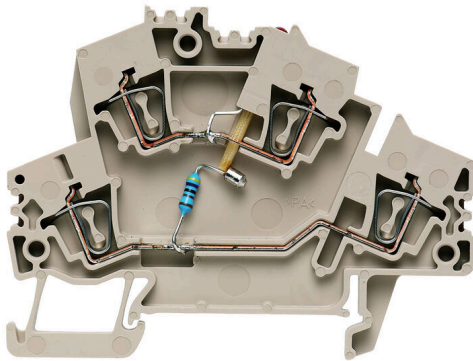


ZDK 2.5-2/LD 24VUC**Weidmüller Interface GmbH & Co. KG**

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	Z-series, Component terminal, Double-tier terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige
Order No.	1905310000
Type	ZDK 2.5-2/LD 24VUC
GTIN (EAN)	4032248524792
Qty.	50 items

ZDK 2.5-2/LD 24VUC

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	53 mm	Depth (inches)	2.0866 inch
Height	72.5 mm	Height (inches)	2.8543 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	9.61 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 with exemption
RoHS Exemption (if applicable/known)	7cl
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 LED, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	Open	Explosion-tested version	Yes
Type of mounting	Snap-on		

Component

Element type	Resistor
Component 1	LED red
Component 2	Resistance 4.7 kΩ
Component voltage	1000 V
Component current	1 A
Component LED	Colour red
	Voltage, min. 6 V

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Technical data

Component resistor	Voltage, max.	24 V
	Current	20 mA
	Resistance	4.7 kΩ
	Power loss	0.4 W
	Tolerance (%)	1 %

Conductors for clamping (additional connection)

Conductor cross-section, flexible with plastic collar (DIN 46228/1) (further connection), max.

2.5 mm²

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
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 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 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	Twin wire-end ferrules, max.	0.34 mm ²
Twin wire-end ferrules, min.	0.14 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 (rated connection), min.	0.05 mm ²

Fuse terminals

Type of voltage for indicator	AC/DC	Display	LED
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General

Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	24 V
Rated DC voltage	24 V	Nominal current	10 A
Current at maximum wires	20 mA	Standards	IEC 60947-7-1
Volume resistance	1.33 mΩ	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

Important note

Product information The allowed continuous operating temperature must be observed

Technical data

Classifications

ETIM 8.0	EC000903	ETIM 9.0	EC000903
ETIM 10.0	EC000903	ECLASS 14.0	27-25-01-14
ECLASS 15.0	27-25-01-14		

Drawings

