

**Z-series  
ZDU 2.5/10**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
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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**

Order No.	<a href="#">1626950000</a>
Type	ZDU 2.5/10
Version	Z-series, Feed-through terminal, Rated cross-section: Tension clamp connection, Wemid, Dark Beige
GTIN (EAN)	4008190206345
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Length	59.5 mm	Width	51 mm
Height	38.5 mm	Height of lowest version	39.5 mm
Net weight	75.9 g		

**Temperatures**

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

**Rated data IECEx/ATEX**

Certificate No. (ATEX)	KEMA97ATEX2521U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Max. voltage (IECEX)	550 V	Current (IECEX)	20 A
Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking ATEX Directive 94/9/EC	
			II 2 G D

**Additional technical data**

Explosion-tested version	Yes	Number of similar terminals	10
Open sides	right	Type of mounting	Snap-on
Version	Tension-clamp connection		

**CSA ratings data**

Certificate No. (CSA)	200039-1152892	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Current size B (CSA)	27 A
Current size C (CSA)	27 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 <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**Technical data****Clampable wires (rated connection)**

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

**Rated data**

Rated voltage	800 V	Rated impulse withstand voltage	8 kV
Rated current	24 A	Current at maximum wires	31 A
Standards	IEC 60947-7-1	Pollution severity	3

**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC38	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Current size B (UR)	25 A
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

**Material data**

Insulating material	Wemid	Material	Wemid
Colour	Beige	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	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

**Classifications**

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

**Data sheet...**

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**Technical data**

**Approvals**

Approvals



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