

**Z-series
ZDU 2.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

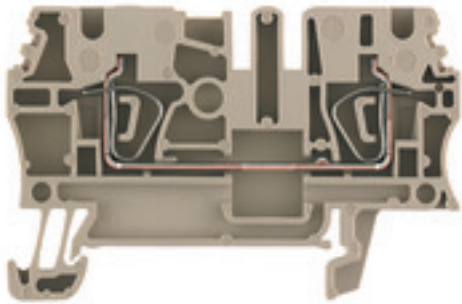
D-32758 Detmold

Germany

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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 2.5
Order No.	1608510000
Version	Feed-through terminal, Tension clamp connection, 2.5 mm ² , 800 V, 24 A, Dark Beige
GTIN (EAN)	4008190077969
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	59.5 mm	Height (inches)	2.343 inch
Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39.5 mm	Net weight	6.925 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	Certificate No. (IECEX)	IECEXULD05.0009U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm ²
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)	200039-1152892	Current size B (CSA)	27 A
Current size C (CSA)	27 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)	12 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 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	
Number of connections	2		A3
Type of connection	Tension clamp connection	Stripping length	10 mm
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12
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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
		Wire connection cross-section, finely stranded, min.	0.5 mm ²

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	31 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG	Current size C (UR)	25 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	Rated voltage is reduced to 400 V when using the cross-connector.
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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_ZDU 2.5.pdf DE_PT1101_20160418_1171_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

Safety notice	Safety Information
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Drawings



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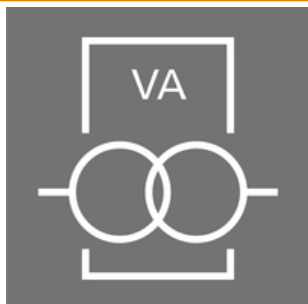
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Accessories
Test plug

Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
PS 2.3 RT	0180400000	Accessories, Test plug	4008190060121	20 pc(s).

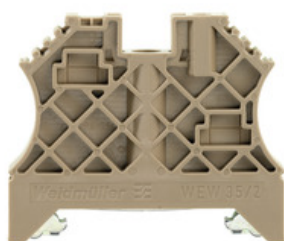
End bracket

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).

End brackets

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General ordering data

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

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Accessories

WEW 35/2 [1061200000](#) W-Series, End bracket 4008190030230 100 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 1 WS 10/5	1805490000	Accessories, Marker holder	4032248270231	100 pc(s).
BZT 2 WS 10/5	1805480000	Accessories, Marker holder	4032248270224	100 pc(s).
BZT 1 ZA WS 10/5	1805520000	Accessories, Marker holder	4032248270248	100 pc(s).

ZQV 2.5



Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/4	1608880000	Accessories, Cross-connector, 24 A	4008190082208	60 pc(s).
ZQV 2.5/6	1608900000	Accessories, Cross-connector, 24 A	4008190149840	20 pc(s).
ZQV 2.5/9	1608930000	Accessories, Cross-connector, 24 A	4008190117009	20 pc(s).
ZQV 2.5/5	1608890000	Accessories, Cross-connector, 24 A	4008190065713	20 pc(s).
ZQV 2.5/50	1697540000	Accessories, Cross-connector, 24 A	4008190883256	10 pc(s).
ZQV 2.5/2	1608860000	Accessories, Cross-connector, 24 A	4008190123680	60 pc(s).
ZQV 2.5/3	1608870000	Accessories, Cross-connector, 24 A	4008190061630	60 pc(s).

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Accessories

ZQV 2.5/7	1608910000	Accessories, Cross-connector, 24 A	4008190159665 20 pc(s).
ZQV 2.5/10	1608940000	Accessories, Cross-connector, 24 A	4008190099060 20 pc(s).
ZQV 2.5/8	1608920000	Accessories, Cross-connector, 24 A	4008190061531 20 pc(s).
ZQV 2.5/20	1908960000	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535293 20 pc(s).

End brackets



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General ordering data

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

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 12/5 MC	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00	4008190203481 720 pc(s).	
NE WS		Weidmüller, Allen-Bradley, White		

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Accessories
Test adapter

Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 1/ZA	1609050000	Accessories, Test adapter, 9 A	4008190206543	25 pc(s).
ZTA 1	1609040000	Accessories, Test adapter, 9 A	4008190196851	25 pc(s).

End plates

Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW 1 OR	1608760000	Z-series, End plate, Seperation plate	4008190190873	50 pc(s).
ZAP/TW 1 GN	1683680000	Z-series, End plate, Seperation plate	4008190476489	50 pc(s).
ZAP/TW 1 RT	1683660000	Z-series, End plate, Seperation plate	4008190483111	50 pc(s).
ZAP/TW 1	1608740000	Z-series, Accessories, End plate, Seperation plate	4008190190859	50 pc(s).
ZAP/TW 1 BL	1608750000	Z-series, Accessories, End plate, Seperation plate	4008190190866	50 pc(s).
ZAP/TW 1 GR	1683710000	Z-series, End plate, Seperation plate	4008190476793	50 pc(s).
ZAP/TW 1 SW	1683730000	Z-series, End plate, Seperation plate	4008190476885	50 pc(s).

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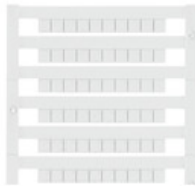
Accessories
Covers

Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAD 1/4	1609110000	Z-series, Cover	4008190190910 20 pc(s).	

Custom printing


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.

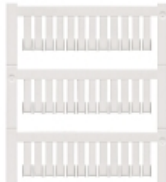
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC SDR	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, To customer specification	4008190456597 200 pc(s).	

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Accessories
Blank


ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 15/5 MC	1646630000	ZS, Terminal marker, 15 x 5	4008190401214	480 pc(s).
NE WS		mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White		

Tools


Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

General ordering data

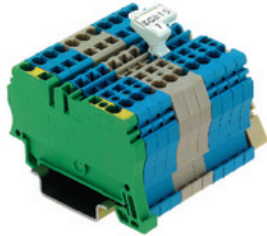
Type	Order No.	Version	GTIN (EAN)	Qty.
SDS	9008330000	Screwdriver, Blade width	4032248056286	1 pc(s).
0.6X3.5X100		(B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm		

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Accessories

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZGB 15	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053	20 pc(s).
ZGB 30	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).

Reduction Sleeves



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZRH 2.5/1 WS	1614300000	Z-series, Reducing sleeve	4008190206789	1,000 pc(s).
ZRH 2.5/3	1614280000	Z-series, Reducing sleeve	4008190206796	1,000 pc(s).
ZRH 2.5/2 GR/VO	1614290000	Z-series, Reducing sleeve	4008190072476	1,000 pc(s).