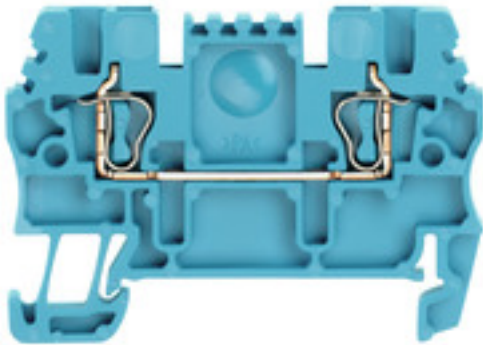


**Z-series
ZDU 1.5 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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	ZDU 1.5 BL
Order No.	1775490000
Version	Feed-through terminal, Tension-clamp connection, 1.5 mm ² , 500 V, 17.5 A, blue
GTIN (EAN)	4032248181476
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Width	3.5 mm	Width (inches)	0.138 inch
Height	51.5 mm	Height (inches)	2.028 inch
Depth	36.5 mm	Depth (inches)	1.437 inch
Depth including DIN rail	37 mm	Net weight	4.67 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.	-50 °C	Continuous operating temp., max.	120 °C

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA01ATEX2106U	Certificate No. (IECEX)	IECEXULD05.0009U
Max. voltage (ATEX)	550 V	Current (ATEX)	15 A
Wire cross section max. (ATEX)	1.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	15 A	Wire cross section max. (IECEX)	1.5 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, One end without connector	End cover plate required	Yes
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size C (CSA)	20 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm	Clamping range, max.	1.5 mm ²
Clamping range, min.	0.05 mm ²	Connection direction	top
Gauge to IEC 60947-1	B1	Number of connections	2
Stripping length	10 mm	Twin wire-end ferrules, max.	0.75 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 16	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 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.	1.5 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.	1.5 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Rating data

Rated cross-section	1.5 mm ²	Rated voltage	500 V
Rated current	17.5 A	Current at maximum wires	17.5 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.83 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	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		

Approvals

Approvals



ROHS

Conform

Creation date July 8, 2019 8:50:22 AM CEST

Catalogue status 05.07.2019 / We reserve the right to make technical changes.

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

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate DE_PT1101_20160418_1145_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 Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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Drawings

