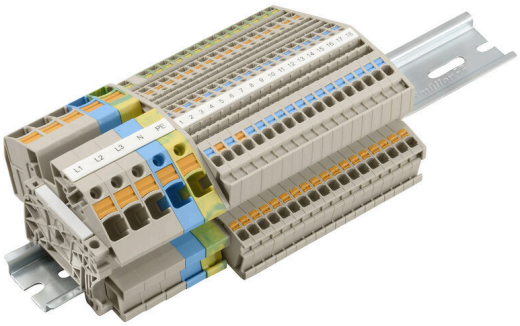
Data sheet

TR BD AITB RCD

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, Miscellaneous, 16 mm², Number of connections: 98, Number of levels: 3, TS 35, V-0
Order No.	8000122103
Type	TR BD AITB RCD
GTIN (EAN)	4099986844193
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	50.1 mm	Depth (inches)	1.9724 inch
Height	104.6 mm	Height (inches)	4.1181 inch
Width	248 mm	Width (inches)	9.7638 inch
Net weight	673.91 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%

Material data

Basic 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
Mounting rail	TS 35	N-function	Yes
PE function	Yes	PEN function	Yes

Additional technical data

Open sides	closed	Installation advice	Direct mounting
Explosion-tested version	No	Type of mounting	Direct mounting

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)

Wire connection cross section AWG, max.	AWG 4	Connection direction	top
Stripping length	18 mm	Type of connection	PUSH IN
Number of connections	98	Clamping range, max.	16 mm²
Clamping range, min.	0.14 mm²	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 18	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 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.	10 mm²

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.14 mm²	Wire connection cross section, finely stranded, max.	16 mm²
Wire connection cross section, finely stranded, min.	0.14 mm²	Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	0.14 mm²	Twin wire-end ferrules, max.	6 mm²
Twin wire-end ferrules, min.	0.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	0.14 mm²	Connection cross-section, finely stranded, max.	16 mm²
Connection cross-section, finely stranded, min.	0.14 mm²		

General

Wire connection cross section AWG, max.	AWG 4	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 18	Standards	IEC 60947-7-1, IEC 60947-7-2
Mounting rail	TS 35		

Rating data

Rated cross-section	16 mm²	Nominal 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	Surge voltage category	III
Pollution severity	3		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		