

**Z-series
ZDU 10/3AN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

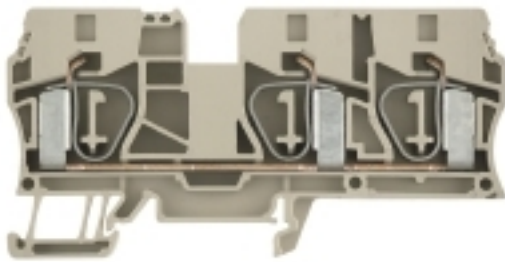
D-32758 Detmold

Germany

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**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	ZDU 10/3AN
Order No.	1767690000
Version	Feed-through terminal, Tension clamp connection, 10 mm ² , 800 V, 57 A, Dark Beige
GTIN (EAN)	4032248122745
Qty.	20 pc(s).

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Technical data
Dimensions and weights

Width	10 mm	Width (inches)	0.394 inch
Height	99 mm	Height (inches)	3.898 inch
Depth	49.5 mm	Depth (inches)	1.949 inch
Depth including DIN rail	50.5 mm	Net weight	37.024 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)	KEMA00ATEX2 107U	ATEX certificate	KEMA00ATEX2 107U_d.pdf
ATEX certificate	KEMA00ATEX2 107U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	50 A	Wire cross section max. (ATEX)	10 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	50 A
Wire cross section max. (IECEX)	10 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex e II

System specifications

Version	Tension-clamp connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	1	No. of clamping points per level	3
Number of potentials per tier	1	Levels cross-connected internally	No
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)	200039-1 152892	Current size B (CSA)	55 A
Current size C (CSA)	55 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	16 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	16 mm ²
Clamping range, rated connection, min.	1.31 mm ²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm ²	Gauge to IEC 60947-1	
Number of connections	3		A6
Type of connection	Tension clamp connection	Stripping length	18 mm
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	10 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, stranded, rated connection, max.	16 mm ²	Wire connection cross section, solid core, min. rated connection	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
		Wire connection cross-section, finely stranded, min.	1.5 mm ²

Dimensions

TS 35 offset	62.5 mm
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Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated current	57 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG	Current size C (UR)	60 A
Voltage size C (UR)	600 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	27-14-11-20
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 ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.

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Technical data

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_ZDU 10_3AN.pdf DE_PT1101_20160418_1158_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

Safety notice	Safety Information
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Drawings

