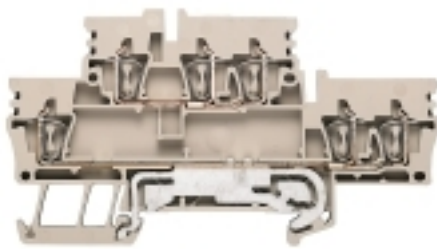


**Z-series
ZDK 2.5/3AN DU-PE**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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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 2.5/3AN DU-PE
Order No.	1924460000
Version	Double-tier terminal, Tension-clamp connection, 2.5 mm², 800 V, 24 A, dark beige
GTIN (EAN)	4032248563890
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	18.98 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	dark 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)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEx)	440 V
Current (IECEx)	21 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, With PE connection, One end without connector	End cover plate required	Yes
Number of levels	2	Number of clamping points per level	3
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	PEN function	No

Additional technical data

Explosion-tested version	Yes	Mounting plate every 200 mm	No
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, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	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 30	Wire connection cross section, finely stranded, max.	2.5 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
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 35 offset	25.5 mm
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated current	24 A
Current at maximum wires	31 A	Standards	IEC 60947-7-1 (-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	8 kV	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)	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 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

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX Certificate IECEx Certificate EAC certificate INMETRO certificate DE_PT1101_20160415_123_ISSUE01.pdf Declaration of Conformity Terminals
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	NTI ZDK 2.5/3AN DU-PE NTI ZDK 2.5/3AN V DU-PE StorageConditionsTerminalBlocks

Safety note

Safety notice [Safety Information](#)

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Drawings

