

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

Postfach 3030

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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.	2668910000
Type	AITB 2.5 BB N-L
GTIN (EAN)	4064675030492
Qty.	50 pc(s).

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Technical data

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1.972 inch

4.055 inch

0.201 inch

Dimensions and weights

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 levels 2

Rail TS 35

PE function No

Number of potentials 2

Number of clamping points per level 2

N-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 mm²

Clamping range, min. 0.14 mm²

Connection cross-section, stranded, max. 4 mm²

Connection cross-section, stranded, min. 0.5 mm²

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 mm²

max. 0.75 mm²

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 mm²

max. 0.34 mm²

Tube length max. 8 mm

min. 6 mm

Cross-section for conductor connection min. 0.5 mm²

max. 1 mm²

Tube length max. 12 mm

min. 6 mm

Cross-section for conductor connection min. 1.5 mm²

max. 2.5 mm²

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
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	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 N-L
User Documentation	BPZL A-INSTA 2.5 mm² 3-tier
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

