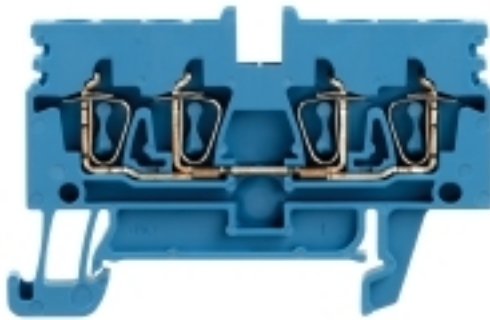


**Z-series
ZDU 2.5N/4AN BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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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 2.5N/4AN BL
Order No.	1933750000
Version	Feed-through terminal, Tension-clamp connection, 2.5 mm², 800 V, 24 A, blue
GTIN (EAN)	4032248586783
Qty.	50 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39 mm	Net weight	8.32 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °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)	KEMA06ATEX0271U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	22 A	Wire cross section max. (IECEX)	4 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	4
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1842498	Current size B (CSA)	24 A
Current size C (CSA)	24 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

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Technical data
Conductors for clamping (additional connection)

Cross-section for connected wire, AWG,
 additional connection, max.

AWG 12

Cross-section for connected wire, AWG,
 additional connection, min.

AWG 24

Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

Clamping range, min.

0.05 mm²

Connection cross-section, stranded, min. 1.5 mm²

Gauge to IEC 60947-1

A2

Stripping length 10 mm

Wire connection cross section, finely
 stranded, 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, min.

0.5 mm²

Wire connection cross-section, solid
 core, max.

4 mm²

Clamping range, max.

4 mm²

Connection cross-section, stranded,
 max.

2.5 mm²

Connection direction

top

Number of connections

4

Type of connection

Tension-clamp connection

Wire connection cross-section, finely
 stranded with wire-end ferrules DIN
 46228/1, max.

1.5 mm²

Wire connection cross-section, finely
 stranded with wire-end ferrules DIN
 46228/4, max.

1.5 mm²

Wire connection cross-section, finely
 stranded, min.

0.5 mm²

Wire connection cross-section, solid
 core, min.

0.5 mm²

Rating data

Rated cross-section

2.5 mm²

Rated current

24 A

Standards

IEC 60947-7-1

Power loss in accordance with IEC
 60947-7-x

0.77 W

Pollution severity

3

Rated voltage

800 V

Current at maximum wires

24 A

Volume resistance according to IEC
 60947-7-x

1.33 mΩ

Rated impulse withstand voltage

6 kV

UL rating data

Certificate No. (cURus)

E60693

Conductor size Factory wiring min.
 (cURus)

30 AWG

Conductor size Field wiring min. (cURus)

30 AWG

Current size C (cURus)

20 A

Voltage size C (cURus)

300 V

Conductor size Factory wiring max.
 (cURus)

12 AWG

Conductor size Field wiring max. (cURus)

12 AWG

Current size B (cURus)

20 A

Voltage size B (cURus)

300 V

Classifications

ETIM 6.0

EC000897

eClass 9.0

27-14-11-20

eClass 10.0

27-14-11-20

ETIM 7.0

EC000897

eClass 9.1

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 ATEX Certificate IECEx Certificate EAC certificate INMETRO certificate DE_PT1101_20160418_1242_ISSUE01.pdf Declaration of Conformity Terminals
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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Drawings

