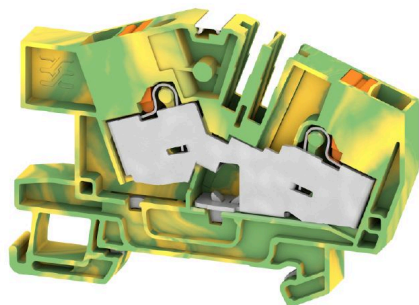


AITB 6 BB 2C PE DL**Weidmüller Interface GmbH & Co. KG**

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 | PE terminal, PUSH IN, Green/yellow, 6 mm², 800 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid |
| Order No. | 2782470000 |
| Type | AITB 6 BB 2C PE DL |
| GTIN (EAN) | 4064675058557 |
| Qty. | 50 items |

AITB 6 BB 2C PE DL

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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 | 26.39 g | | |

Temperatures

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

| | | | |
|--------------------------|-----|------------------|-------|
| 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)

| | | | |
|---|----------------------|---|--------------------|
| 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 ² |
| Clamping range, min. | 0.34 mm ² | Wire connection cross section AWG, min. | AWG 22 |

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Technical data

| | | | |
|---|----------------------|---|----------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.34 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.34 mm ² |
| Wire connection cross section, finely stranded, max. | 10 mm ² | Wire connection cross section, finely stranded, min. | 0.34 mm ² |
| Connection cross-section, stranded, max. | 10 mm ² | Connection cross-section, stranded, min. | 0.34 mm ² |
| Wire connection cross-section, solid core, max. | 10 mm ² | Wire connection cross-section, solid core, min. | 0.34 mm ² |
| Connection cross-section, finely stranded, min. | 0.34 mm ² | | |

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 |

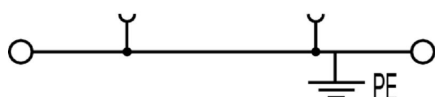
Rating data

| | | | |
|-------------------------------------|-------------------|--|---------|
| Rated cross-section | 6 mm ² | 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 |
| 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 DL

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Accessories

End plates and partition plates

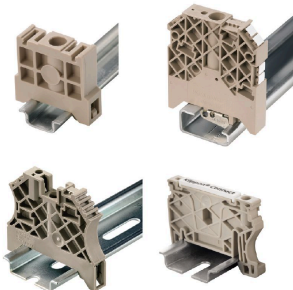


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row 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. | 2668810000 | A-series, End plate |
| GTIN (EAN) | 4064675030430 | |
| Qty. | 20 ST | |
| Type | APP ITB 6 BB 2C/NDT BL | Version |
| Order No. | 2668880000 | 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. | 1991920000 | A-series, End bracket |
| GTIN (EAN) | 4050118376722 | |
| Qty. | 50 ST | |
| Type | AEB 35 SCL/1 V0 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 ST | |

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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. | 1991890000 | Test adapter (terminal), 1.5 mm², 250 V, 0.2 A |
| GTIN (EAN) | 4050118376647 | |
| Qty. | 50 ST | |
| Type | ATPG 6 MI-R | Version |
| Order No. | 1991930000 | Test adapter (terminal), 1.5 mm², 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. | 0310000000 | 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.

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Accessories

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SSCH 10X3X1000 CU/SN | Version |
| Order No. | 0348900000 | 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. | 2448860000 | 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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- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
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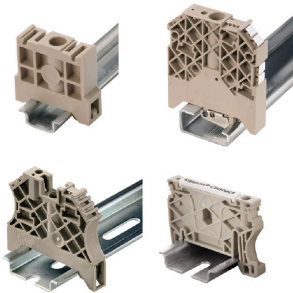
www.weidmueller.com

Accessories

General ordering data

| | | |
|------------|----------------------------|---|
| Type | WS-A 8/8 MM WS | Version |
| Order No. | 2448930000 | 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. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 ST | |
| Type | AEB 35 SCL/1 V0 GY | Version |
| Order No. | 2661290000 | 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. | 2749380000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm |
| GTIN (EAN) | 4050118895605 | |
| Qty. | 1 ST | |

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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. | 2733970000 | 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. | 2733950000 | 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. | 2733960000 | 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



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, blue, 16 mm², 76 A, |
| GTIN (EAN) | 4064675266372 | 1000 V, Number of connections: 2, Number of levels: 1 |
| Qty. | 20 ST | |

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZQV 6N/10 BL | Version |
| Order No. | 2786910000 | 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. | 1985740000 | 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. | 1985760000 | 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. | 1985840000 | 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. | 1985780000 | 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. | 1985850000 | 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. | 2786890000 | 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. | 2786900000 | 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. | 1985830000 | 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 | |