

TR BD AITB RCD W/O TS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Installation wiring poses particular challenges in terms of the design of modular terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our modular terminal blocks for building installations meet all requirements.

General ordering data

| | |
|------------|---|
| Version | Multi-tier modular terminal, PUSH IN, 16 mm², 76 A, Number of levels: 3, Miscellaneous, Miscellaneous |
| Order No. | 8000122104 |
| Type | TR BD AITB RCD W/O TS |
| GTIN (EAN) | 4099986844209 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Depth | 50.1 mm | Depth (inches) | 1.972 inch |
| Height | 104.6 mm | Height (inches) | 4.118 inch |
| Width | 157.9 mm | Width (inches) | 6.217 inch |
| Net weight | 641.89 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 | Miscellaneous |
| Colour of operational elements | Miscellaneous | UL 94 flammability rating | V-0 |

System specifications

| | | | |
|-----------------------------------|-------|------------------|-----|
| End cover plate required | No | Number of levels | 3 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | N-function | Yes |
| PE function | Yes | PEN function | Yes |

Additional technical data

| | | | |
|--------------------------|--------|---------------------|------------------------|
| Explosion-tested version | No | Installation advice | Direct mounting, TS 35 |
| Open sides | closed | Type of mounting | Direct mounting, TS 35 |

Conductors for clamping (additional connection)

| | | | |
|-----------------------------------|--------------|---|-------|
| Blade size, additional connection | 0.6 x 3.5 mm | Stripping length, additional connection | 10 mm |
|-----------------------------------|--------------|---|-------|

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 16 mm ² |
| Clamping range, min. | 0.14 mm ² | Connection cross-section, finely stranded, max. | 16 mm ² |
| Connection cross-section, finely stranded, min. | 0.5 mm ² | Connection cross-section, stranded, max. | 16 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² | Connection direction | top |
| Number of connections | 98 | Stripping length | 18 mm |
| Twin wire-end ferrules, max. | 6 mm ² | Twin wire-end ferrules, min. | 0.5 mm ² |
| Type of connection | PUSH IN | 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

| | | | |
|---|------------------------------|---|-------|
| Installation advice | Direct mounting, TS 35 | Rail | TS 35 |
| Standards | IEC 60947-7-1, 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 current | 76 A |
| Current at maximum wires | 76 A | Standards | IEC 60947-7-1, IEC 60947-7-2 |
| 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 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-02 |

Downloads

| | |
|--------------------|--|
| Engineering Data | WMC File 8000122104 |
| User Documentation | 8000122104 - TR BD AITB RCD WO TS DE WEB 8000122104 - TR BD AITB RCD WO TS EN WEB |
| Catalogues | Catalogues in PDF-format |