

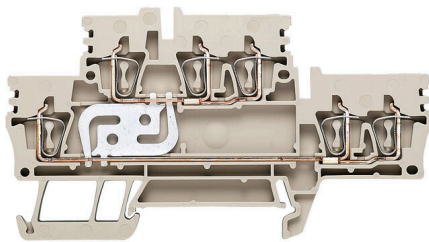
ZDK 2.5/3AN V**Weidmüller Interface GmbH & Co. KG**

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	Feed-through terminal, Tension-clamp connection, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1924490000
Type	ZDK 2.5/3AN V
GTIN (EAN)	4032248563920
Qty.	50 items

ZDK 2.5/3AN V

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.9882 inch
Depth including DIN rail	51.5 mm	Height	93 mm
Height (inches)	3.6614 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	16.6 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0.155 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1729U	Certificate No. (IECEX)	IECEXULD16.0025U
Max. voltage (ATEX)	440 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Tension-clamp connection, for plug-in cross-connector, Vertically cross-connected, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	3	Levels cross-connected internally	Yes
PE connection	No	Mounting rail	TS 35

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Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	24 A	Certificate No. (CSA)	200039-1842498
Voltage size B (CSA)	300 V	Current size B (CSA)	24 A
Wire cross section min. (CSA)	30 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2		
Wire connection cross section AWG, max.	AWG 12		
Connection direction	top		
Stripping length	10 mm		
Type of connection 2	Tension-clamp connection		
Type of connection	Tension-clamp connection		
Number of connections	6		
Clamping range, max.	4 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.	4 mm ²		
Wire connection cross-section, solid core, min.	0.05 mm ²		
Connection cross-section, finely stranded, min.	0.05 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
		min.	6 mm

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		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²

General

Wire connection cross section AWG, max.	AWG 12	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	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	300 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	30 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Current size B (cURus)	20 A
Voltage size C (cURus)	300 V	Current size C (cURus)	20 A
Conductor size Field wiring max. (cURus)	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

