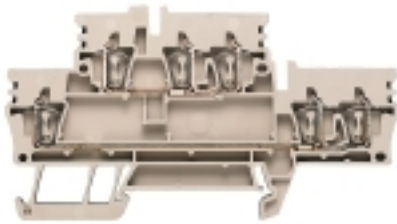


**Z-series  
ZDK 2.5/3AN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com

**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 2.5/3AN
Order No.	<a href="#">1924510000</a>
Version	Double-tier terminal, Tension clamp connection, 2.5 mm <sup>2</sup> , 800 V, 24 A, Dark Beige
GTIN (EAN)	4032248563944
Qty.	50 pc(s).

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

Width	5.1 mm	Width (inches)	0.201 inch
Height	93 mm	Height (inches)	3.661 inch
Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Net weight	15.24 g

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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**Material data**

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	KEMA06ATEX0271U	ATEX certificate	KEMA06ATEX0271U_d.pdf
ATEX certificate	KEMA06ATEX0271U_e.pdf	Certificate No. (IECEX)	IECEXKEM06.0048U
IEC Ex certificate	IECEXKEM06.0048U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Max. voltage (IECEX)	550 V	Current (IECEX)	21 A
Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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	No. of clamping points per level	3
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

**Additional technical data**

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

**CSA rating data**

Certificate No. (CSA)	200039-1842498	Current size B (CSA)	24 A
Current size C (CSA)	24 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	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, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.05 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Gauge to IEC 60947-1	A2	Number of connections	6
Stripping length	10 mm	Type of connection	Tension clamp connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 24
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>
Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>		

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	24 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	2.66 mΩ
Rated impulse withstand voltage	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)	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	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

**Classifications**

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-18
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

**Product information**

Descriptive text technical data	2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Descriptive text accessories	2.5 mm <sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

**Data sheet****Z-series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_ZDK 2.5_3AN V.pdf</a> <a href="#">DE_PT1101_20160415_119_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>

**Safety note**

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

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**Drawings**

