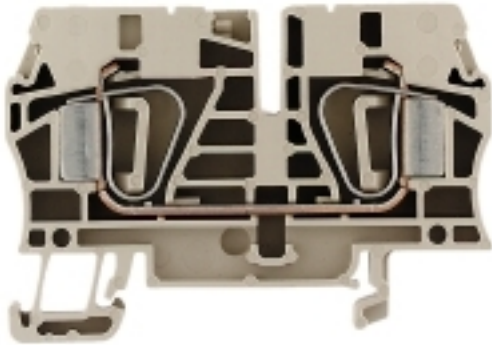


**Z-series
ZDU 6**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
www.weidmueller.com

**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

Type	ZDU 6
Order No.	1608620000
Version	Feed-through terminal, Tension clamp connection, 6 mm ² , 800 V, 41 A, Dark Beige
GTIN (EAN)	4008190207892
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Width	8.1 mm	Width (inches)	0.319 inch
Height	65 mm	Height (inches)	2.559 inch
Depth	45 mm	Depth (inches)	1.772 inch
Depth including DIN rail	45.5 mm	Net weight	17.19 g

Temperatures

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

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

Rating 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)	36 A	Wire cross section max. (ATEX)	6 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	36 A
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	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	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	50 A
Current size C (CSA)	50 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	10 mm ²
Clamping range, rated connection, min.	0.22 mm ²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	13 mm
Twin wire-end ferrules, max.	2.5 mm ²	Twin wire-end ferrules, min.	0.5 mm ²
Type of connection	Tension clamp connection	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	6 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, max.	6 mm ²
Wire connection cross section, solid core max. rated connection	10 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	50 A
Voltage size C (UR)	600 V		

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	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	1000 V DC rated voltage tested.
Descriptive text technical data	The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_ZDU 6.pdf DE_PT1101_20160418_1279_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

Safety notice [Safety Information](#)

Data sheet

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Drawings

