

Terminal blocks

Compact planning, structured wiring

Klippon® Connect AITB terminal blocks for building installation wiring



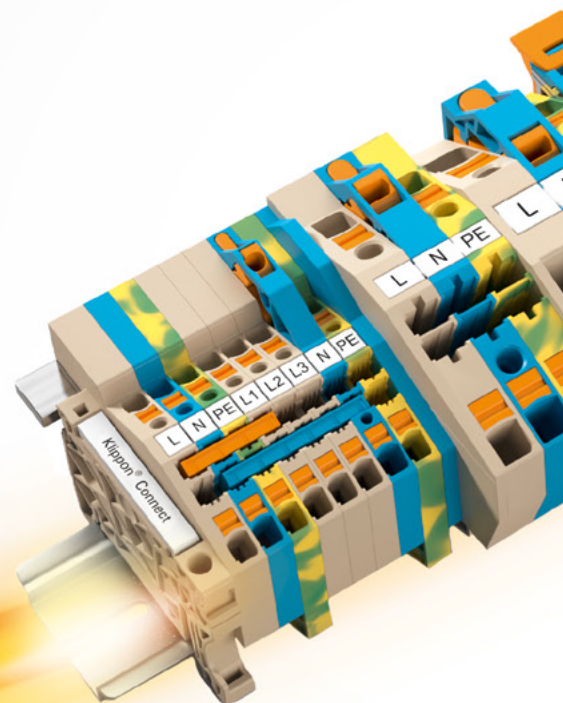
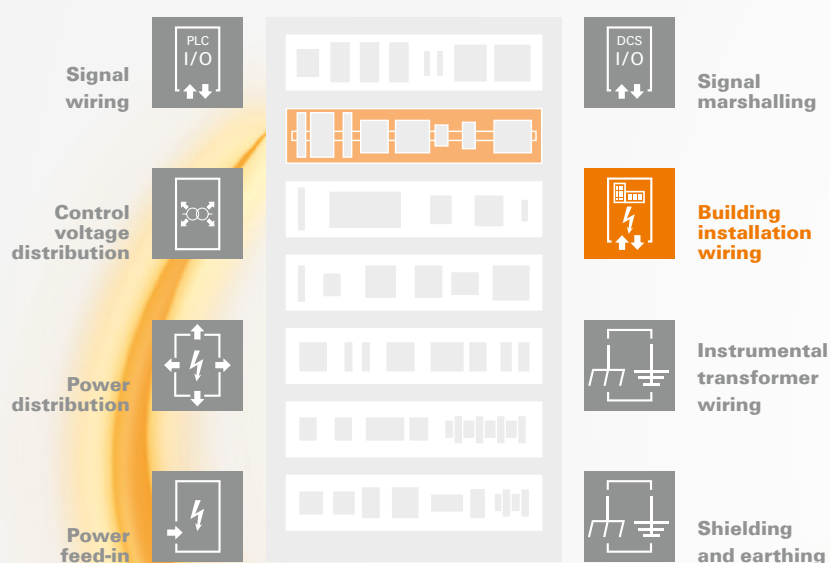
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Get real added value for your building installations

The new modular terminal blocks AITB

A large number of standards and regulations govern the building industry. As a result, high safety standards must be met for electrical installations. These standards also apply to a wide range of components that have to be integrated into complex control cabinets in a confined space. Our new AITB modular terminal block system was specially developed to meet the specific requirements and safety regulations for wiring in building installations. Special features of the series ensure real added value in planning, installation and operation on site.



Your special advantages:



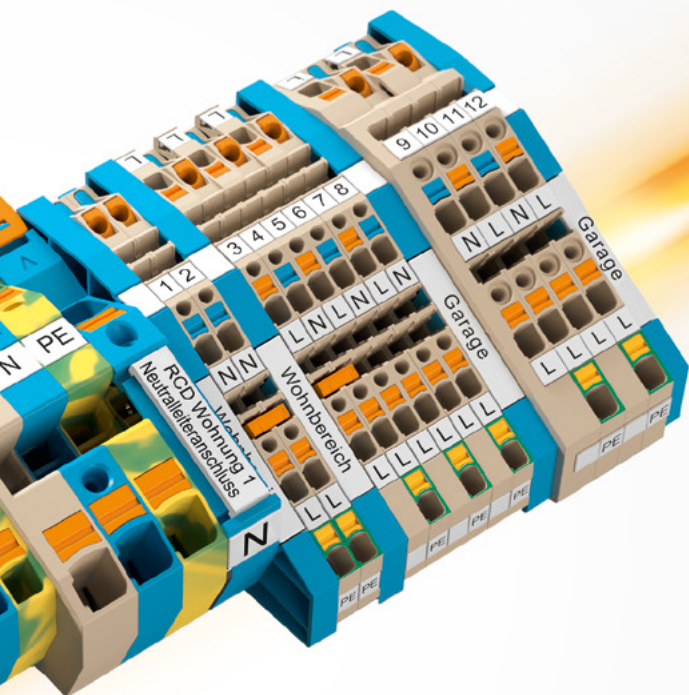
Clearly structured functional areas and the convenient PUSH IN connection technology ensure significant time savings



The disconnect slide enables safe opening and disconnection of the neutral conductor from the 10x3 busbar



Shape and marker positioning of the terminals are optimally adapted to robot-supported assembly processes



Achieving added value at all stages of panel building

The planning phase is crucial for the success and cost-effectiveness of the entire panel building process, and requires the intelligent interplay of digital product data and interconnected engineering tools.

Efficient, easy wiring is key to installation. Our products stand out in this respect with their intuitive handling and clear design. All terminal functions can be distinguished from each other instantly.

Our Klippon® Connect products feature standardised test points which make automated testing and checking processes possible. In this way, maintenance and testing tasks can be carried out much more safely and faster.



A double cross-connection channel ensures intelligent potential multiplication within three-phase systems



The digital design of terminal strips in the WMC enables the creation of consistent documentation for production



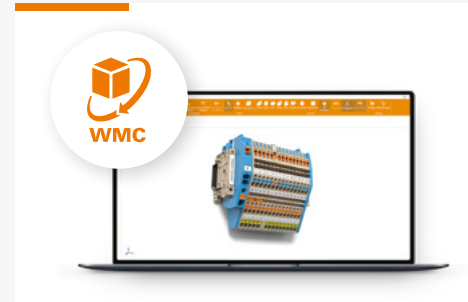
With the „Fast delivery service“, the fully assembled terminal strips are delivered directly to the place of use

Plan, install, and operate optimally

Planning – with perfect support

Digital assembly in the WMC

In the Weidmüller Configurator (WMC) you can digitally plan, assemble, and directly order complete terminal rails – including accessories. You can also create complete parts lists and installation instructions for production. In this way, failures can be avoided and costs can be saved.



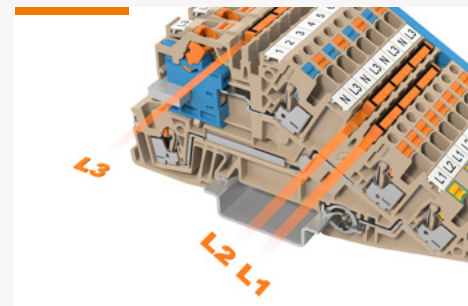
Wide range of functions

Modular terminal blocks AITB have a multifunctional disconnect area. It can accommodate either a fuse holder, a disconnect, or a component plug. Thus, the terminal block can be used within an application as a disconnect terminal block, a fuse terminal block, or as a terminal block with electronic components inside.



Flexible cross-connection options

The continuous cross-connection channels of our modular terminal blocks AITB increase flexibility and save wiring time. Structures in the 400 V three-phase system can be cross-connected easily and conveniently with the phase conductors L1, L2, and L3.



Standard-compliant safety

Our modular terminal blocks AITB are regularly inspected by independent test centres to ensure maximum product safety within the switchgear. This is immediately shown by the corresponding test marks on the products and product labels.

VDE

Plan, install, and operate optimally

Installation – simple, fast, and safe

Ready to robot

Our modular terminal blocks AITB already support robot-assisted assembly, marking, and wiring. So you are optimally prepared for the advancing partial automation in control cabinet construction.

Convenient PUSH IN technology

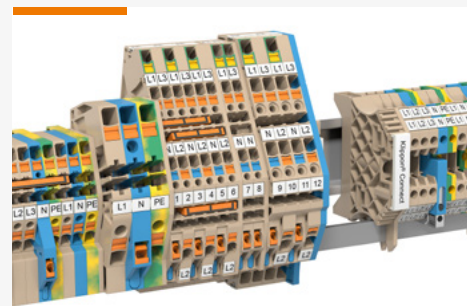
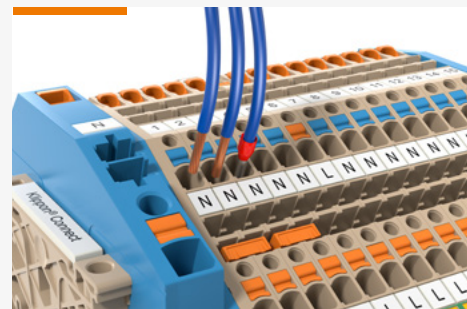
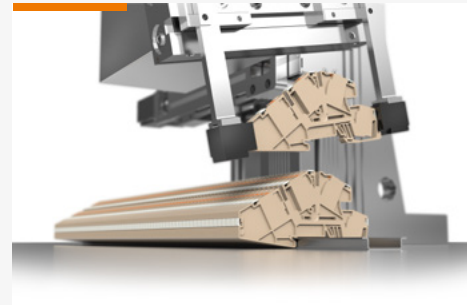
NYM cables and other solid conductors are simply pushed into the clamping point after stripping to create a reliable connection. Even fine-stranded conductors can be connected by simply pressing the coloured pusher. No special tools required!

Combination of different connection techniques

A uniform busbar position enables the combination of different terminal block products and connection technologies in one complete system. For large cross-sections – e.g. N conductors – the side screw terminal connection is available. Terminal blocks with convenient PUSH IN connection technology are used to collect and distribute potentials.

Clearly distinguishable functional areas

The different functional areas can be clearly distinguished by shape or colour. For example, conductor connection, cross-connections, and test hole can be clearly identified. Installation and maintenance work can be carried out quickly and without errors.



Plan, install, and operate optimally

Operation – norm-compliant and safe

FI/LS circuits

If many FI/LS circuits are used in an installation, each N potential can be routed and separated via the individual isolator. This enables measuring the insulation resistance of all conductors to earth, as required by VDE 0100-718 and DIN VDE 0100-482, without disconnecting the neutral conductor.

Safe disconnection of the neutral conductor

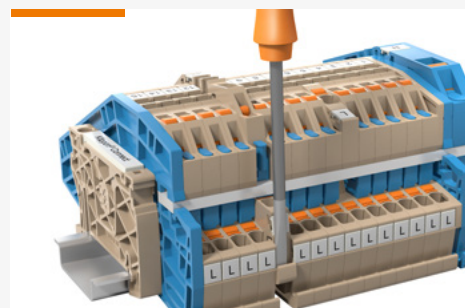
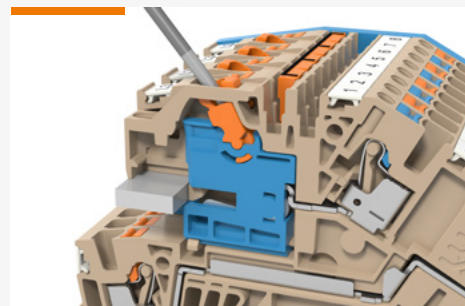
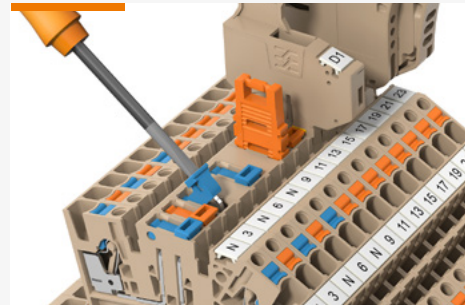
The neutral conductor can be separated from the busbar quickly and easily with a screwdriver. A clearly visible status display indicates the current contact position of the disconnecting slide. This reliably prevents operating errors.

Quick assembly and disassembly

AITB modular terminals can be mounted and dismantled quickly and easily – even in combination. This also applies if a busbar with modular terminal blocks AITB of the A-Series is already integrated into the system. This speeds up maintenance work and components can be retrofitted or replaced in a minimum of time.

Simple standardised system tests

With modular terminal blocks AITB, no conductive components can be reached with voltage testers when wired. Once the test probes are snapped in, the test report can be filled out while the measurement is in progress.



Easily meet growing safety standards

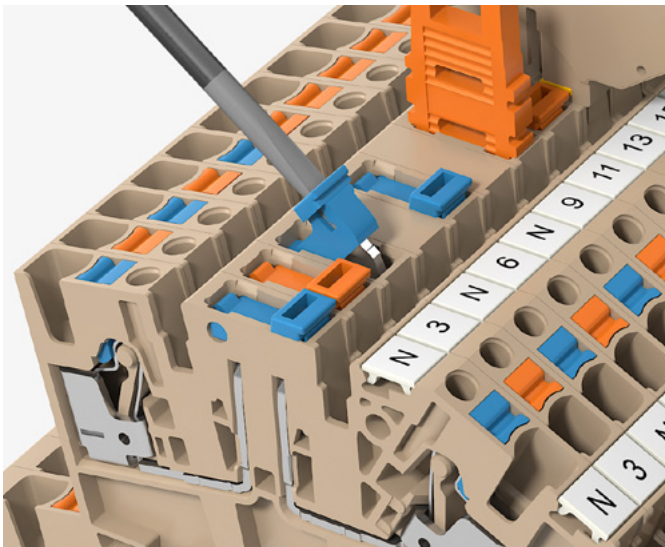
Standardised measurements in electrical switchgear

High safety requirements and standards in building technology protect the people who live and work in a building. These norms and standards also increase the safety requirements for all electrical systems and their components – for example, the terminal block system that acts as the interface between the electrical system and the building.

Measurement of insulation resistance

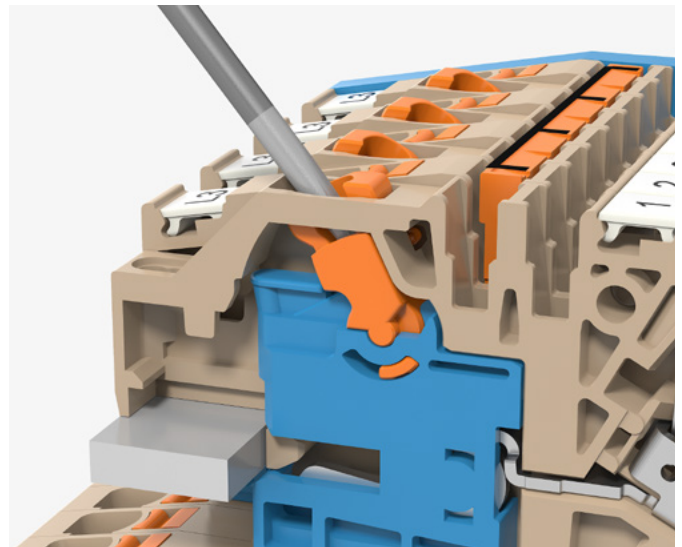
When planning and installing control cabinets in buildings, the opening and closing of circuits is one of the normative requirements. Depending on the number of circuit groups within an object, the separation can be carried out via a standard disconnecter or a disconnecting slide. The required measurement of the insulation resistance of all conductors to earth must be carried out without disconnecting the neutral conductor in accordance with VDE 0100-718 and DIN VDE 0100-482. The measurement itself could be realized conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block.

Measurements in small circuit groups



VDE 0100-718 and DIN VDE 0100-482 require a measurement of the insulation resistance of all conductors to earth without disconnecting the neutral conductor. In buildings with many FI/LS circuits, each room or current path may represent a single circuit that must be considered separately during the measurement. With the AITB terminal blocks, each N potential can be routed separately via individual isolators and separated for insulation measurements. The measurement itself could be realized conveniently and safely via the integrated test adapter

Measurements in large circuit groups

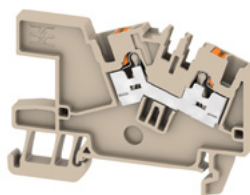


If the slider is levered to the end position, it opens the contact to the copper bar. Thus, the circuit is interrupted and measurements can be carried out conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block. The clearly visible position indicator provides quick and reliable information about the current status of the system.



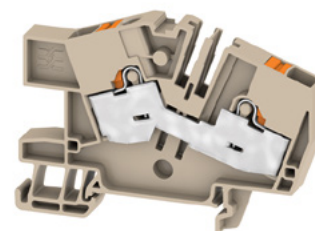
AITB 2.5 BB 2C

2,5 mm²



AITB 6 BB 2C

6 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 63,8 x 43,6	
30 / 4	
0,14...4	

8,1 x 76,6 x 52,9	
41 / 10	
0,34...10	

Technical data

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

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2,5			
	8 kV / 3		
	A3 / V-0		
C E			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
41			
6			
	8 kV / 3		
	A5 / V-0		
C E			
Rated connection			
0,5...10 / 0,5...10			
0,5...6 / 0,5...6			
0,5...1,5			
12 / 1,0 x 5,5 mm			

Note

Ordering data

Version	
dark beige	
Blue	
Note	

Type	Qty.	Order No.
AITB 2.5 BB 2C	50	2668660000
AITB 2.5 BB 2C BL	50	2668670000

Type	Qty.	Order No.
AITB 6 BB 2C	50	2668700000
AITB 6 BB 2C BL	50	2668710000

Accessories

Plug-in cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
End plate	
dark beige	
blue	
Support bracket for 10 x 3 (required every 20 cm)	
blue	
End bracket	
dark beige, direct mounting	
blue, direct mounting	
blue, direct mounting	
Test adapter	
1-pole	
stackable	
3-pole	
5-pole	
Test plug	
Screwdriver	
Standard	
Busbar 10 x 3 (140 A)	
Marking tags	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB 2C	20	2668780000
AEP ITB 2.5 BB 2C BL	20	2668790000
APP ITB 2.5 BB 2C/NDT BL	20	2668870000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MHR	0,2 A 50	1991960000
ATPG 2.5/3	0,2 A 25	2041190000
ATPG 2.5/5	0,2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 6N/2	41 A 60	1985740000
ZQV 6N/3	41 A 60	1985760000
ZQV 6N/4	41 A 60	1985780000
AEP ITB 6 BB 2C	20	2668810000
AEP ITB 6 BB 2C BL	20	2668820000
APP ITB 6 BB 2C/NDT BL	20	2668880000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 6 MHR	0,2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/8 MC NE WS	800	1856740000
DEK-A 5/8 MM WS	500	2448860000

For detailed information on other accessories and application in the online catalogue

AITB 16 BB 2C
16 mm²


10 x 84,6 x 52,9

76 / 16
0,5...16


IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
76			
16			
	8 kV / 3		
	A6 / V-0		

C €
Rated connection

0,5...16 / 0,5...10

0,5...10 / 0,5...10

0,75...6

18 / 1,0 x 5,5 mm

Type	Qty.	Order No.
AITB 16 BB 2C	20	2668740000
AITB 16 BB 2C BL	20	2668750000

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	2497250000
AEP ITB 16 BB 2C	20	2668840000
AEP ITB 16 BB 2C BL	20	2668850000
APP ITB 16 BB 2C/NDT BL	20	2668890000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
WS 8/6 PLUS MC NE WS	600	1951880000
WS-A 8/10 MM WS	350	2619890000



AITB 2.5 BB 2C PE

2,5 mm²

AITB 6 BB 2C PE

6 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	-/mm ²
Max. clamping range	mm ²

5,1 x 63,8 x 43,6	
/ 4	
0,14...4	

8,1 x 76,6 x 52,9	
/ 10	
0,34...10	

Technical data

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

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2,5			
	8 kV / 3		
	A3 / V-0		
CE			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6			
	8 kV / 3		
	A5 / V-0		
CE			
Rated connection			
0,5...10 / 0,5...10			
0,5...6 / 0,5...6			
0,5...1,5			
12 / 1,0 x 5,5 mm			

Note

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Ordering data

Version
green/yellow
Note

Type	Qty.	Order No.
AITB 2.5 BB 2C PE	50	2668680000

Type	Qty.	Order No.
AITB 6 BB 2C PE	50	2668720000

Accessories

End plate	dark beige
Support bracket for 10 x 3 (required every 20 cm)	blue
End bracket	dark beige, direct mounting blue, direct mounting blue, direct mounting
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

Type	Qty.	Order No.
AEP ITB 2.5 BB 2C	20	2668780000
APP ITB 2.5 BB 2C/NDT BL	20	2668870000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
AEP ITB 6 BB 2C	20	2668810000
APP ITB 6 BB 2C/NDT BL	20	2668880000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 6 MI-R	0,2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/8 MC NE WS	800	1856740000
DEK-A 5/8 MM WS	500	2448860000

For detailed information on other accessories and application in the online catalogue

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AITB 16 BB 2C PE
16 mm²


10 x 84,6 x 52,9

/ 16

0,5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16			
	8 kV / 3		
	A6 / V-0		
C €			
Rated connection			
0,5...16 / 0,5...10			
0,5...10 / 0,5...10			
0,75...6			
18 / 1,0 x 5,5 mm			

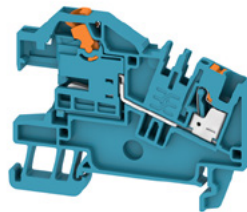
Type	Qty.	Order No.
AITB 16 BB 2C PE	20	2668760000

Type	Qty.	Order No.
AEP ITB 16 BB 2C	20	2668840000
APP ITB 16 BB 2C/NDT BL	20	2668890000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0x5,5x125	1	2749160000
SSCH 10x3x1000 CU/SN	140 A 1	0348900000
WS 8/6 PLUS MC NE WS	600	1951880000
WS-A 8/10 MM WS	350	2619890000



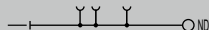
AITB 2.5 BB NDT BL

2,5 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 63,8 x 50
23 / 4
0,14...4



Technical data

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

Note

Ordering data

Version
blue
Note

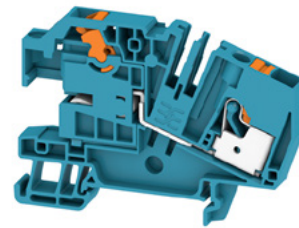
Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	blue
Support bracket for 10 x 3 (required every 20 cm)	
	blue
End bracket	
	dark beige, direct mounting
	blue, direct mounting
	blue, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

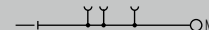
For detailed information on other accessories and application in the online catalogue

AITB 6 BB NDT BL

6 mm²



8,1 x 76,6 x 52,9
41 / 10
0,34...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
41			
6			
	4 kV / 3		
	A5 / V-0		
CE			
Rated connection			
0,5...10 / 0,5...10			
0,5...6 / 0,5...6			
0,5...1,5			
12 / 1,0 x 5,5 mm			

Type	Qty.	Order No.
AITB 6 BB NDT BL	50	2668730000

In accordance with IEC 60947-7-1

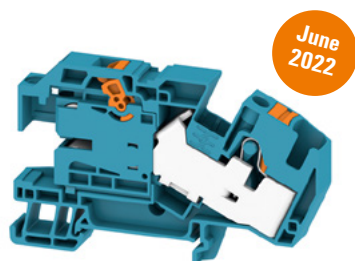
IEC	UL	CSA	EN 60079-7
250			
23			
2,5			
	4 kV / 3		
	A3 / V-0		
CE			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			

Type	Qty.	Order No.
AITB 2.5 BB NDT BL	50	2668690000

Type	Qty.	Order No.
AITB 2.5 BB NDT BL	50	2668690000

Type		Qty.	Order No.
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/3 BL	24 A	60	1527770000
ZQV 2.5N/4 BL	24 A	60	1527780000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP ITB 2.5 BB NDT BL		20	2668800000
APP ITB 2.5 BB 2C/NDT BL		20	2668870000
AEB 35 SCL/1 V0		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 MI-R	0,2 A	50	1991960000
ATPG 2.5/3	0,2 A	25	2041190000
ATPG 2.5/5	0,2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

Type		Qty.	Order No.
ZQV 6N/2 BL	41 A	60	1985830000
ZQV 6N/3 BL	41 A	60	1985840000
ZQV 6N/4 BL	41 A	60	1985850000
AEP ITB 6 BB NDT BL		20	2668830000
APP ITB 6 BB 2C/NDT BL		20	2668880000
AEB 35 SCL/1 V0		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 6 MI-R	0,2 A	50	1991930000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/8 MC NE WS		800	1856740000
DEK-A 5/8 MM WS		500	2448860000

AITB 16 BB NDT BL
16 mm²


10 x 84,6 x 52,9

72 / 16
0,5...16


In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
72			
16			
	4 kV / 3		
	A6 / V-0		
C €			
Rated connection			
0,5...16 / 0,5...10			
0,5...10 / 0,5...10			
0,75...6			
18 / 1,0 x 5,5 mm			

Type	Qty.	Order No.
AITB 16 BB NDT BL	20	2668770000

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	2497250000
AEP ITB 16 BB NDT BL	20	2668860000
APP ITB 16 BB 2C/NDT BL	20	2668890000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
WS 8/6 PLUS MC NE WS	600	1951880000
WS-A 8/10 MM WS	350	2619890000



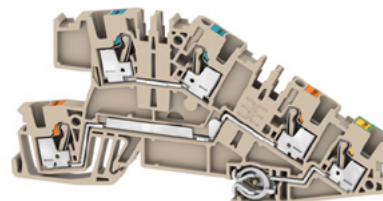
AITB 2.5 BB L

2,5 mm²



AITB 2.5 BB N-L-PE

2,5 mm²



Width/Height/Depth	mm
Max current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 103 x 50,1	
27 / 4	
0,14...4	

5,1 x 103 x 50,1	
27 / 4	
0,14...4	

Technical data

Rated data	
Rated voltage	-
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
24			
2,5			
	4 kV / 3		
	A3 / V-0		
C E			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
250			
24			
2,5			
	4 kV / 3		
	A3 / V-0		
C E			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Ordering data

Version	dark beige
Note	

Type	Qty.	Order No.
AITB 2.5 BB L	50	2668920000

Type	Qty.	Order No.
AITB 2.5 BB N-L-PE	50	2668940000

Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	blue
End bracket	
	dark beige, direct mounting
	blue, direct mounting
	blue, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

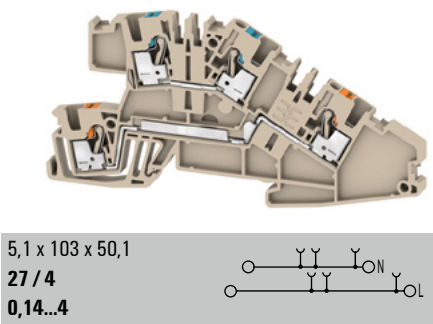
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/3	24 A	60	1527570000
ZQV 2.5N/4	24 A	60	1527590000
ZQV 2.5N/10	24 A	20	1527690000
AEP ITB 2.5 BB		20	2668960000
APP ITB 2.5 BB BL		20	2668970000
AEB 35 SCL/1 VO		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 M/R	0,2 A	50	1991960000
ATPG 2.5/3	0,2 A	25	2041190000
ATPG 2.5/5	0,2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/3	24 A	60	1527570000
ZQV 2.5N/4	24 A	60	1527590000
ZQV 2.5N/10	24 A	20	1527690000
AEP ITB 2.5 BB		20	2668960000
APP ITB 2.5 BB BL		20	2668970000
AEB 35 SCL/1 V0		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 M/R	0,2 A	50	1991960000
ATPG 2.5/3	0,2 A	25	2041190000
ATPG 2.5/5	0,2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue

AITB 2.5 BB N-L

2,5 mm²



IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
24			
2,5			
	4 kV / 3		
	A3 / V-0		
CE			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

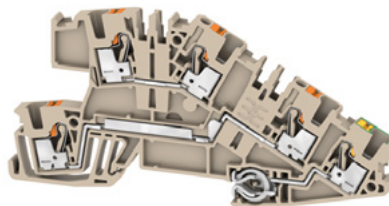
Type	Qty.	Order No.
AITB 2.5 BB N-L	50	2668910000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
ATPG 2.5/3	0,2 A 25	2041190000
ATPG 2.5/5	0,2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000



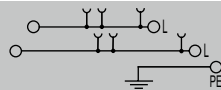
AITB 2.5 BB LL-PE

2,5 mm²



Width/Height/Depth	mm
Max current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 103 x 50,1
27 / 4
0,14...4



Technical data

Rated data	
Rated voltage	-
Rated current	A
Rated cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
24			
2,5			
	4 kV / 3		
	A3 / V-0		
C E			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Ordering data

Version
dark beige
Note

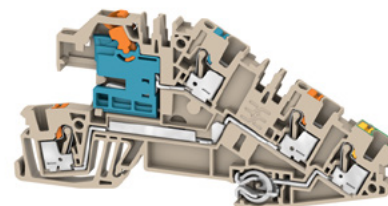
Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	blue
End bracket	
	dark beige, direct mounting
	blue, direct mounting
	blue, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

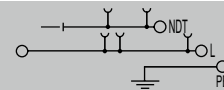
For detailed information on other accessories and application in the online catalogue

AITB 2.5 BB NDT-L-PE

2,5 mm²



5,1 x 103 x 50,1
27 / 4
0,14...4



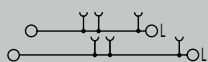
In accordance with IEC 60947-7-1, In
Anlehnung an IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
24			
2,5			
	4 kV / 3		
	A3 / V-0		
C E			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Type	Qty.	Order No.
AITB 2.5 BB NDT-L-PE	50	2668950000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/3	24 A	60	1527570000
ZQV 2.5N/4	24 A	60	1527590000
ZQV 2.5N/10	24 A	20	1527690000
AEP ITB 2.5 BB		20	2668960000
APP ITB 2.5 BB BL		20	2668970000
AEB 35 SCL/1 VO		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 MHR	0,2 A	50	1991960000
ATPG 2.5/3	0,2 A	25	2041190000
ATPG 2.5/5	0,2 A	25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6X3,5X100		1	2749140000
SSCH 10X3X1000 CU/SN	140 A	1	0348900000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

AITB 2.5 BB L-L
2,5 mm²

5,1 x 103 x 50,1
27 / 4
0,14...4


IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
24			
2,5			
	4 kV / 3		
	A3 / V-0		

CE

Rated connection

0,5...4 / 0,5...4

0,5...2,5 / 0,5...2,5

0,5...0,75

10 / 0,6 x 3,5 mm

400

250

250

Type	Qty.	Order No.
AITB 2.5 BB L-L	50	2668900000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
ATPG 2.5/3	0,2 A 25	2041190000
ATPG 2.5/5	0,2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000



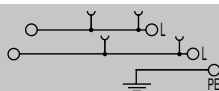
AITB 4 BB L-L-PE

4 mm²



Width/Height/Depth	mm
Max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

6,1 x 110,2 x 53,2
36 / 6
0,14...6



Technical data

Rated data	
Rated voltage	-
Max. current	A
for wire cross-section	mm ²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm ²
Flexible / Flexible with ferrule	mm ²
Twin wire-end ferrule	mm ²
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
36			
6			
	4 kV / 3		
	A4 / V-0		
C €			
Rated connection			
0,5...6 / 0,5...6			
0,5...6 / 0,5...4			
0,5...1,5			
12 / 0,6 x 3,5 mm			
400			
250			
250			
Note			

Ordering data

Version
Note

Type	Qty.	Order No.
AITB 4 BB L-L-PE	50	2669080000

Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	blue
End bracket	
	dark beige, direct mounting
	blue, direct mounting
	blue, direct mounting
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 4 MHR	0,2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/6 MM WS	600	2007120000

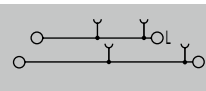
For detailed information on other accessories and application in the online catalogue

AITB 4 BB L-L

4 mm²



6,1 x 110,2 x 53,2
36 / 6
0,14...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
36			
6			
	4 kV / 3		
	A4 / V-0		
C €			
Rated connection			
0,5...6 / 0,5...6			
0,5...6 / 0,5...4			
0,5...1,5			
12 / 0,6 x 3,5 mm			
400			
250			
250			
Note			

Type	Qty.	Order No.
AITB 4 BB L-L	50	2669070000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 4 MHR	0,2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/6 MM WS	600	2007120000

AITB 4 BB NDT-L-PE
4 mm²


6,1 x 110,2 x 53,2

36 / 6
0,14...6

 In accordance with IEC 60947-7-1, In
accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
36			
6			
4 kV / 3			
A4 / V-0			

C €

Rated connection

 0,5...6 / 0,5...6
 0,5...6 / 0,5...4
 0,5...1,5
 12 / 0,6 x 3,5 mm

400

250

250

Type	Qty.	Order No.
AITB 4 BB NDT-L-PE	50	2669100000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 4 MHR	0,2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/6 MM WS	600	2007120000

AITB 4 BB N-L-PE
4 mm²


6,1 x 110,2 x 53,2

36 / 6
0,14...6

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
36			
6			
4 kV / 3			
A4 / V-0			

C €

Rated connection

 0,5...6 / 0,5...6
 0,5...6 / 0,5...4
 0,5...1,5
 12 / 0,6 x 3,5 mm

400

250

250

Type	Qty.	Order No.
AITB 4 BB N-L-PE	50	2669090000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 4 MHR	0,2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/6 MM WS	600	2007120000



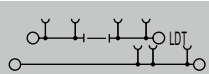
AITB 2.5 LDT-L

2,5 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 103 x 50,1
21 / 4
0,14...4



Technical data

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

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
21	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
CE ENEC			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Ordering data

Version
dark beige
without isolator, dark beige
Note

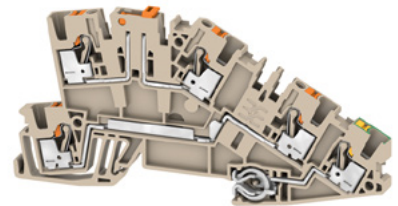
Accessories

Plug-in cross-connection	
2-pole	
3-pole	
10-pole	
End plate	
dark beige	
End bracket	
dark beige, direct mounting	
blue, direct mounting	
blue, direct mounting	
Test adapter	
1-pole	
stackable	
Screwdriver	
Standard	
Holder for cartridge fuse 5 x 20 mm	
400 V AC/DC, without LED	
10 - 36 V AC/DC, red LED	
140 - 250 V AC/DC, red LED	
Module connector (max. 250 V)	
without fittings	
Disconnect plug	
orange	
Marking tags	

For detailed information on other accessories and application in the online catalogue

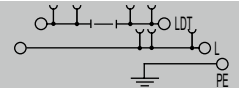
AITB 2.5 LDT-L-PE

2,5 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 103 x 50,1
21 / 4
0,14...4



IEC 60947-7-1 (-7-2)

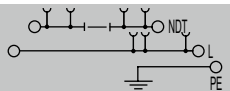
IEC	UL	CSA	EN 60079-7
250	300	300	
21	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
CE ENEC			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Type	Qty.	Order No.
AITB 2.5 LDT-L-PE	50	2669040000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MHR	0,2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6,3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
TNST OR	50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

AITB 2.5 NDT-L-PE
2,5 mm²


5,1 x 103 x 50,1
21 / 4
0,14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
21	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE ENEC

Rated connection

0,5...4 / 0,5...4

0,5...2,5 / 0,5...2,5

0,5...0,75

10 / 0,6 x 3,5 mm

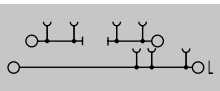
400

250

250

AITB 2.5 LDT-L W/O DTLV
2,5 mm²


5,1 x 103 x 50,1
21 / 4
0,14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
21	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE ENEC

Rated connection

0,5...4 / 0,5...4

0,5...2,5 / 0,5...2,5

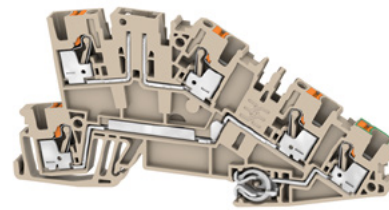
0,5...0,75

10 / 0,6 x 3,5 mm

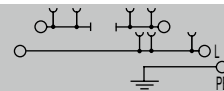
400

250

250

AITB 2.5 LDT-L-PE W/O DTLV
2,5 mm²


5,1 x 103 x 50,1
21 / 4
0,14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
21	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE ENEC

Rated connection

0,5...4 / 0,5...4

0,5...2,5 / 0,5...2,5

0,5...0,75

10 / 0,6 x 3,5 mm

400

250

250

Type	Qty.	Order No.
AITB 2.5 NDT-L-PE	50	2669030000

Type	Qty.	Order No.
AITB 2.5 LDT-L W/O DTLV	50	2668990000

Type	Qty.	Order No.
AITB 2.5 LDT-L-PE W/O DTLV	50	2669050000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6,3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
TNST OR	50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6,3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
TNST OR	50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6,3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
TNST OR	50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

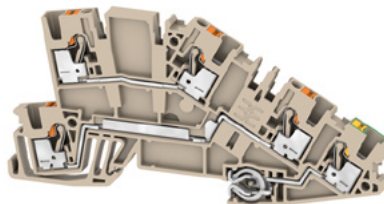
Building installation wiring

PUSH IN connection



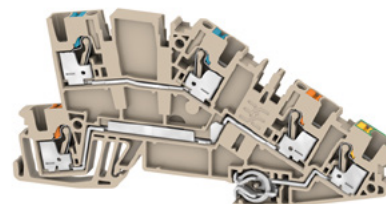
AITB 2.5 L-L-PE

2,5 mm²



AITB 2.5 N-L-PE

2,5 mm²



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5,1 x 103 x 50,1	
24 / 4	
0,14...4	

5,1 x 103 x 50,1	
24 / 4	
0,14...4	

Technical data

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

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Ordering data

Version	dark beige
Note	

Type	Qty.	Order No.
AITB 2.5 L-L-PE	50	2669010000

Type	Qty.	Order No.
AITB 2.5 N-L-PE	50	2669020000

Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	10-pole
End plate	
	dark beige
End bracket	
	dark beige, direct mounting
	blue, direct mounting
	blue, direct mounting
Test adapter	
	1-pole
	stackable
Screwdriver	
	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
Disconnect plug	
	orange
Marking tags	

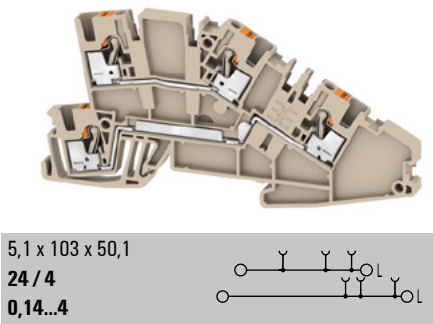
Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/3	24 A	60	1527570000
ZQV 2.5N/10	24 A	20	1527690000
AEP ITB 2.5		20	2669060000
AEB 35 SCL/1 V0		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 M-R	0,2 A	50	1991960000
SDIL 0,6X3,5X100		1	2749140000
SIHA 3/G20	6,3 A	25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
TNST OR		50	2463540000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

Type		Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/3	24 A	60	1527570000
ZQV 2.5N/10	24 A	20	1527690000
AEP ITB 2.5		20	2669060000
AEB 35 SCL/1 V0		20	2661280000
AEB ITB 16 BB BL		20	2669130000
AEB ITB 2.5/4 BB BL		20	2690440000
ATPG 1.5-10 L	0,2 A	50	1991890000
ATPG 2.5 M-R	0,2 A	50	1991960000
SDIL 0,6X3,5X100		1	2749140000
SIHA 3/G20	6,3 A	25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
TNST OR		50	2463540000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000

For detailed information on other accessories and application in the online catalogue

AITB 2.5 L-L

2,5 mm²



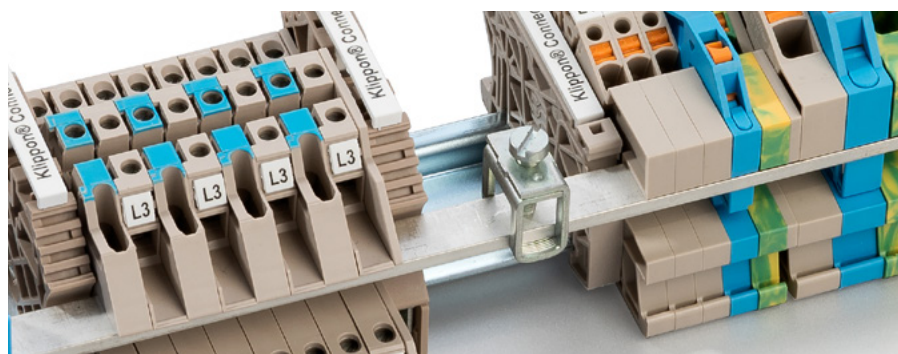
IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	20	
2,5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
CE   			
Rated connection			
0,5...4 / 0,5...4			
0,5...2,5 / 0,5...2,5			
0,5...0,75			
10 / 0,6 x 3,5 mm			
400			
250			
250			

Type	Qty.	Order No.
AITB 2.5 L-L	50	2669000000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 16 BB BL	20	2669130000
AEB ITB 2.5/4 BB BL	20	2690440000
ATPG 1.5-10 L	0,2 A 50	1991890000
ATPG 2.5 MI-R	0,2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6,3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
TNST OR	50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Feeding and tapping options for 10x3 busbar system

Clamping yoke, uninsulated



Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	
	min. 8.8	A 2/A 4-80
	[Nm]	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

for busbar 10 x 3 mm



Solid	0.5...6 mm ²
Flexible	0.5...4 mm ²
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	silver	6 mm	19 mm	14.5 mm	50	0475460000

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1...10 mm ²
Flexible	1.5...10 mm ²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	silver	7.8 mm	22.5 mm		50	0526060000

for busbar 10 x 3 mm

Also for 10 x 5 mm busbars



Solid	1.5...10 mm ²
Flexible	2.5...10 mm ²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	silver	8 mm	19.5 mm	29.1 mm	50	1261300000

for busbar 10 x 3 mm



Solid	2.5...16 mm ²
Flexible	2.5...16 mm ²
Stranded	16...25 mm ²
Clamping screw	M 4
Stripping length	16 mm

ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	silver	9 mm	19 mm	20 mm	50	0502960000

for busbar 10 x 3 mm

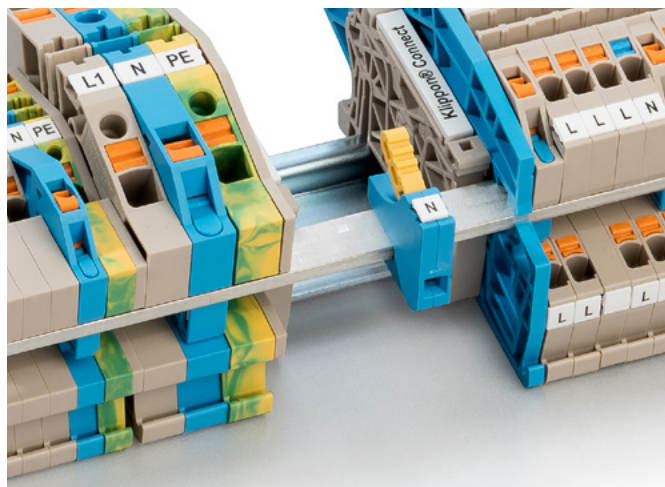
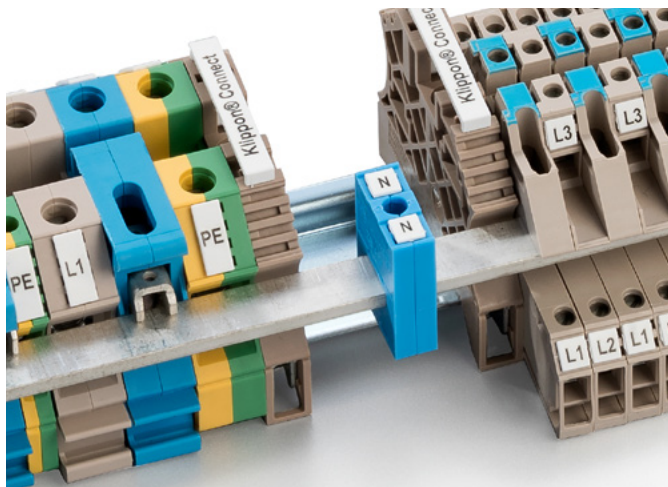


Solid	16...16 mm ²
Flexible	16...35 mm ²
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	silver	14 mm	32 mm	8.6 mm	50	0502780000

Clamping yoke, insulated



for busbar 10 x 3 mm



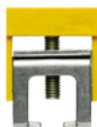
Solid	0.5...6 mm ²
Flexible	...
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	silver	6 mm	19 mm	20.4 mm	50	0475360000

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1...10 mm ²
Flexible	1.5...10 mm ²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	yellow, green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	black	8 mm	22.5 mm	19.5 mm	50	0525910000

for busbar 10 x 3 mm



Solid	2.5...16 mm ²
Flexible	2.5...16 mm ²
Stranded	16...25 mm ²
Clamping screw	M 4
Stripping length	16 mm

ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	silver	10 mm	19 mm	26.8 mm	50	0502860000

for busbar 10 x 3 mm



Solid	16...16 mm ²
Flexible	16...35 mm ²
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	silver	14 mm	32 mm	34 mm	20	0502610000

for busbar 10 x 3 mm

Tension clamp connection

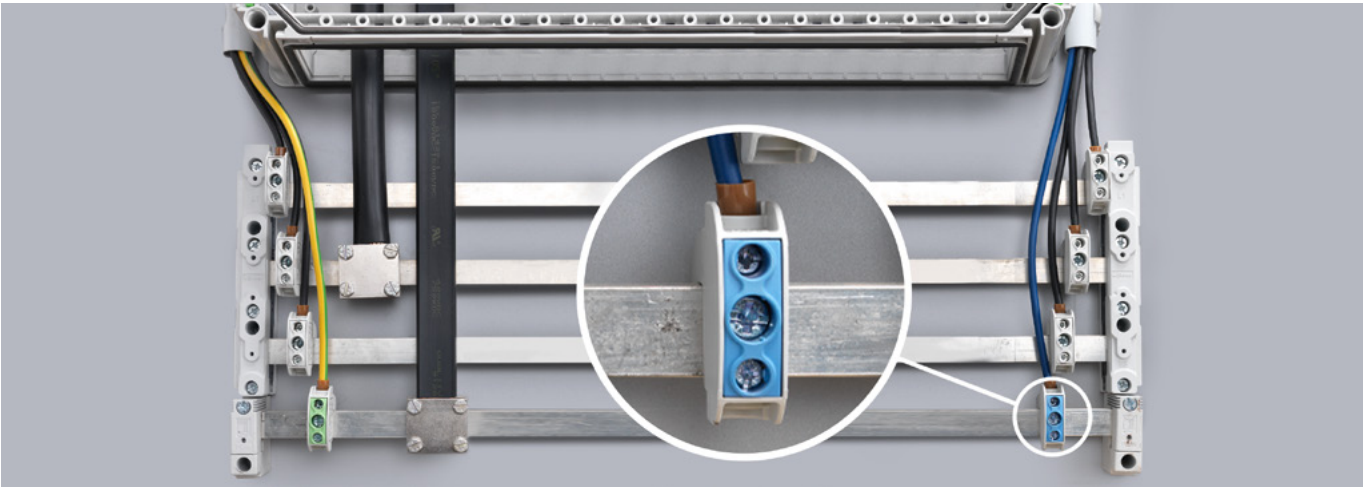


Solid	0.5...4 mm ²
Flexible	0.5...2.5 mm ²
Stranded	...
Clamping screw	
Stripping length	10 mm

ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	silver	6.1 mm	24.5 mm	22 mm	50	1814670000

Clamping yoke, insulated



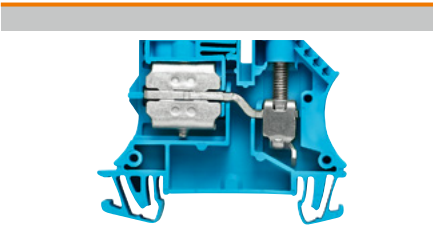
End cap for TS 35



End cap for TS 35

Type	Permitted thermal current for PEN function, max.	Height	Length	Qty.	Order No.
End cap TS 35 x 7.5					
TS END CAP 35X7.5		37.5 mm		100	1283470000
End cap TS 35 x 15					
TS END CAP 35X15		37.5 mm		100	1283480000

Installation terminal block WNT - Compatible with PUSH IN terminal blocks AITB



Type	Cross-section	Rated current	Qty.	Order No.
WNT 2.5 10X3	2.5 mm²	24 A	100	1010680000
WNT 4 10X3	4 mm²	32 A	100	1010780000
WNT 6 10X3	6 mm²	41 A	50	1010880000
WNT 10 10X3	10 mm²	57 A	50	1010980000
WNT 16N 10X3	16 mm²	76 A	50	1019000000
WNT 35N 10X3	35 mm²	125 A	20	1718550000
WNT 70N 10X3	70 mm²	140 A	10	9512210000

Busbars, unslotted



SSch

Type	Material	Cross-section	Rated current	Qty.	Order No.
SSCH 10X3X1000 CU/SN	Copper	10 x 3 mm	140 A	1	0348900000

Further products for building installation



Main line branch terminals WPD

- Self-extinguishing, halogen-free plastic housing
- Finger safe as per EN 50274
- Multi-pole (up from 2-pole) horizontal and vertical mounting possibility
- Connection of aluminium conductors



www.weidmueller.com/INSTA



Power feed-in terminal blocks WPD

- Finger safe as per EN 50274
- Integrated 10 mm² additional voltage tap for emergency power supply
- Connection of aluminium conductors
- Self-extinguishing, halogen-free plastic housing



www.weidmueller.com/INSTA

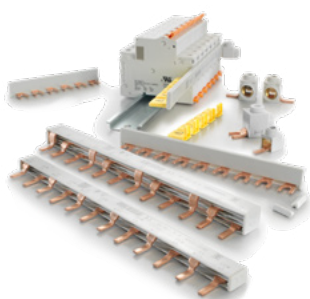


Potential distribution blocks WPD

- Connection of aluminium conductors
- Self-extinguishing, halogen-free plastic housing
- Finger safe as per EN 50274
- Connection description with letters and numbers



www.weidmueller.com/INSTA



Phase rails with pin and fork contact

- Finger-safe and VDE-qualified potential distribution solution
- Wide range for all common pole numbers and lengths
- End caps for high finger safety even after cutting to the required number of poles
- Choice of three feed directions with only one feed terminal



www.weidmueller.com/INSTA



Lightning and surge protection for data and signals

- Reliable protection for energy systems, for instrumentation and control, and for data interfaces
- Special variants for the most common industrial data systems
- A visual and electrical signaling function
- Easy marking



www.weidmueller.com/varitector



INSTA-POWER for power supply

- Large power spectrum and compact design
- International approvals
- Temperature range from -25 °C to +70 °C
- Wide input voltage range



www.weidmueller.com/pro-insta



Lightning and surge protection for energy systems

- Fuseless operation up to 315 A
- Prewarning indicator with remote signalling contact
- Certified components according to VDE and UL
- Easy assembly and installation



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Relay modules and timing relay

- KITs consisting of relay, socket and retaining clip, 100 % function tested
- Suitable accessories from the cross-connection to the marker
- Compliance with international standards according to EN 61812
- Simple configuration via rotary switches



www.weidmueller.com/klipponrelay

Weidmüller – Your partner in 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 Industrial Connectivity.

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