

**AITB 2.5 BB NDT-L-PE****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.	<a href="#">2668950000</a>
Type	AITB 2.5 BB NDT-L-PE
GTIN (EAN)	4064675030539
Qty.	50 pc(s).

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## Technical data

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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	18.9 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.	4 mm <sup>2</sup>
Clamping range, min.	0.14 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
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 <sup>2</sup>
		max.	0.75 mm <sup>2</sup>
	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 <sup>2</sup>
		max.	0.34 mm <sup>2</sup>
	Tube length	max.	8 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	2.5 mm <sup>2</sup>
	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 <sup>2</sup>
	Tube length	nominal	5 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	max.	10 mm
		min.	6 mm
Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
	max.	2.5 mm <sup>2</sup>	
Tube length	max.	12 mm	
	min.	7 mm	
Twin wire-end ferrules, max.	0.75 mm <sup>2</sup>		
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Type of connection	Busbar 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 <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>		
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

### General

Rail	Standards	In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2
TS 35		
Wire connection cross section AWG, max.	Wire connection cross section AWG, min.	AWG 28
AWG 12		

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	250 V
Rated current	24 A	Current at maximum wires	27 A
Standards	In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	0.77 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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### 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	<a href="#">CB Testreport</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN</a>
Tender specification	<a href="#">Ausschreibungstext AITB 2.5 BB NDT-L-PE</a>
User Documentation	<a href="#">BPZL A-INSTA 2.5 mm² 3-tier</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

