

AITB 16 BB 2C PE**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, 16 mm², 800 V, Number of connections: 2, Number of levels: 1, Green/yellow, orange |
| Order No. | 2668760000 |
| Type | AITB 16 BB 2C PE |
| GTIN (EAN) | 4064675266242 |
| 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 | 44.077 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 | 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 | Rail | TS 35 |
| N-function | No | PE function | Yes |
| PEN function | No | | |

Additional technical data

| | | | |
|--------------------------|-------|------------------|-------|
| Explosion-tested version | No | Snap-on | Yes |
| Type of fixing | TS 35 | Type of mounting | TS 35 |

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 | Connection direction | top |
| 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 |
| Type of connection 2 | Busbar connection | 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 | | |

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Technical data
General

| | | | |
|---|-------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 18 |

Rating data

| | | | |
|-------------------------------------|--------------------|--|---------|
| Rated cross-section | 16 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 | 0.42 mΩ |
| Rated impulse withstand voltage | 8 kV | Pollution severity | 3 |
| Surge voltage category | III | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ECLASS 9.0 | 27-14-11-41 | ECLASS 9.1 | 27-14-11-41 |
| ECLASS 10.0 | 27-14-11-41 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-03 |

Approvals

Approvals


Downloads

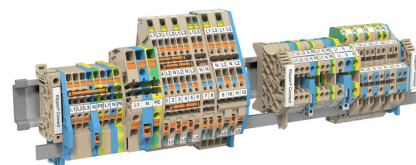
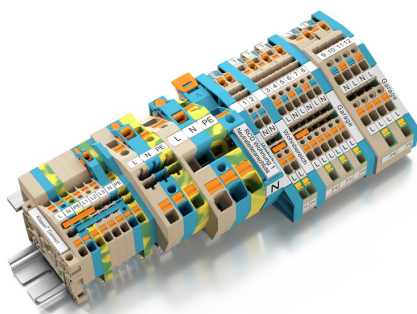
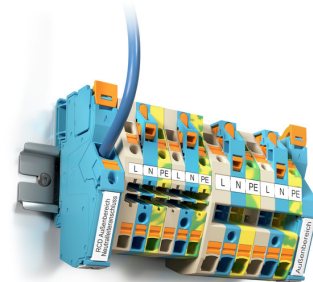
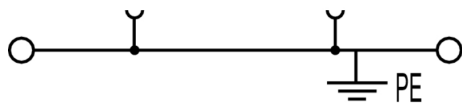
| | |
|---|--|
| Approval/Certificate/Document of Conformity | CE Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Tender specification | Ausschreibungstext AITB 16 BB 2C PE |
| User Documentation | AITB 16 + ZQV 10_DE AITB 16 + ZQV 10_EN |
| Catalogues | Catalogues in PDF-format |

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Drawings



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Accessories

Blank



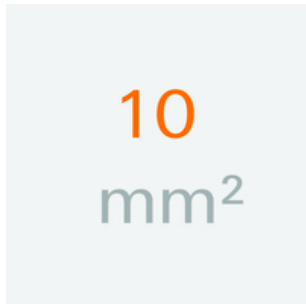
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, 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). | |

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). | |

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 V0 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 pc(s). | |
| Type | AEB 35 SCL/1 V0 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 V0 BK | Version |
| Order No. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 pc(s). | |

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Accessories

16 mm²

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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). | |

16 mm²

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General ordering data

| | | |
|------------|----------------------------|---------------------|
| Type | AEP ITB 16 BB 2C | Version |
| Order No. | 2668840000 | A-series, End plate |
| GTIN (EAN) | 4064675266266 | |
| 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). | |

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 mm², 250 V, 0.2 A |
| GTIN (EAN) | 4050118376647 | |
| Qty. | 50 pc(s). | |

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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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www.weidmueller.com**Accessories****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 |
| GTIN (EAN) | 4050118895605 | thickness (A): 1 mm |
| Qty. | 1 pc(s). | |