

**Z-series
ZDU 1.5 OR**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
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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 1.5 OR
Order No.	1775500000
Version	Feed-through terminal, Tension clamp connection, 1.5 mm ² , 500 V, 17.5 A, Orange
GTIN (EAN)	4032248181483
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Width	3.5 mm	Width (inches)	0.138 inch
Height	51.5 mm	Height (inches)	2.028 inch
Depth	36.5 mm	Depth (inches)	1.437 inch
Depth including DIN rail	37 mm	Net weight	4.64 g

Temperatures

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

Material	Wemid	Colour	Orange
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA01ATEX2 106U	ATEX certificate	KEMA01ATEX2 106U_d.pdf
ATEX certificate	KEMA01ATEX2 106U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0009U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	15 A	Wire cross section max. (ATEX)	1.5 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	15 A
Wire cross section max. (IECEX)	1.5 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 2014/34/EU label	II 2 G D		Ex e II

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)	200039-1 152892	Current size C (CSA)	20 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm	Clamping range, rated connection, max.	1.5 mm ²
Clamping range, rated connection, min.	0.05 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	B1
Number of connections	2	Stripping length	10 mm
Twin wire-end ferrules, max.	0.75 mm ²	Twin wire-end ferrules, min.	0.5 mm ²
Type of connection	Tension clamp connection	Wire connection cross section AWG, max.	AWG 16
Wire connection cross section AWG, min.	AWG 16	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	1.5 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, max.	1.5 mm ²
Wire connection cross section, solid core max. rated connection	1.5 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.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Rating data

Rated cross-section	1.5 mm ²	Rated voltage	500 V
Rated current	17.5 A	Current at maximum wires	17.5 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.83 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	14 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	14 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 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		

Data sheet**Z-series
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Technical data**Approvals**

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_ZDU 1.5.pdf DE_PT1101_20160418_1146_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

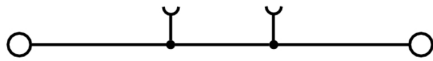
Safety notice	Safety Information
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Data sheet

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Drawings



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Accessories

End brackets



Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	1059000000	W-Series, End bracket	4008190172282	50 pc(s).
WEW 35/2	1061200000	W-Series, End bracket	4008190030230	100 pc(s).

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.4X2.0X60	9037160000	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm	4032248171613	1 pc(s).

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Accessories

Reduction Sleeves



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZRH 1.5S/1	1781950000	Accessories, Reducing sleeve	4032248199525	500 pc(s).

Covers



Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAD 7/4	1781940000	Z-series, Cover	4032248193431	20 pc(s).

Marking Holder



Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
BZT 2 WS 10/5	1805480000	Accessories, Marker holder	4032248270224	100 pc(s).
BZT 1 WS 10/5	1805490000	Accessories, Marker holder	4032248270231	100 pc(s).

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Accessories

BZT 1 ZA WS [1805520000](#)
 10/5

Accessories, Marker holder 4032248270248 100 pc(s).

ZQV 1.5



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 1.5/5	1776150000	Accessories, Cross-connector, 17.5 A	4032248236336	20 pc(s).
ZQV 1.5/3	1776130000	Accessories, Cross-connector, 17.5 A	4032248200153	60 pc(s).
ZQV 1.5/10	1776200000	Accessories, Cross-connector, 17.5 A	4032248200177	20 pc(s).
ZQV 1.5/2	1776120000	Accessories, Cross-connector, 17.5 A	4032248200139	60 pc(s).
ZQV 1.5/4	1776140000	Accessories, Cross-connector, 17.5 A	4032248200160	60 pc(s).

End plates



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW	1776030000	Z-series, End plate, Separation plate	4032248188116	20 pc(s).
ZAP/TW	1776040000	Z-series, End plate, Separation plate	4032248188123	20 pc(s).
ZAP/TW	1776050000	Z-series, End plate, Separation plate	4032248188130	20 pc(s).

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Accessories

Test adapter



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 5	1776210000	Accessories, Test adapter, 13.5 A	4032248190676	25 pc(s).
ZTA 5/ZA	1776220000	Accessories, Test adapter, 13.5 A	4032248190683	25 pc(s).

End bracket



Klippon® Connect with clamping yoke Technology
 The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 35	0383560000	Accessories, End bracket	4008190181314	50 pc(s).
EW 35 GR 7032	0383530000	Accessories, End bracket	4008190027322	50 pc(s).
EW 35/ SCHA/M3	0258660000	Accessories, End bracket	4008190033477	20 pc(s).

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/3.5 MC	1755270000	Dekafix, Terminal marker, 5	4032248017348	500 pc(s).
NE WS		x 3.5 mm, Pitch in mm (P): 3.50 Weidmueller, White		

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 12/3.5	1778270000	WS, Terminal marker, 12	4032248161041	600 pc(s).
MC NE WS		x 3.5 mm, Pitch in mm (P): 3.50 Weidmueller, Allen-Bradley, White		

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Accessories**End brackets****Spring connection with tension clamp Technology**

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Type	Order No.	Version	GTIN (EAN)	Qty.
ZEW 35	9540000000	Z-series, End bracket	4008190956264	20 pc(s).
ZEW 35/2	8630740000	Z-series, End bracket	4032248348916	20 pc(s).