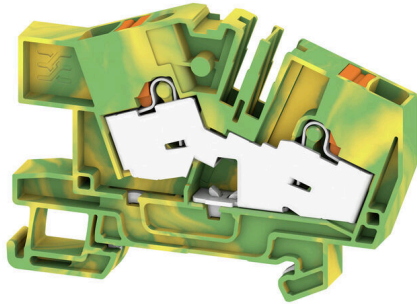


**AITB 6 BB 2C PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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	PE terminal, PUSH IN, Green/yellow, 6 mm <sup>2</sup> , 800 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	<a href="#">2668720000</a>
Type	AITB 6 BB 2C PE
GTIN (EAN)	4064675030386
Qty.	50 items

## AITB 6 BB 2C PE

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Germany

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	52.9 mm	Depth (inches)	2.0827 inch
Height	76.6 mm	Height (inches)	3.0157 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	20 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Material data

Basic material	Wemid	Colour	Green/yellow
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	Number of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
N-function	No	PE function	Yes
PEN function	No		

## Additional technical data

Open sides	right	Snap-on	Yes
Type of fixing	TS 35	Explosion-tested version	No
Type of mounting	TS 35		

## Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	top	Stripping length	12 mm
Type of connection	PUSH IN	Number of connections	2
Clamping range, max.	10 mm <sup>2</sup>	Clamping range, min.	0.34 mm <sup>2</sup>

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## Technical data

Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.34 mm <sup>2</sup>
Connection cross-section, stranded, max.	10 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.34 mm <sup>2</sup>
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>	Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.34 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.34 mm <sup>2</sup>		

### General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-2	Mounting rail	TS 35

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated DC voltage	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	8 kV	Surge voltage category	III
Pollution severity	3		

### Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

Drawings



## AITB 6 BB 2C PE

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## Accessories

### End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

#### General ordering data

Type	AEP ITB 6 BB 2C	Version
Order No.	<a href="#">2668810000</a>	A-series, End plate
GTIN (EAN)	4064675030430	
Qty.	20 ST	
Type	APP ITB 6 BB 2C/NDT BL	Version
Order No.	<a href="#">2668880000</a>	A-series, Partition plate
GTIN (EAN)	4064675030478	
Qty.	20 ST	

### End bracket



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 SC/1	Version
Order No.	<a href="#">1991920000</a>	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 ST	
Type	AEB 35 SCL/1 V0	Version
Order No.	<a href="#">2661280000</a>	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 ST	

## AITB 6 BB 2C PE

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## Accessories

## Testadapter and testsockets



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.	<a href="#">1991890000</a>	Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 0.2 A
GTIN (EAN)	4050118376647	
Qty.	50 ST	
Type	ATPG 6 MI-R	Version
Order No.	<a href="#">1991930000</a>	Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 0.2 A
GTIN (EAN)	4050118376555	
Qty.	50 ST	

## 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
Order No.	<a href="#">0310000000</a>	PCB plug-in connector, Accessories, Test plug, red, Number of poles:
GTIN (EAN)	4008190000059	1
Qty.	20 ST	

## Busbars



With our bus bars in various materials and the associated accessories, you can connect cables in the smallest installation space. Depending on the application, potentials can be collected, distributed or dissipated.

## AITB 6 BB 2C PE

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## Accessories

## General ordering data

Type	SSCH 10X3X1000 CU/SN	Version	
Order No.	<a href="#">0348900000</a>	Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper	
GTIN (EAN)	4008190024802		
Qty.	25 M		

## DEK 5/8



## 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	DEK-A 5/8 MM WS	Version	
Order No.	<a href="#">2448860000</a>	Dekafix, Terminal marker, 5 x 8.1 mm, Weidmueller, white	
GTIN (EAN)	4050118462968		
Qty.	500 ST		

## WS 8/8



## WS/ DEK

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## AITB 6 BB 2C PE

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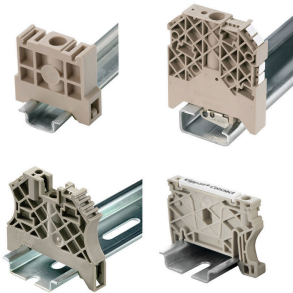
www.weidmueller.com

## Accessories

## General ordering data

Type	WS-A 8/8 MM WS	Version	
Order No.	<a href="#">2448930000</a>	WS, Terminal marker, 8 x 8.1 mm, Weidmueller, white	
GTIN (EAN)	4050118462982		
Qty.	500 ST		

## End bracket



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 V0 BK	Version	
Order No.	<a href="#">2661300000</a>	A-series, End bracket	
GTIN (EAN)	4050118702187		
Qty.	20 ST		
Type	AEB 35 SCL/1 V0 GY	Version	
Order No.	<a href="#">2661290000</a>	A-series, End bracket	
GTIN (EAN)	4050118702170		
Qty.	20 ST		

## 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.	<a href="#">2749380000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118895605		
Qty.	1 ST		

## AITB 6 BB 2C PE

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## Accessories

### Cross-connections

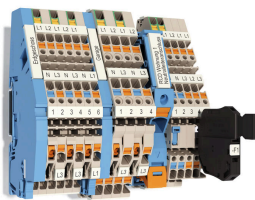


The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### General ordering data

Type	ZQV 6N/10	Version
Order No.	<a href="#">2733970000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4064675066811	10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
Qty.	20 ST	
Type	ZQV 6N/6	Version
Order No.	<a href="#">2733950000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4064675066699	6, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
Qty.	20 ST	
Type	ZQV 6N/7	Version
Order No.	<a href="#">2733960000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4064675066804	7, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
Qty.	20 ST	

### Installation terminal blocks



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### General ordering data

Type	AITB 16 BB NLO BL	Version
Order No.	<a href="#">2669140000</a>	Multi level installation terminal block, PUSH IN, blue, 16 mm <sup>2</sup> , 76 A,
GTIN (EAN)	4064675266372	1000 V, Number of connections: 2, Number of levels: 1
Qty.	20 ST	

### Cross-connections



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### General ordering data

Type	ZQV 6N/10 BL	Version
Order No.	<a href="#">2786910000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 10,
GTIN (EAN)	4064675064602	Pitch in mm (P): 8.00, Insulated: Yes, Width: 78.7 mm
Qty.	20 ST	
Type	ZQV 6N/2	Version
Order No.	<a href="#">1985740000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4050118370362	2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 13.7 mm
Qty.	60 ST	
Type	ZQV 6N/3	Version
Order No.	<a href="#">1985760000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4050118370263	3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 21.8 mm
Qty.	60 ST	
Type	ZQV 6N/3 BL	Version
Order No.	<a href="#">1985840000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 3,
GTIN (EAN)	4050118370379	Pitch in mm (P): 8.00, Insulated: Yes, Width: 21.8 mm
Qty.	60 ST	
Type	ZQV 6N/4	Version
Order No.	<a href="#">1985780000</a>	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles:
GTIN (EAN)	4050118370287	4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 29.9 mm
Qty.	60 ST	
Type	ZQV 6N/4 BL	Version
Order No.	<a href="#">1985850000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 4,
GTIN (EAN)	4050118370447	Pitch in mm (P): 8.00, Insulated: Yes, Width: 29.9 mm
Qty.	60 ST	
Type	ZQV 6N/6 BL	Version
Order No.	<a href="#">2786890000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 6,
GTIN (EAN)	4064675064572	Pitch in mm (P): 8.00, Insulated: Yes, Width: 46.3 mm
Qty.	20 ST	
Type	ZQV 6N/7 BL	Version
Order No.	<a href="#">2786900000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 7,
GTIN (EAN)	4064675064596	Pitch in mm (P): 8.00, Insulated: Yes, Width: 54.4 mm
Qty.	20 ST	
Type	ZQV 6N/2 BL	Version
Order No.	<a href="#">1985830000</a>	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 2,
GTIN (EAN)	4050118370232	Pitch in mm (P): 8.00, Insulated: Yes, Width: 13.7 mm
Qty.	60 ST	

## AITB 6 BB 2C PE

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## Accessories

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### Testadapter and testsockets



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### General ordering data

Type	FZS 2/4 RT/80 SAKT4	Version	
Order No.	<a href="#">1276300000</a>	Plug (terminal), Plug-in connection, 2 mm <sup>2</sup> , Number of connections: 2,	
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm	
Qty.	20 ST		