

AITB 2.5 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.	2669000000
Type	AITB 2.5 L-L
GTIN (EAN)	4064675030584
Qty.	50 pc(s).

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Technical data

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1.972 inch

4.055 inch

0.201 inch

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-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 mm²Clamping range, min. 0.14 mm²Connection cross-section, stranded, max. 4 mm²Connection 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 mm²max. 0.75 mm²

Tube length max. 12 mm

min. 8 mm

Tube length for wire-end ferrule with Cross-section for conductor connection min. 0.14 mm²plastic collar DIN 46228/4 max. 0.34 mm²

Tube length max. 8 mm

min. 6 mm

Cross-section for conductor connection min. 0.5 mm²max. 1 mm²

Tube length max. 12 mm

min. 6 mm

Cross-section for conductor connection min. 1.5 mm²max. 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
		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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Technical data

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	www.weidmueller.com 12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Voltage size B (cURus)	300 V	Voltage size C (cURus)	300 V
Voltage size D (cURus)	300 V		

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



UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	DNVGL certificate CB Testreport CE Declaration of Conformity UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
Tender specification	Ausschreibungstext AITB 2.5 L-L
User Documentation	BPZL A-INSTA 2,5 mm² 3-tier
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

