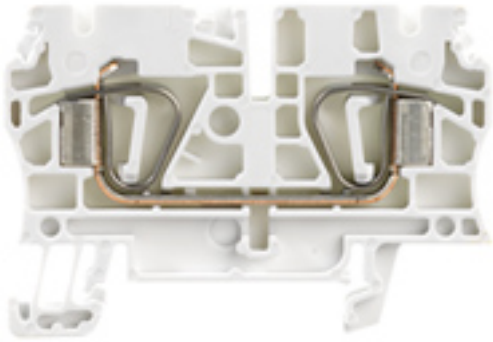
Z-series
ZDU 4 WS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

Type	ZDU 4 WS
Order No.	1683640000
Version	Z-series, Feed-through terminal, Rated cross-section: 4 mm², Tension clamp connection, Wemid, White
GTIN (EAN)	4008190476625
Qty.	100 pc(s).

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Technische Daten

Dimensions and weights

Length	62 mm	Width	6.1 mm
Height	43 mm	Height of lowest version	43.5 mm
Net weight	12.14 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	IEC Ex certificate	IECEXULD05.0009U_e.pdf
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm²	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
Marking ATEX Directive 94/9/EC	II 2 G D		

Additional technical data

Explosion-tested version	Yes	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)	200039-1152892	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Current size B (CSA)	35 A	Current size C (CSA)	35 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	10 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 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm²

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Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	12 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	2	Clamping range, rated connection, min.	0.13 mm²
Clamping range, rated connection, max.	6 mm²	Gauge to IEC 60947-1	A4
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	6 mm²
Wire connection cross section, stranded, rated connection, min.	0.5 mm²	Wire connection cross section, stranded, rated connection, max.	6 mm²
Wire connection cross section, finely stranded, max.	6 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm²	Twin wire-end ferrules, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 10

Rated data

Rated cross-section	4 mm²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Current at maximum wires	41 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)	33 A	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG

Material data

Insulating material	Wemid	Material	Wemid
Colour	White	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 3.0	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		

Product information

Descriptive text technical data	When using twin ferrules, the rated voltage is 690 V.

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Approvals

Approvals	
ROHS	Conform