

**Z-series  
ZDK 2.5-2PE**

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

**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	ZDK 2.5-2PE
Order No.	<a href="#">1791010000</a>
Version	Z-series, PE terminal, Double-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, Green/yellow
GTIN (EAN)	4032248331215
Qty.	50 pc(s).

Creation date September 5, 2020 9:11:35 PM CEST

Catalogue status 28.08.2020 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	72.5 mm	Height (inches)	2.854 inch
Depth	54.5 mm	Depth (inches)	2.146 inch
Depth including DIN rail	55.5 mm	Net weight	14.18 g

### Temperatures

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

### Material data

Material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

### Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
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, With PE connection, 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	Yes
Rail	TS 35	PEN function	No

### 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)	200039-1236167	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

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**Technical data**
**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 direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	4
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 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, finely stranded, 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>

**PE rating data**

Rated short-time current	300 A (2.5 mm <sup>2</sup> )	PEN function	No
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated impulse withstand voltage to adjacent terminal	8 kV
Pollution severity	3		

**UL rating data**

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 AWG		

**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

**Approvals**

Approvals



ROHS	Conform
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**Data sheet****Z-series  
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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ATEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">DE_PT1102_20160418_1067_ISSUE01.pdf</a> <a href="#">Attestation of Conformity</a> <a href="#">Declaration of Conformity Terminals</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">PCN_ZPE_Q2_2021 - EN</a> <a href="#">PCN_ZPE_Q2_2021 - DE</a>
User Documentation	<a href="#">NTI ZDK-PE 2.5-2</a> <a href="#">NTI ZDK-PE 2.5-2 V</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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**Data sheet**

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**Drawings**

