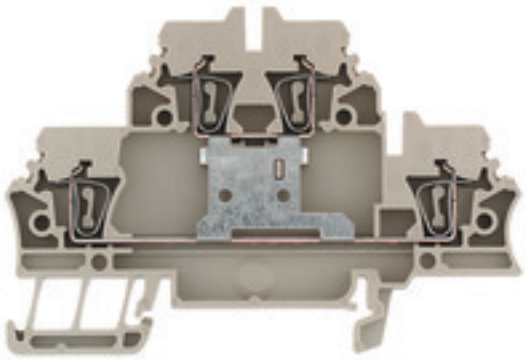
Z-series
ZDK 2.5V

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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 2.5V
Order No.	1689990000
Version	Feed-through terminal, Double-tier terminal, Tension clamp connection, 2.5 mm², 500 V, 20 A, Dark Beige
GTIN (EAN)	4008190875459
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	79.5 mm	Height (inches)	3.13 inch
Depth	53 mm	Depth (inches)	2.087 inch
Depth including DIN rail	54 mm	Net weight	10.56 g

Temperatures

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

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX4677U	Certificate No. (IECEX)	IECEXULD05.0009U
Max. voltage (ATEX)	440 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	440 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm²
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, Vertically cross-connected, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	2	No. of clamping points per level	2
Levels cross-connected internally	Yes	PE connection	No
Mounting 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)	12400-367	Current size B (CSA)	10 A
Current size D (CSA)	10 A	Voltage size B (CSA)	300 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm²
Clamping range, min.	0.05 mm²	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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross-section, solid core, max.	2.5 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Rating data

Rated cross-section	2.5 mm²	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	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 3.0	EC000897	ETIM 4.0	EC000903
ETIM 5.0	EC000903	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 5.1	27-14-11-18
eClass 6.2	27-14-11-27	eClass 7.1	27-14-11-27
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 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

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Technical data

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate DE_PT1101_20160418_1075_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide

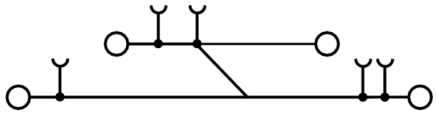
Safety note

Safety notice	Safety Information

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Drawings



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9037380000 1031470000 1649300000 1784180000 1786450000 1013450000 1608570000 1609820000
8690200000 1622940000 2535780000 1121990000 1818090500 1890260000 1906650000 1950200000
1124150000 1221360000 1608830000 024892 SAKS3 1607520000 8951460000 9456650000 0303620000
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