

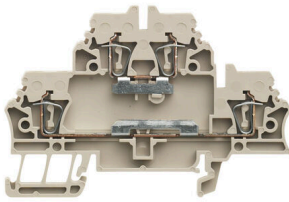
ZDK 2.5 EM**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

Version	Feed-through terminal, Double-tier terminal, Tension-clamp connection, 2.5 mm ² , 500 V, 20 A, beige
Order No.	1768800000
Type	ZDK 2.5 EM
GTIN (EAN)	4032248114313
Qty.	50 items

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	53 mm	Depth (inches)	2.0866 inch
Depth including DIN rail	54 mm	Height	79.5 mm
Height (inches)	3.1299 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	10.24 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	beige
UL 94 flammability rating	V-0		

System specifications

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

Additional technical data

Open sides	right	Number of similar terminals	1
Installation advice	Busbar	Explosion-tested version	Yes
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 14
Connection direction	top	Stripping length	10 mm

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Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	4	Clamping range, max.	2.5 mm ²
Clamping range, min.	0.05 mm ²	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 24	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.	0.05 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.	0.05 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross section, finely stranded, min.	0.05 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	0.05 mm ²	Wire connection cross-section, solid core, max.	2.5 mm ²
Wire connection cross-section, solid core, min.	0.05 mm ²	Connection cross-section, finely stranded, min.	0.05 mm ²

General

Wire connection cross section AWG, max.	AWG 14	Installation advice	Busbar
Wire connection cross section AWG, min.	AWG 24	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	20 A
Current at maximum wires	20 A	Standards	IEC 60947-7-1
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	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	14 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	26 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	26 AWG
Conductor size Field wiring max. (UR)	14 AWG		

Important note

Product information The allowed continuous operating temperature must be observed

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

