

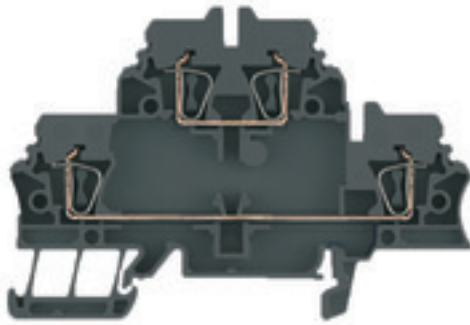
**ZDK 2.5 SW****Weidmüller Interface GmbH & Co. KG**

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 <sup>2</sup> , 500 V, 20 A, black
Order No.	<a href="#">1058690000</a>
Type	ZDK 2.5 SW
GTIN (EAN)	4050118210842
Qty.	50 pc(s).

Creation date September 15, 2022 10:50:35 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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	10.66 g

**Temperatures**

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

**Material data**

Material	Wemid	Colour	black
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 <sup>2</sup>	Max. voltage (IECEX)	440 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 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	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		

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	4
Stripping length	10 mm	Type of connection	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 <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 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, 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.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Dimensions**

TS 35 offset	39 mm
--------------	-------

**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 <sup>2</sup>	Rated 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		

**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

## ZDK 2.5 SW

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">EAC EX 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="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">NTI ZDK 2.5-PE</a> <a href="#">NTI ZDK 2.5 DU-PE</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

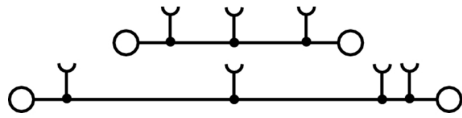
**Data sheet**

**ZDK 2.5 SW**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [DIN Rail Terminal Blocks](#) category:*

*Click to view products by [Weidmuller](#) manufacturer:*

Other Similar products are found below :

[00110420202](#) [00175550302](#) [8WA1011-1BH23](#) [8WA1011-1EF20](#) [91.040](#) [9123140000](#) [RBO 5-T-B-HEX](#) [1333564](#) [DP25-GY-ND](#) [1431306](#)  
[HSL-TB64-DIN](#) [90.070](#) [90.202](#) [912314](#) [260-301\\_NR](#) [2757571](#) [280-331](#) [280-560](#) [280-564](#) [281-611/281-542](#) [281-673/281-411](#) [281-994](#)  
[283-317](#) [283-607](#) [2948995](#) [264-724](#) [264-726](#) [280-530](#) [280-555](#) [280-619](#) [281-610](#) [281-622/281-417](#) [284-317](#) [284-601](#) [2907033](#) [5542152](#)  
[35956](#) [USK 10](#) [102510](#) [5520682](#) [5607102](#) [EMH 25-ZE30](#) [591620-2](#) [UM 45-SEFE M.NUT BK](#) [1-591651-1](#) [8671050000](#) [264-706](#) [280-575](#)  
[281-664](#) [592814-1](#)