

**Z-series
ZMAK 2.5 690V**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Product image**Power distribution**

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

General ordering data

Type	ZMAK 2.5 690V
Order No.	1027550000
Version	Motor-connection terminal, Tension-clamp connection, 2.5 mm ² , 690 V, dark beige
GTIN (EAN)	4032248756773
Qty.	25 pc(s).

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Catalogue status 05.09.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 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	31.76 g

Temperatures

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

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	No
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	Rail	TS 35

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.13 mm ²	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 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, finely stranded, 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

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Technical data**Rating data**

Rated cross-section	2.5 mm ²	Rated voltage	690 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	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W	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 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EAC certificate DE_PT1102_20160418_1368_ISSUE01.pdf Declaration of Conformity Terminals
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety noteSafety notice [Safety Information](#)

Data sheet

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Drawings

