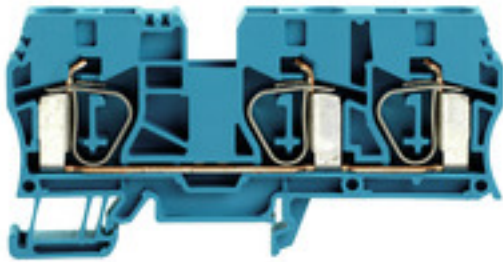


**Z-series
ZDU 10/3AN BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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	ZDU 10/3AN BL
Order No.	1767700000
Version	Feed-through terminal, Tension clamp connection, 10 mm ² , 800 V, 57 A, Blue
GTIN (EAN)	4032248122752
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	37.224 g

Temperatures

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

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA00ATEX2 107U	Certificate No. (IECEX)	IECEXULDO5.0009U
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
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, 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)	200039-1152892	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, max.	16 mm ²
Clamping range, min.	1.31 mm ²	Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A6	Number of connections	3
Stripping length	18 mm	Type of connection	Tension clamp connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	1.5 mm ²

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.

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

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_ZDU_10_3AN.pdf DE_PT1101_20160418_1159_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Cross Connection Guide

Safety noteSafety notice [Safety Information](#)

Data sheet

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Drawings

