

**Z-series
ZDU 16 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

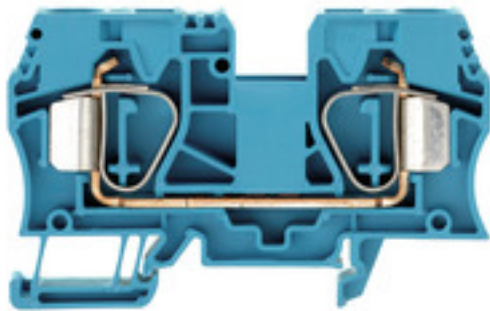
D-32758 Detmold

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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	ZDU 16 BL
Order No.	1745240000
Version	Feed-through terminal, Tension-clamp connection, 16 mm², 1000 V, 76 A, blue
GTIN (EAN)	4008190996772
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Width	12.1 mm	Width (inches)	0.476 inch
Height	82.5 mm	Height (inches)	3.248 inch
Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Net weight	36.992 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)	KEMA99ATEX5514U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	550 V	Current (ATEX)	66 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	68 A	Wire cross section max. (IECEX)	25 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	Number 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	Busbar
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)	65 A
Current size C (CSA)	65 A	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 mm ²
Clamping range, min.	1.5 mm ²	Connection cross-section, stranded, max.	25 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A7	Number of connections	2
Stripping length	18 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 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.	16 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

Dimensions

TS 35 offset	42 mm
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Rating data

Rated cross-section	16 mm ²	Rated voltage	1,000 V
Rated current	76 A	Current at maximum wires	98 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Power loss in accordance with IEC 60947-7-x	2.43 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	4 AWG
Conductor size Field wiring min. (UR)	14 AWG	Current size C (UR)	65 A
Voltage size C (UR)	600 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 IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DE_PT1101_20160418_1164_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

