

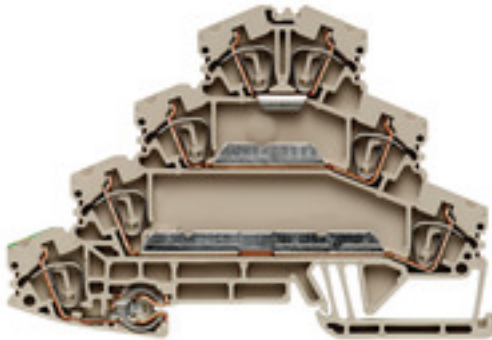


**THE DATASHEET OF  
1768000000**



**Z-series  
ZMAK 2.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	ZMAK 2.5
Order No.	<a href="#">1768000000</a>
Version	Motor-connection terminal, Tension clamp connection, 2.5 mm <sup>2</sup> , 400 V, Dark Beige
GTIN (EAN)	4032248117376
Qty.	25 pc(s).

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**Technical data**
**Dimensions and weights**

Width	5.1 mm	Width (inches)	0.201 inch
Height	102 mm	Height (inches)	4.016 inch
Depth	69.5 mm	Depth (inches)	2.736 inch
Depth including DIN rail	70 mm	Net weight	22.38 g

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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**Material data**

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 levels	4	No. 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**

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

**CSA rating data**

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

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A3	Number of connections	7
Stripping length	10 mm	Type of connection	Tension clamp connection
Wire connection cross section, finely stranded, max.	4 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, finely stranded, 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>

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## Technical data

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated current	24 A	Current at maximum wires	31 A
Standards	IEC 60947-7-1 (-7-2)	Volume resistance according to IEC 60947-7-x	3.99 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3
Surge voltage category	III		

### UL rating data

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

### Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 5.1	27-14-11-18
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-28	eClass 9.0	27-14-11-28
eClass 9.1	27-14-11-20		

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1102_20160418_1367_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>

### Safety note

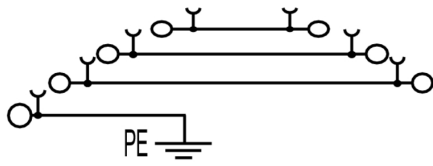
Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**



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