

**Z-series
ZTR 2.5-2 OR**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**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	ZTR 2.5-2 OR
Order No.	1779130000
Version	Test-disconnect terminal, Tension-clamp connection, 2.5 mm ² , 400 V, 10 A, Pivoting, orange
GTIN (EAN)	4032248184682
Qty.	50 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Width	5.1 mm	Width (inches)	0.201 inch
Height	50.5 mm	Height (inches)	1.988 inch
Depth	43.5 mm	Depth (inches)	1.713 inch
Depth including DIN rail	44 mm	Net weight	7 g

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	orange
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, Spacer, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	10 A
Current size C (CSA)	10 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	300 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1.5 mm ²
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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	2.5 mm ²
Clamping range, min.	0.13 mm ²	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A2	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	2.5 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	Pivoting		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated current	10 A	Current at maximum wires	21 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated impulse withstand voltage	6 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)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size D (UR)	10 A
Voltage size D (UR)	300 V		

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
eClass 9.0	27-14-11-26	eClass 9.1	27-14-11-26
eClass 10.0	27-14-11-26	UNSPSC	30-21-18-11

Approvals

Approvals



ROHS

Conform

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

Approval/Certificate/Document of Conformity	DE_PT1142_20160418_1499_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

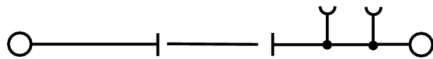
Safety notice	Safety Information
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Data sheet

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Drawings



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Accessories

Test adapter



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	ZTA 4	Version
Order No.	1688110000	Accessories, Test adapter, 11 A
GTIN (EAN)	4008190855666	
Qty.	25 pc(s).	

STR transparent strips



The various terminal markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

General ordering data

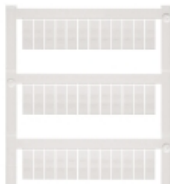
Type	STR 7 F.SCHT 7	Version
Order No.	0515300000	Terminal markers, Protective cap, 27 x 6.3 mm, Transparent
GTIN (EAN)	4008190182175	
Qty.	20 pc(s).	

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Accessories

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

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 14/5 MC NE WS	Version	
Order No.	1768090000	WS, Terminal marker, 14 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4032248106271	white	
Qty.	480 pc(s).		

End brackets



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

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Accessories

Reduction Sleeves



Spring connection with tension clamp Technology

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General ordering data

Type	ZRH 1.5H/1	Version
Order No.	1678810000	Z-series, Reducing sleeve
GTIN (EAN)	4008190487324	
Qty.	1,000 pc(s).	
Type	ZRH 1.5H/2	Version
Order No.	1678800000	Z-series, Reducing sleeve
GTIN (EAN)	4008190487317	
Qty.	1,000 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

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

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

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Accessories**ZQV 2.5****Spring connection with tension clamp Technology**

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General ordering data

Type	ZQV 2.5/2	Version
Order No.	1608860000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190123680	
Qty.	60 pc(s).	
Type	ZQV 2.5/6	Version
Order No.	1608900000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190149840	
Qty.	20 pc(s).	
Type	ZQV 2.5/4	Version
Order No.	1608880000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190082208	
Qty.	60 pc(s).	
Type	ZQV 2.5/5	Version
Order No.	1608890000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190065713	
Qty.	20 pc(s).	
Type	ZQV 2.5/3	Version
Order No.	1608870000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061630	
Qty.	60 pc(s).	
Type	ZQV 2.5/50	Version
Order No.	1697540000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190883256	
Qty.	10 pc(s).	
Type	ZQV 2.5/7	Version
Order No.	1608910000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190159665	
Qty.	20 pc(s).	
Type	ZQV 2.5/9	Version
Order No.	1608930000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190117009	
Qty.	20 pc(s).	
Type	ZQV 2.5/10	Version
Order No.	1608940000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190099060	
Qty.	20 pc(s).	
Type	ZQV 2.5/8	Version
Order No.	1608920000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061531	
Qty.	20 pc(s).	

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Data sheet

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Accessories

Type	ZQV 2.5/20	Version
Order No.	1908960000	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535293	
Qty.	20 pc(s).	

Slotted screwdriver

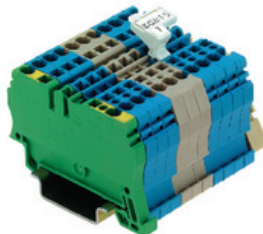
Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



General ordering data

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

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	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30/3.5	Version
Order No.	1778290000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161065	white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	white
Qty.	20 pc(s).	

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Accessories

Covers



Spring connection with tension clamp Technology

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General ordering data

Type	ZAD 1/4-2 GE	Version
Order No.	1764560000	Z-series, Cover
GTIN (EAN)	4032248066063	
Qty.	20 pc(s).	

End plates



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	ZAP/TW7 BL	Version
Order No.	1706120000	Z-series, End plate, Separation plate
GTIN (EAN)	4008190915469	
Qty.	50 pc(s).	
Type	ZAP/TW7 OR	Version
Order No.	1706130000	Z-series, End plate, Separation plate
GTIN (EAN)	4008190915476	
Qty.	50 pc(s).	
Type	ZAP/TW7	Version
Order No.	1706110000	Z-series, End plate, Separation plate
GTIN (EAN)	4008190915452	
Qty.	50 pc(s).	

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Accessories
ESO insert tags


The various terminal markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

General ordering data

Type	ESO 5 P DIN A4 WS	Version
Order No.	1670370000	Terminal markers, Insert markers, 40 x 16.5 mm, white
GTIN (EAN)	4008190430696	
Qty.	10 pc(s).	
Type	ESO 5 DIN A4 WS	Version
Order No.	1607710000	Terminal markers, Insert markers, 40 x 16.5 mm, white
GTIN (EAN)	4008190206109	
Qty.	10 pc(s).	
Type	ESO 7 DIN A4 WS	Version
Order No.	1607720000	Terminal markers, Insert markers, 27 x 6.3 mm, white
GTIN (EAN)	4008190206116	
Qty.	10 pc(s).	
Type	ESO 7 P DIN A4 GE	Version
Order No.	1670400000	Terminal markers, Insert markers, 27 x 6.3 mm, yellow
GTIN (EAN)	4008190430726	
Qty.	10 pc(s).	
Type	ESO 8 DIN A4 WS	Version
Order No.	1607730000	Terminal markers, Insert markers, 24.5 x 5 mm, white
GTIN (EAN)	4008190206123	
Qty.	10 pc(s).	
Type	ESO 5 S DIN A4 WS	Version
Order No.	1631920000	Terminal markers, Insert markers, 40 x 7 mm, white
GTIN (EAN)	4008190206673	
Qty.	10 pc(s).	
Type	ESO 5 DIN A4 GE	Version
Order No.	1631350000	Terminal markers, Insert markers, 40 x 16.5 mm, yellow
GTIN (EAN)	4008190206208	
Qty.	10 pc(s).	
Type	ESO 7 P DIN A4 WS	Version
Order No.	1670390000	Terminal markers, Insert markers, 27 x 6.3 mm, white
GTIN (EAN)	4008190430719	
Qty.	10 pc(s).	
Type	ESO 5 P DIN A4 GE	Version
Order No.	1670380000	Terminal markers, Insert markers, 40 x 16.5 mm, yellow
GTIN (EAN)	4008190430702	
Qty.	10 pc(s).	
Type	ESO 15 DIN A4 WS	Version
Order No.	1636510000	Terminal markers, Insert markers, 15 x 6 mm, white
GTIN (EAN)	4008190425494	
Qty.	10 pc(s).	

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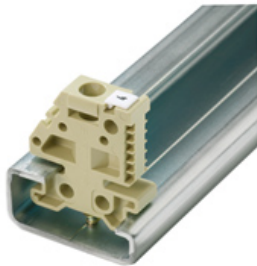
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Accessories

Type	ESO 7 DIN A4 GE	Version
Order No.	1634780000	Terminal markers, Insert markers, 27 x 6.3 mm, yellow
GTIN (EAN)	4008190273361	
Qty.	10 pc(s).	
Type	ESO/SCHS1 500X12,5X0,3	Version
Order No.	0139000000	Terminal markers, Insert markers, 500 x 12.5 mm, white
GTIN (EAN)	4008190047252	
Qty.	100 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	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	
Type	EW 35 GR 7032	Version
Order No.	0383530000	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	
Type	EW 35/SCHA/M3	Version
Order No.	0258660000	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 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

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ZS 10/5 MC NE WS	Version
Order No.	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 pc(s).	

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