

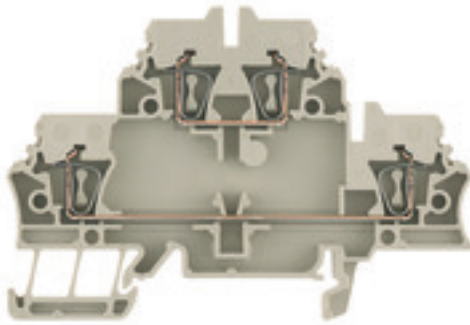
ZDK 2.5**Weidmüller Interface GmbH & Co. KG**

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, Double-tier terminal, Tension-clamp connection, 2.5 mm ² , 500 V, 20 A, beige
Order No.	1674300000
Type	ZDK 2.5
GTIN (EAN)	4008190444884
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	53 mm	Depth (inches)	2.087 inch
Depth including DIN rail	54 mm	Height	79.5 mm
Height (inches)	3.13 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	9.612 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Material data

Material	Wemid	Colour	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
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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	2
Levels cross-connected internally	No	PE connection	No
Rail	TS 35		

Additional technical data

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

CSA rating data

Certificate No. (CSA)	80053378-200039	Conductor size Factory wiring max. (CSA)	12 AWG
Conductor size Factory wiring min. (CSA)	26 AWG	Conductor size Field wiring max. (CSA)	12 AWG
Conductor size Field wiring min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm		
Clamping range, max.	2.5 mm ²		
Clamping range, min.	0.05 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A2		
Number of connections	4		
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 ²
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	1 mm ²
		Tube length	min.
	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
Cross-section for conductor connection			nominal
		Tube length	nominal
Cross-section for conductor connection			nominal
		Tube length	nominal
Cross-section for conductor connection			nominal
		Tube length	min.
max.			12 mm
Cross-section for conductor connection		nominal	1.5 mm ²
		Tube length	min.
max.			12 mm
Cross-section for conductor connection		nominal	2.5 mm ²
	Type of connection	Tension-clamp connection	
Type of connection 2	Tension-clamp connection		
Wire connection cross section AWG, max.	AWG 14		
Wire connection cross section AWG, min.	AWG 24		
Wire connection cross section, finely stranded, max.	2.5 mm ²		
Wire connection cross section, finely stranded, min.	0.5 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		

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Technical data

Wire connection cross-section, solid core, max.	2.5 mm ²
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Wire connection cross-section, solid core, min.	0.5 mm ²
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Dimensions

TS 35 offset	39 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 24

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated 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

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

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27-25-01-02

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

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Technical data

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity ATEX Certificate IECEX Certificate DNVGL certificate CCC Ex Certificate UKCA Ex Certificate 17-AV4BO-0544U CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	NTI ZDK 2.5-PE NTI ZDK 2.5 DU-PE StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

