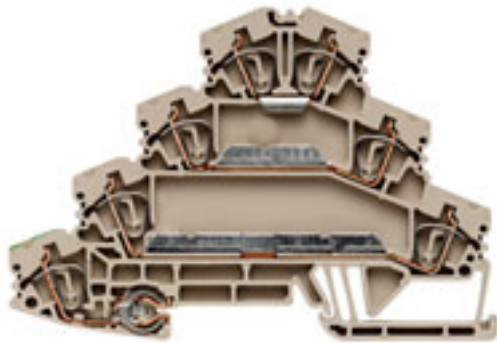


**Z terminal with tension spring connection  
ZMAK 2.5**

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



Modular terminals with tension-clamp system, the Z series, are tailored specifically to customer requirements: The multi-tier terminal ZMAK 2.5 brings clarity to your cabling:

- TOP connection with tension-clamp system
- 5 mm terminal width
- Clampable conductors: 0.5 to 4 mm<sup>2</sup>
- 30 A continuous current

**General ordering data**

Type	ZMAK 2.5
Order No.	<a href="#">1768000000</a>
GTIN (EAN)	4032248117376
Qty.	25 pc(s).

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**Technical data**

**Dimensions and weights**

Length	102 mm	Width	5.1 mm
Height	69.5 mm	Height of lowest version	70 mm
Net weight	22.38 g		

**Temperatures**

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Tension-clamp connection, With PE connection, One end without connector		

**CSA ratings data**

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

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**Clampable wires (rated connection)**

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	7	Clamping range, rated connection, min.	0.13 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>
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, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

**Rated data**

Rated voltage	400 V	Rated impulse withstand voltage	6 kV
Rated current	24 A	Current at maximum wires	31 A
Standards	IEC 60947-1 (-7-2)	Pollution severity	3

## Data sheet

### Z terminal with tension spring connection ZMAK 2.5

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## Technical data

### UL ratings data

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

### Material data

Insulating material	Wemid	Material	Wemid
Colour	Dark Beige	UL 94 flammability rating	V-0

### System specifications

Product family	Z terminal with tension spring connection	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	2
Number of connections	7	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

### Classifications

ETIM 3.0	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		

### Product information

Descriptive text ordering data      The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!

### Approvals

Approvals



ROHS      Conform