

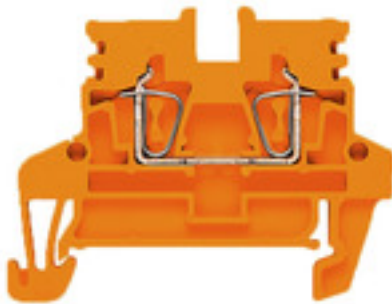
ZDU 2.5N OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Feed-through terminal, Tension-clamp connection, 2.5 mm ² , 800 V, 24 A, orange
Order No.	1316880000
Type	ZDU 2.5N OR
GTIN (EAN)	4050118120950
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39 mm	Height	50.5 mm
Height (inches)	1.988 inch	Net weight	4.56 g
Width	5.1 mm	Width (inches)	0.201 inch

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50
Continuous operating temp., max.	120		

Material data

Material	Wemid	Colour	orange
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	440 V	Current (ATEX)	22 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	22 A	Wire cross section max. (IECEX)	4 mm ²
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	Open sides	right
Type of mounting	Snap-on		

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
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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section, finely stranded, max.	2.5 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, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 35 offset	25.5 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
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Rating data

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm ²
Rated voltage	800 V	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Pollution severity	3		

UL rating data

UL_current_Print	20 A	UL_voltage_Print	300 V
UL_wire_max_Print	12 AWG	UL_wire_min_Print	30 AWG

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	ECLASS 11.0	27-14-11-20

Approvals

Approvals



ROHS Conform

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Data sheet**ZDU 2.5N OR**

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate EAC certificate INMETRO certificate EAC EX Certificate ATEX Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 2.5N

Data sheet

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Drawings

