

Z-series
ZDU 2.5/4AN RT

Weidmüller Interface GmbH & Co. KG
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

Type	ZDU 2.5/4AN RT
Order No.	1683420000
Version	Z-series, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, Red, Busbar
GTIN (EAN)	4008190478179
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Width	5.1 mm	Height	79.5 mm
Height of lowest version	39.5 mm	Depth	38.5 mm
Net weight	11.54 g		

Temperatures

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

Explosion-tested version	Yes	Installation advice	Busbar
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Tension-clamp connection, for plug-in cross-connector, One end without connector

CSA ratings data

Certificate No. (CSA)	200039-1 152892	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Current size B (CSA)	27 A	Current size C (CSA)	27 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	4	Clamping range, rated connection, min.	0.05 mm ²
Clamping range, rated connection, max.	4 mm ²	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, min. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	4 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

Data sheet

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Rated data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current at maximum wires	27 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	600 V
Current size C (UR)	25 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG

PT OKIECEx/ATEX rating data

Certificate No. (ATEX)	KEMA97ATEX2521U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	Certificate No. (IECEX)	IECEXULDO5.0009U
IEC Ex certificate	IECEXULDO5.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	20 A
Wire cross section max. (IECEX)	2.5 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

Material data

Insulating material	Wemid	Material	Wemid
Colour	Red	UL 94 flammability rating	V-0

System specifications

Product family	Z-series	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	1
Number of connections	4	No. of clamping points per level	4
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes	PE connection	No

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	27141120	eClass 9.0	27141120

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Approvals

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ROHS

Conform