

**ZDK 2.5-2/4AN****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	Double-tier terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 800 V, 22 A, beige
Order No.	<a href="#">1394040000</a>
Type	ZDK 2.5-2/4AN
GTIN (EAN)	4050118301274
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Depth	62 mm	Depth (inches)	2.441 inch
Height	104 mm	Height (inches)	4.094 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	17.876 g		

**Temperatures**

Storage temperature	-25 °C...55 °C	Operating temperature	-50 °C...120 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	120 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

**Material data**

Material	Wemid	Colour	beige
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	19 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	19 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
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, One end without connector	End cover plate required	Yes
Number of levels	2	Number of clamping points per level	4
Levels cross-connected internally	No	PE connection	No
Rail	TS 35		

**Additional technical data**

Type of mounting	Snap-on
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**CSA rating data**

Certificate No. (CSA)	200039-1842498	Current size B (CSA)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	top

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## Technical data

Gauge to IEC 60947-1	A2			
Number of connections	8			
Stripping length	10 mm			
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 <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
	Tube length	min.	8 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
Tube length	nominal	8 mm		
	nominal	2.5 mm <sup>2</sup>		
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>	
	Tube length	nominal	10 mm	
	Type of connection	Tension-clamp connection		
	Wire connection cross section AWG, max.	AWG 12		
Wire connection cross section AWG, min.	AWG 30			
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>			
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>			
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.	0.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>			
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>			

### General

Rail	TS 35	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30		

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## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated current	22 A	Current at maximum wires	26 A
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

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 V
Voltage size D (cURus)	600 V		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

## Approvals

Approvals



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">NTI ZDK 2.5-2/4AN</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Data sheet**

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**Drawings**

