

AITB 16 BB 2C BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Version	Multi level installation terminal block, PUSH IN, 16 mm ² , 800 V, 76 A, Number of connections: 2, Number of levels: 1, blue
Order No.	2668750000
Type	AITB 16 BB 2C BL
GTIN (EAN)	4064675266235
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	52.9 mm	Depth (inches)	2.083 inch
Height	84.6 mm	Height (inches)	3.331 inch
Width	10 mm	Width (inches)	0.394 inch
Net weight	28 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	blue
Colour of operational elements	orange	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Snap-on	Yes	Type of mounting	Snap-on
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Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	0.5 mm ²	Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min.	10 mm ²	Gauge to IEC 60947-1	A6
Number of connections	2	Stripping length	18 mm
Twin wire-end ferrules, max.	6 mm ²	Twin wire-end ferrules, min.	0.75 mm ²
Type of connection	PUSH IN	Wire connection cross section AWG, max.	AWG 4
Wire connection cross section AWG, min.	AWG 18	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 18

Creation date July 5, 2024 1:26:20 AM CEST

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Technical data

Rating data

Rated cross-section	16 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	76 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3	Surge voltage category	III

Classifications

ETIM 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ECLASS 9.0	27-14-11-25	ECLASS 9.1	27-14-11-25
ECLASS 10.0	27-14-11-25	ECLASS 11.0	27-14-11-25
ECLASS 12.0	27-14-11-25	ECLASS 13.0	27-25-01-10

Environmental Product Compliance

REACH SVHC

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Approvals

Approvals



Downloads

Approval/Certificate/Document of Conformity

[CE Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Tender specification

[Ausschreibungstext AITB 16 BB 2C BL](#)

User Documentation

[AITB 16 + ZQV 10_DE](#)
[AITB 16 + ZQV 10_EN](#)

Catalogues

[Catalogues in PDF-format](#)

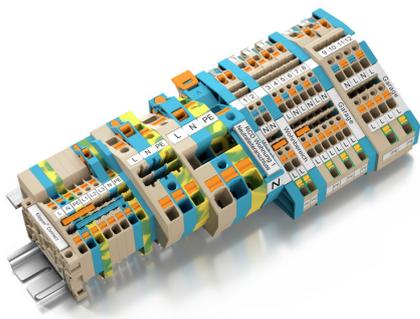
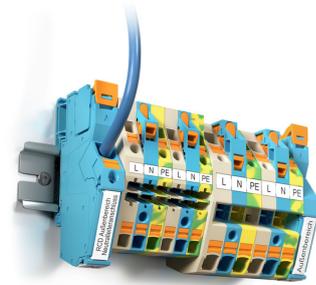
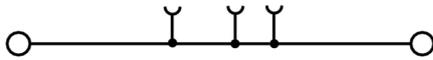
Data sheet

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Drawings



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Accessories

Copper



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

General ordering data

Type	SSCH 10X3X1000 CU/SN	Version	
Order No.	0348900000	Busbar (terminal)	
GTIN (EAN)	4008190024802		
Qty.	1 m		

Additional accessories



No task is too small when creating the perfect solution.

Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but essential details:

- Test plugs ensure reliable pick-up from diagnostic sockets

In tandem with the manufacturing process and application.

General ordering data

Type	PS 2.0 MC	Version	Product data	Packaging
Order No.	0310000000	PCB plug-in connector, Accessories, Test plug, red, Number of poles: 1		Box
GTIN (EAN)	4008190000059			
Qty.	20 pc(s).			

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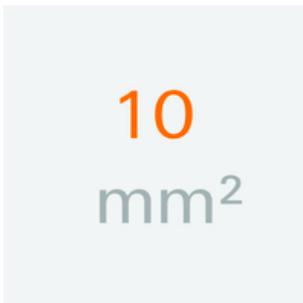
Accessories

16 mm²**Building installation wiring**

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General ordering data

Type	AITB 16 BB NLO BL	Version
Order No.	2669140000	Multi level installation terminal block, PUSH IN, 16 mm ² , 1000 V, 76
GTIN (EAN)	4064675266372	A, Number of connections: 2, Number of levels: 1, blue
Qty.	20 pc(s).	

10 mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 10N/2	Version
Order No.	2497250000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118509144	(P): 10.00, 57 A, orange
Qty.	25 pc(s).	

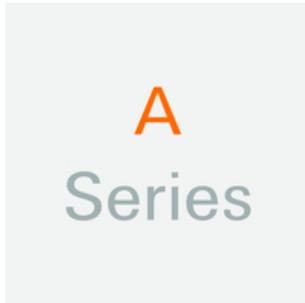
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Accessories

A-Series

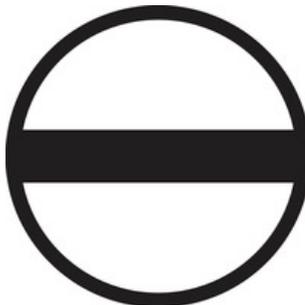
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General ordering data

Type	APP ITB 16 BB 2C/NDT BL	Version
Order No.	2668890000	A-series, End plate
GTIN (EAN)	4064675266297	
Qty.	20 pc(s).	

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm
GTIN (EAN)	4050118895605	
Qty.	1 pc(s).	

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Accessories

16 mm²



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General ordering data

Type	AEP ITB 16 BB 2C BL	Version
Order No.	2668850000	A-series, End plate
GTIN (EAN)	4064675266273	
Qty.	20 pc(s).	
Type	AEP ITB 16 BB 2C	Version
Order No.	2668840000	A-series, End plate
GTIN (EAN)	4064675266266	
Qty.	20 pc(s).	

A-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SCL/1 VO	Version
Order No.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 VO GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	
Type	AEB 35 SCL/1 VO BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	

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Accessories

WS 8/10

**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS-A 8/10 MM WS	Version
Order No.	2619890000	WS, Terminal marker, 8 x 10 mm, Weidmueller, white
GTIN (EAN)	4050118626193	
Qty.	350 pc(s).	

Blank

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 7.8/9.2 PLUS MC NE GR	Version
Order No.	1208970000	WS, Terminal marker, 7.8 x 9.2 mm, Pitch in mm (P): 9.20
GTIN (EAN)	4032248990092	Weidmueller, grey
Qty.	360 pc(s).	

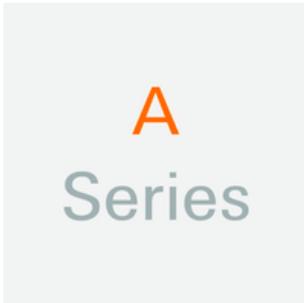
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Accessories

A-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	ATPG 1.5-10 L	Version
Order No.	1991890000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4050118376647	
Qty.	50 pc(s).	