Data sheet

# AITB 4 BB L-L

**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, dark beige, 4 mm², 30 A, 400 V, Number of connections: 4, Number of levels: 2 |
| Order No. | 2669070000 |
| Type | AITB 4 BB L-L |
| GTIN (EAN) | 4064675266303 |
| Qty. | 25 items |

# Data sheet

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 53.2 mm | Depth (inches) | 2.0945 inch |
| Height | 110.2 mm | Height (inches) | 4.3386 inch |
| Width | 6.1 mm | Width (inches) | 0.2402 inch |
| Net weight | 21.79 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -60 °C...85 °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% | |
| Product Carbon Footprint | Cradle to gate | 0.255 kg CO2 eq. |

### Material data

| | | | |
|---|---|---|---|
| Basic 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 | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

### Additional technical data

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

### Conductors for clamping (rated connection)

| | |
|---|---|
| Gauge to IEC 60947-1 | A4 |
| Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | top |
| Stripping length | 12 mm |
| Type of connection 2 | PUSH IN |
| Type of connection | PUSH IN |
| Number of connections | 4 |
| Clamping range, max. | 6 mm² |

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| | | | |
|---|---|---|---|
| Clamping range, min. | 0.14 mm² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| 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. | 0.14 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. | 0.14 mm² | | |
| Wire connection cross-section, finely stranded, max. | 6 mm² | | |
| Wire connection cross section, finely stranded, min. | 0.14 mm² | | |
| Connection cross-section, stranded, max. | 6 mm² | | |
| Connection cross-section, stranded, min. | 0.14 mm² | | |
| Twin wire-end ferrules, max. | 1.5 mm² | | |
| Twin wire-end ferrules, min. | 0.5 mm² | | |
| Wire connection cross-section, solid core, max. | 6 mm² | | |
| Wire connection cross-section, solid core, min. | 0.14 mm² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 4 mm² |
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1.5 mm² |
| 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 |

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## Technical data

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 4 mm² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 30 A |
| Current at maximum wires | 36 A | Standards | IEC 60947-7-1 |
| 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 | Surge voltage category | III |
| Pollution severity | 3 | | |

### UL rating data

| | | | |
|---|---|---|---|
| Conductor size Factory wiring max. (cURus) | 10 AWG | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Conductor size Field wiring max. (cURus) | 10 AWG | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC001329 | ETIM 9.0 | EC001329 |
| ETIM 10.0 | EC001329 | ECLASS 14.0 | 27-25-01-10 |
| ECLASS 15.0 | 27-25-01-10 | | |

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## Drawings







