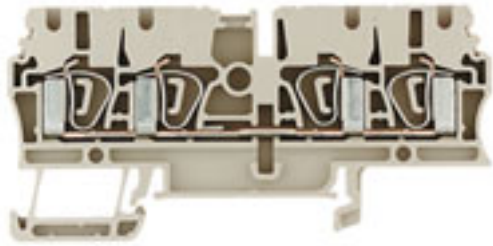


**Z terminal with tension spring connection
ZDU 2.5/4AN**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com



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.	1608570000
Type	ZDU 2.5/4AN
Version	Z terminal with tension spring connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, dark beige, Busbar
EAN	4008190077136
Qty.	100 pc(s).

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Technical data

Dimensions

Length	79.5 mm	Width	5.1 mm
Height	38.5 mm	Height of lowest version	39.5 mm

Temperatures

Operating temperature	-50 °C...+120 °C	Storage temperature	
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CSA ratings data

Certificate no.	200039-1152892	Voltage size B	600 V
Voltage size C	600 V	Voltage size D	600 V
Current size B (CSA)	27 A	Current size C (CSA)	27 A
Current size D (CSA)	5 A	Conductor cross-section, max.	12 AWG
Conductor cross-section, min.	26 AWG		

UL ratings data

Certificate no.	E60693VOL1SEC52	Voltage size C	600 V
Current size C (UR)	25 A	Conductor size Factory wiring max	12 AWG
Conductor size Factory wiring min	30 AWG	Conductor size Field wiring max	12 AWG

IECEX/ATEX rating data

Certificate no.	KEMA97ATEX2521U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	Certificate no.	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	max. voltage	550 V
Current (ATEX)	21 A	Conductor cross-section, max.	2.5 mm ²
max. voltage	550 V	Current (IECEX)	20 A
Conductor cross-section, max.	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	
			Ex e II

Material data

Material	Wemid	Colour	beige
Flammability class UL 94	V-0		

System specifications

Product family	Z terminal with tension spring connection	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	End cover plate required	Yes

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire cross-section, solid, max.	4 mm ²
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Technical data

Additional technical data

Explosion-tested version	Yes	Installation advice	Busbar
Number of identical terminals	1	Open sides	right
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Rated current	24 A	Type of connection	Tension clamp connection
Blade size	0.6 x 3.5 mm	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	Conductor connection cross-section AWG, min.	AWG 30
Conductor connection cross-section AWG, max.	AWG 12		

Conductors for clamping (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
Conductor cross-section, solid, min.	0.5 mm ²	Conductor cross-section, solid, max.	4 mm ²
Conductor cross-section, flexible, max.	4 mm ²	Conductor cross-section, flexible, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar 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	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	2.5 mm ²
Conductor connection cross-section AWG, min.	AWG 30	Conductor connection cross-section AWG, max.	AWG 12

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current with max. conductor	27 A	Standards	IEC 60947-7-1
Pollution severity	3		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
ETIM 4.0	EC000897	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-20	eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20		

Approvals

Approvals	BURVER; CE; CSA; CURUSEX; DETNORVER; GERMLLOYD; GOSTME25; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; RINA; UR; ROHS
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Datasheet**Z terminal with tension spring connection
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Technical data**Downloads**

STEP	1608570000_20775_ZDU_2.5-4AN_STP.stp
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[3D model](#)

Datasheet

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Drawings

