# AITB 4 BB NDT-L-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 | Multi level installation terminal block, PUSH IN, 4 mm², 250 V, 30 A, Number of connections: 5, Number of levels: 3, dark beige |
| Order No. | 2669100000 |
| Type | AITB 4 BB NDT-L-PE |
| GTIN (EAN) | 4064675266334 |
| Qty. | 25 pc(s). |

# AITB 4 BB NDT-L-PE

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 53.2 mm | Depth (inches) | 2.094 inch |
| Height | 110.2 mm | Height (inches) | 4.339 inch |
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Net weight | 24.811 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 | dark beige |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

### System specifications

| | | | |
|---|---|---|---|
| End cover plate required | Yes | Number of potentials | 3 |
| Number of levels | 3 | Number of clamping points per level | 2 |
| Rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

### Additional technical data

| | | | |
|---|---|---|---|
| Open sides | right | Snap-on | Yes |
| Type of mounting | Snap-on | | |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Blade size | 0.6 x 3.5 mm | | |
| Clamping range, max. | 6 mm² | | |
| Clamping range, min. | 0.14 mm² | | |
| Connection cross-section, stranded, max. | 6 mm² | | |
| Connection cross-section, stranded, min. | 0.5 mm² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A4 | | |
| Number of connections | 5 | | |
| Stripping length | 12 mm | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1.5 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 4 mm² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |

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# Technical data

| | | | |
|---|---|---|---|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 7 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 9 mm |
| | | max. | 15 mm |
| | Cross-section for conductor connection | nominal | 4 mm² |
| Twin wire-end ferrules, max. | 1.5 mm² | | |
| Twin wire-end ferrules, min. | 0.5 mm² | | |
| Type of connection | PUSH IN | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| Wire connection cross section, finely stranded, max. | 6 mm² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² | | |
| Wire connection cross-section, solid core, max. | 6 mm² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm² | | |

### General

| | | | |
|---|---|---|---|
| Rail | TS 35 | Standards | In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 4 mm² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Rated current | 30 A |
| Current at maximum wires | 36 A | Standards | In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2 |
| Rated impulse withstand voltage | 4 kV | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| Rated voltage (L / L) | 400 V | Rated voltage (L / N) | 250 V |
| Rated voltage (L / PE) | 250 V | Pollution severity | 3 |
| Surge voltage category | III | | |

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## Technical data

### 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 |

### Approvals

Approvals

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CE Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Tender specification | Ausschreibungstext AITB 4 BB NDT-L-PE |
| Catalogues | Catalogues in PDF-format |

## AITB 4 BB NDT-L-PE

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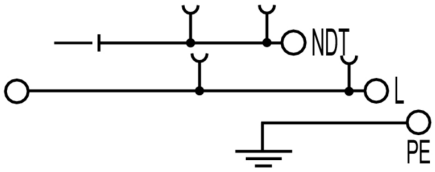
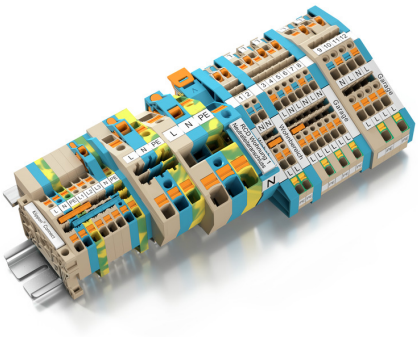
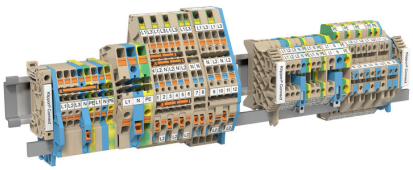
## Drawings







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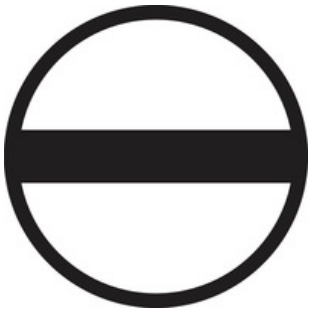
## Accessories

### Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

### General ordering data

| | | |
|---|---|---|
| Type | SDIS SLIM 0.6X3.5X100 | Version |
| Order No. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm |
| GTIN (EAN) | 4050118896350 | |
| Qty. | 1 pc(s). | |

### DEK 5/6

**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 5/6 MM WS | Version |
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 pc(s). | |

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## Accessories

### 4 mm²

**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

| | | |
|---|---|---|
| Type | AEP ITB 4 BB | Version |
| Order No. | 2669110000 | A-series, End plate |
| GTIN (EAN) | 4064675266341 | |
| Qty. | 20 pc(s). | |

### A-Series

**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

| | | |
|---|---|---|
| Type | APP ITB 4 BB BL | Version |
| Order No. | 2669120000 | A-series, End plate |
| GTIN (EAN) | 4064675266358 | |
| Qty. | 20 pc(s). | |

# AITB 4 BB NDT-L-PE

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## Accessories

### 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). | |

### 4 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 4N/9 | Version |
| Order No. | 1528070000 | Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm |
| GTIN (EAN) | 4050118332797 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/30 | Version |
| Order No. | 2561580000 | Cross-connector (terminal), Plugged, Number of poles: 30, Pitch in mm |
| GTIN (EAN) | 4050118570113 | (P): 6.10, 32 A, orange |
| Qty. | 5 pc(s). | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 4N/30 BL | Version |
| Order No. | 2561610000 | Cross-connector (terminal), Plugged, Number of poles: 30, Pitch in mm |
| GTIN (EAN) | 4050118569971 | (P): 6.10, 32 A, blue |
| Qty. | 5 pc(s). | |
| Type | ZQV 4N/4 | Version |
| Order No. | 1527970000 | Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm |
| GTIN (EAN) | 4050118332889 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/5 BL | Version |
| Order No. | 1528140000 | Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm |
| GTIN (EAN) | 4050118333015 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/50 BL | Version |
| Order No. | 1528240000 | Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm |
| GTIN (EAN) | 4050118333121 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 5 pc(s). | |
| Type | ZQV 4N/8 BL | Version |
| Order No. | 1528190000 | Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm |
| GTIN (EAN) | 4050118332858 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/6 | Version |
| Order No. | 1527990000 | Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm |
| GTIN (EAN) | 4050118332919 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/2 | Version |
| Order No. | 1527930000 | Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm |
| GTIN (EAN) | 4050118332766 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/2 BL | Version |
| Order No. | 1528040000 | Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm |
| GTIN (EAN) | 4050118332773 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/10 | Version |
| Order No. | 1528090000 | Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm |
| GTIN (EAN) | 4050118332896 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/7 | Version |
| Order No. | 1528020000 | Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm |
| GTIN (EAN) | 4050118332780 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/50 | Version |
| Order No. | 1528130000 | Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm |
| GTIN (EAN) | 4050118332902 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 5 pc(s). | |
| Type | ZQV 4N/10 BL | Version |
| Order No. | 1528230000 | Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm |
| GTIN (EAN) | 4050118333138 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/4 BL | Version |
| Order No. | 1528120000 | Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm |
| GTIN (EAN) | 4050118332872 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 60 pc(s). | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 4N/3 BL | Version |
| Order No. | 1528080000 | Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm |
| GTIN (EAN) | 4050118333008 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/6 BL | Version |
| Order No. | 1528170000 | Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm |
| GTIN (EAN) | 4050118332926 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/3 | Version |
| Order No. | 1527940000 | Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm |
| GTIN (EAN) | 4050118332865 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/5 | Version |
| Order No. | 1527980000 | Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm |
| GTIN (EAN) | 4050118332759 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/32 | Version |
| Order No. | 2561670000 | Cross-connector (terminal), Plugged, Number of poles: 32, Pitch in mm |
| GTIN (EAN) | 4050118570175 | (P): 6.00, Insulated: Yes, 32 A, orange |
| Qty. | 5 pc(s). | |
| Type | ZQV 4N/8 | Version |
| Order No. | 1528030000 | Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm |
| GTIN (EAN) | 4050118332841 | (P): 6.10, Insulated: Yes, 32 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/7 BL | Version |
| Order No. | 1528180000 | Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm |
| GTIN (EAN) | 4050118333114 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 4N/9 BL | Version |
| Order No. | 1528220000 | Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm |
| GTIN (EAN) | 4050118333107 | (P): 6.10, Insulated: Yes, 32 A, blue |
| Qty. | 20 pc(s). | |

### 16 mm²

**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

| | | |
|---|---|---|
| Type | AITB 16 BB NLO BL | Version |
| Order No. | 2669140000 | Multi level installation terminal block, PUSH IN, 16 mm², 1000 V, 76 |
| GTIN (EAN) | 4064675266372 | A, Number of connections: 2, Number of levels: 1, blue |
| Qty. | 20 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 4 MI-R | Version |
| Order No. | 1991860000 | Test adapter (terminal), 1.5 mm², 250 V, 0.2 A |
| GTIN (EAN) | 4050118376661 | |
| Qty. | 50 pc(s). | |
| 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). | |

### 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 | |

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## Accessories

### Additional accessories

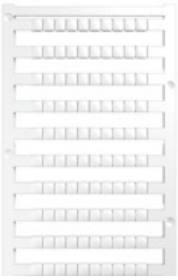
**No task is too small when creating the perfect solution.**
Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.
A system is not a system without small but essential details:
- 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). | | | |

### Plus



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**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 | DEK 5/5 PLUS MC NE WS | Version |
|---|---|---|
| Order No. | 1854490000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393596 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |