the current transformer from surging and protects it from damage leading to its destruction.



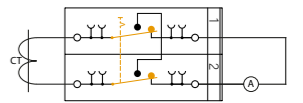
#### 2. Replacing the ammeter

After short-circuiting the current transformer side and simultaneously disconnecting the circuit through the lever switching, the ammeter can be replaced easily and safely.



#### 3. Restoring the lever link back into original position

Switching backwards the lever, restores the entire arrangement into its original status. The transition from the automatic short circuit back to the initial position is realised smoothly and safely.



\*Illustrations and functionalities are referred for all versions, including pluggable.

## Application examples\*

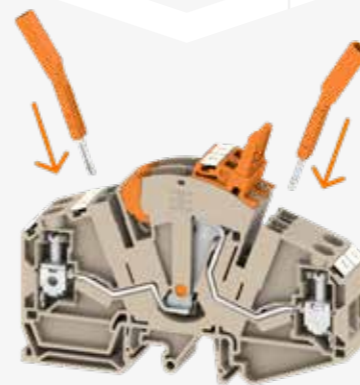
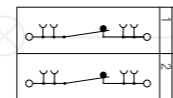
### Performing a comparative measurement



#### Planning and installation: Equipping the terminal blocks with accessories

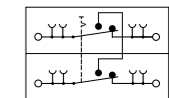
##### 1. SCCB TTB 6 short circuit bridge installation in progress

The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in its dedicated channel. Once mounted, the short circuit bridge cannot be removed from the application.



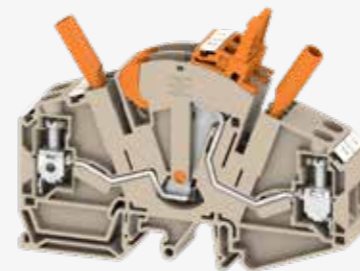
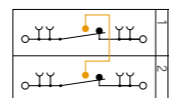
##### 5. TS TTB 6 test sockets installation in progress

The TS TTB 6 test sockets are inserted into the bespoke housings provided in the terminal blocks from above. Once inserted, the test sockets cannot be removed from the installation.



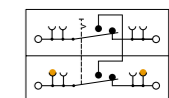
##### 2. SCCB TTB 6 short circuit bridge installation completed

When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



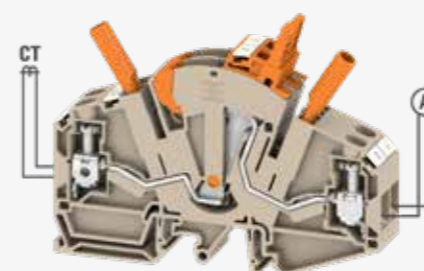
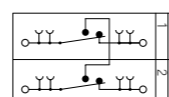
##### 6. TS TTB 6 test sockets installation completed

The test sockets are used to connect test devices with a standard 4.0 plug with widths up to 10 mm into the terminal. Test sockets are arranged at an angle, therefore all standard measurements (even adjoining) can be realised within the terminal width of 8.1 mm. Once mounted, the test socket cannot be removed from the application.



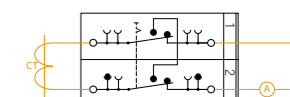
##### 3. LL TTB 6 CM lever link installation in progress

The CM lever link (having long, asymmetrical, red coloured foot) is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.



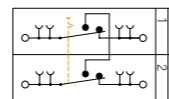
#### Installation: Wiring the transformer and the ammeter

The transformer will be connected in the clamping unit upstream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.



##### 4. LL TTB 6 CM lever link installation completed

The mechanical connection of the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers. By lifting the LL TTB 6 CM, the two (or more) disconnect levers of the terminal blocks are disengaged from each other and can be switched independently. Prior to any re-energising of the circuit, the CM needs to be pushed down into original position and the circuit closed.



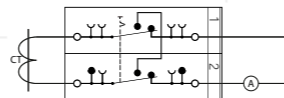
\*Illustrations and functionalities are referred for all versions, including pluggable.

## Application examples\*

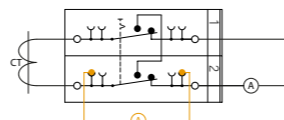
### Performing a comparative measurement

#### Operation: Performing a comparative measurement

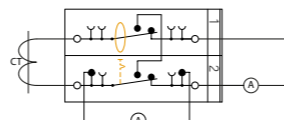
**1. Configuration correctly equipped**  
The installation of the required accessories to equip the terminal arrangement for comparative measurement and also the wiring of the primary side as well as the secondary side, has already been carried out. The installation is correctly prepared to perform the required operations.



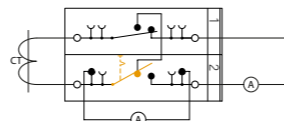
**2. Connection of a reference measuring (calibrated) instrument**  
The reference measuring (calibrated) instrument is connected via standard 4.0 plugs to the test sockets on a terminal block. The connection is made inserting in parallel the calibrated instrument to the terminal block, where the disconnection will take place.



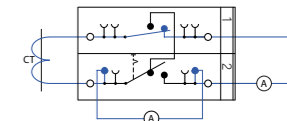
**3. Lifting up the LL TTB 6 CM lever link**  
Lifting up the lever link LL TTB 6 CM causes a mechanical decoupling of the two disconnect levers. Now the two disconnect levers can be operated independently from each other within this application.



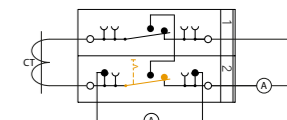
**4. Switching the LL TTB 6 CM lever link**  
By switching the previously decoupled lever link, the current flow is diverted from the terminal block through the now parallel-connected reference measuring instrument.



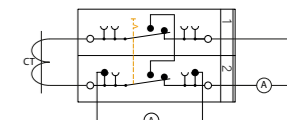
**5. Performing the comparative reading of the two ammeters**  
The values measured by the ammeter connected downstream can now be compared with the values given by the reference meter since both instruments are reading the same current. The comparison measurement has now been successfully completed and the correct functional verification of the ammeter connected downstream the terminal has been carried out.



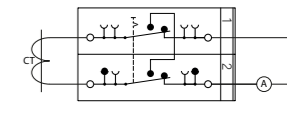
**6. Restoring the lever link back into original position**  
Switching backwards the lever, restores the entire arrangement into its original status. The transition from the comparative measurement status back to the initial position is realised smoothly and safely.



**7. Pressing down the LL TTB 6 CM lever link**  
Pressing down the LL TTB 6 CM lever link restores the mechanical connection of the two disconnect levers within the application.



**8. Disconnecting of the reference measuring instrument**  
The reference measurement instrument is therefore disconnected from the installation by simply removing its plugs from the test sockets of the terminal block and the installation is restored in the initial status



\*Illustrations and functionalities are referred for all versions, including pluggable.

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