

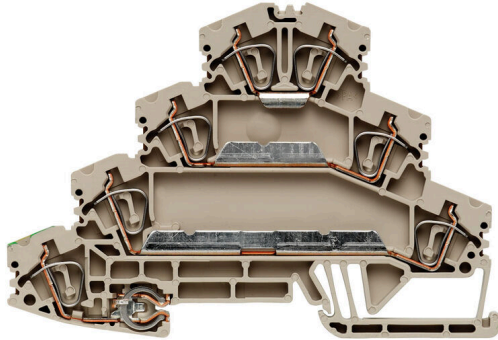
ZMAK 2.5**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Motor-connection terminal, Tension-clamp connection, 2.5 mm ² , 400 V, dark beige
Order No.	1768000000
Type	ZMAK 2.5
GTIN (EAN)	4032248117376
Qty.	25 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	69.5 mm	Depth (inches)	2.7362 inch
Depth including DIN rail	70 mm	Height	102 mm
Height (inches)	4.0157 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	22.38 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, With PE connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	4
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35		

Additional technical data

Open sides	right	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1152892
Voltage size D (CSA)	300 V	Current size D (CSA)	25 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
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Technical data

Wire connection cross section AWG, max.	AWG 12			
Connection direction	top			
Stripping length	10 mm			
Type of connection	Tension-clamp connection			
Number of connections	7			
Clamping range, max.	4 mm ²			
Clamping range, min.	0.13 mm ²			
Blade size	0.6 x 3.5 mm			
Wire connection cross section AWG, min.	AWG 30			
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.	0.13 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.	0.13 mm ²			
Wire connection cross section, finely stranded, max.	4 mm ²			
Wire connection cross section, finely stranded, min.	0.13 mm ²			
Connection cross-section, stranded, max.	4 mm ²			
Connection cross-section, stranded, min.	0.13 mm ²			
Wire connection cross-section, solid core, max.	4 mm ²			
Wire connection cross-section, solid core, min.	0.13 mm ²			
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	0.5 mm ²	
		Tube length	min.	6 mm
	Cross-section for conductor connection	nominal	0.75 mm ²	
		Tube length	min.	6 mm
	Cross-section for conductor connection	nominal	1 mm ²	
		Tube length	min.	8 mm
	Cross-section for conductor connection	nominal	1.5 mm ²	
		Tube length	nominal	8 mm
	Cross-section for conductor connection	nominal	2.5 mm ²	
		Tube length	nominal	10 mm
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²
			Tube length	nominal
Cross-section for conductor connection		nominal	0.75 mm ²	
		Tube length	nominal	10 mm
Cross-section for conductor connection		nominal	1 mm ²	
		Tube length	nominal	10 mm
Cross-section for conductor connection		nominal	1.5 mm ²	
		Tube length	nominal	10 mm
Cross-section for conductor connection		nominal	2.5 mm ²	
		Tube length	nominal	10 mm

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Technical data

General

Wire connection cross section AWG, max.	AWG 12	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 30	Standards	IEC 60947-7-1 (-7-2)
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	24 A
Current at maximum wires	31 A	Standards	IEC 60947-7-1 (-7-2)
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Voltage size B (UR)	300 V	Current size B (UR)	25 A
Conductor size Factory wiring max. (UR)	12 AWG	Current size D (UR)	10 A
Conductor size Factory wiring min. (UR)	26 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR)	26 AWG	Voltage size D (UR)	300 V
Conductor size Field wiring max. (UR)	12 AWG		

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		

Drawings

