

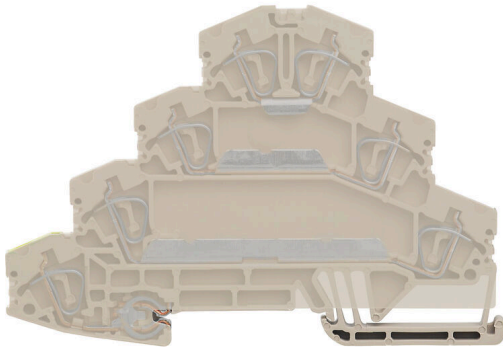
**ZMAK 2.5 690V****Weidmüller Interface GmbH & Co. KG**

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 <sup>2</sup> , 690 V, dark beige
Order No.	<a href="#">1027550000</a>
Type	ZMAK 2.5 690V
GTIN (EAN)	4032248756773
Qty.	25 items

## ZMAK 2.5 690V

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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	6.1 mm
Width (inches)	0.2402 inch	Net weight	27.7 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	No
Number of potentials	4	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	closed	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	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 <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>

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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 <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 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.	0.13 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.13 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.13 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.13 mm <sup>2</sup>

### 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 <sup>2</sup>	Rated voltage	690 V
Rated DC voltage	690 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

