

AITB 2.5 BB L-L**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

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**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

| | |
|------------|----------------------------|
| Order No. | 2668900000 |
| Type | AITB 2.5 BB L-L |
| GTIN (EAN) | 4064675030485 |
| Qty. | 50 pc(s). |

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Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Depth | 50.1 mm | Depth (inches) | 1.972 inch |
| Height | 103 mm | Height (inches) | 4.055 inch |
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Net weight | 16.556 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 | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| 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)

| | |
|--|----------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A3 |
| Number of connections | 4 |
| Stripping length | 10 mm |

| | | | |
|--|--|------|----------------------|
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 0.75 mm ² |
| | Tube length | max. | 12 mm |
| | | min. | 8 mm |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.14 mm ² |
| | | max. | 0.34 mm ² |
| | Tube length | max. | 8 mm |
| | | min. | 6 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| | Tube length | max. | 12 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 2.5 mm ² |
| | Tube length | max. | 12 mm |
| min. | | 8 mm | |

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| | | | |
|---|--|---------------------|----------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.25 mm ² |
| | Tube length | nominal | 5 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| | Tube length | max. | 10 mm |
| | | min. | 6 mm |
| Cross-section for conductor connection | min. | 1.5 mm ² | |
| | max. | 2.5 mm ² | |
| Tube length | max. | 12 mm | |
| | min. | 7 mm | |
| Twin wire-end ferrules, max. | 0.75 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | PUSH IN | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Wire connection cross section AWG, min. | AWG 28 | | |
| Wire connection cross section, finely stranded, max. | 4 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. | 2.5 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. | 2.5 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. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|--------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 28 |

Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 400 V |
| Rated current | 24 A | Current at maximum wires | 27 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| | | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Rated impulse withstand voltage | 4 kV | Rated voltage (L / N) | 250 V |
| Rated voltage (L / L) | 400 V | Pollution severity | 3 |
| Rated voltage (L / PE) | 250 V | | |
| Surge voltage category | III | | |

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Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001329 | ETIM 7.0 | EC001329 |
| ETIM 8.0 | 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 |

Approvals

Approvals



Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Testreport CE Declaration of Conformity UKCA Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN |
| Tender specification | Ausschreibungstext AITB 2.5 BB L-L |
| User Documentation | BPZL A-INSTA 2.5 mm² 3-tier |
| Catalogues | Catalogues in PDF-format |

Data sheet

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Drawings

