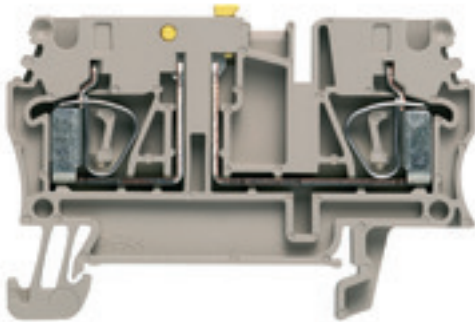


**Z-series  
ZTR 2.5**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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
Order No.	<a href="#">1831280000</a>
Version	Test-disconnect terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 500 V, 20 A, Pivoting, dark beige
GTIN (EAN)	4032248422036
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	41 mm	Net weight	8.67 g

**Temperatures**

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

Material	Wemid	Colour code	dark beige
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
No. 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
Number of similar terminals	2	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	200039-1152892	Current size C (CSA)	20 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**Technical data****Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A3	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 30
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**Disconnect terminals**

Cross-disconnect	without	Integral test socket	Yes
Slitting	Pivoting		

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	500 V
Rated current	20 A	Current at maximum wires	20 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
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)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG	Current size C (UR)	20 A
Voltage size C (UR)	600 V		

**Classifications**

ETIM 3.0	EC000902	ETIM 4.0	EC000902
ETIM 5.0	EC000902	ETIM 6.0	EC000902
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-26
eClass 6.2	27-14-11-26	eClass 7.1	27-14-11-26
eClass 8.1	27-14-11-26	eClass 9.0	27-14-11-26
eClass 9.1	27-14-11-26		

**Product information**

Descriptive text technical data	2.5 mm <sup>2</sup> ; flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Instructions for accessories	If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

**Data sheet****Z-series  
ZTR 2.5**

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1102\\_20160414\\_291\\_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Engineering Data

[36283\\_ZTR\\_2.5\\_DXF.dxf](#)  
[STEP](#)**Safety note**

Safety notice

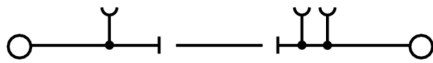
[Safety Information](#)

**Data sheet**

**Z-series**  
**ZTR 2.5**

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**Drawings**



## Z-series ZTR 2.5

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# Accessories

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

## 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	<a href="#">0180400000</a>	Accessories, Test plug	4008190060121	20 pc(s).

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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	<a href="#">1609050000</a>	Accessories, Test adapter, 9 A	4008190206543	25 pc(s).
ZTA 1	<a href="#">1609040000</a>	Accessories, Test adapter, 9 A	4008190196851	25 pc(s).

**Disconnect plug**



**DCS marshalling**

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
TNST	<a href="#">1833090000</a>	Accessories, Disconnect plug, 20 A	4032248471485	50 pc(s).

**Marking Holder**



**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	Order No.	Version	GTIN (EAN)	Qty.
BZT 1 WS	<a href="#">1805490000</a>	Accessories, Marker holder	4032248270231	100 pc(s).

10/5

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**Accessories**

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

Accessories, Marker holder 4032248270248 100 pc(s).

**ZQV 2.5**

**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	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/6	<a href="#">1608900000</a>	Accessories, Cross-connector, 24 A	4008190149840	20 pc(s).
ZQV 2.5/20	<a href="#">1908960000</a>	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535293	20 pc(s).
ZQV 2.5/50	<a href="#">1697540000</a>	Accessories, Cross-connector, 24 A	4008190883256	10 pc(s).
ZQV 2.5/7	<a href="#">1608910000</a>	Accessories, Cross-connector, 24 A	4008190159665	20 pc(s).
ZQV 2.5/8	<a href="#">1608920000</a>	Accessories, Cross-connector, 24 A	4008190061531	20 pc(s).
ZQV 2.5/4	<a href="#">1608880000</a>	Accessories, Cross-connector, 24 A	4008190082208	60 pc(s).
ZQV 2.5/3	<a href="#">1608870000</a>	Accessories, Cross-connector, 24 A	4008190061630	60 pc(s).
ZQV 2.5/10	<a href="#">1608940000</a>	Accessories, Cross-connector, 24 A	4008190099060	20 pc(s).
ZQV 2.5/9	<a href="#">1608930000</a>	Accessories, Cross-connector, 24 A	4008190117009	20 pc(s).
ZQV 2.5/2	<a href="#">1608860000</a>	Accessories, Cross-connector, 24 A	4008190123680	60 pc(s).
ZQV 2.5/5	<a href="#">1608890000</a>	Accessories, Cross-connector, 24 A	4008190065713	20 pc(s).

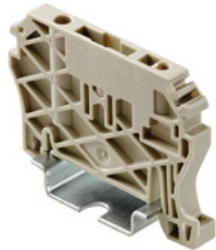


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**Accessories**

**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	Order No.	Version	GTIN (EAN)	Qty.
ZEW 35/2	<a href="#">8630740000</a>	Z-series, End bracket	4032248348916	20 pc(s).
ZEW 35	<a href="#">9540000000</a>	Z-series, End bracket	4008190956264	20 pc(s).

**Reduction Sleeves**



**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	Order No.	Version	GTIN (EAN)	Qty.
ZRH 2.5/2 GR/VO	<a href="#">1614290000</a>	Z-series, Reducing sleeve	4008190072476	1,000 pc(s).
ZRH 2.5/3	<a href="#">1614280000</a>	Z-series, Reducing sleeve	4008190206796	1,000 pc(s).
ZRH 2.5/1 WS	<a href="#">1614300000</a>	Z-series, Reducing sleeve	4008190206789	1,000 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	Order No.	Version	GTIN (EAN)	Qty.
WS 12/5 MC	<a href="#">1609860000</a>	WS, Terminal marker, 12 x	4008190203481	720 pc(s).
NE WS		5 mm, Pitch in mm (P): 5.00	Weidmueller, Allen-Bradley,	
		white		

**Tools**



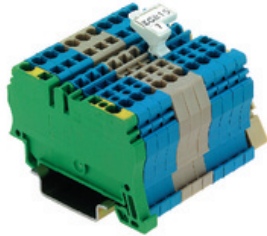
Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS	<a href="#">9008330000</a>	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	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 white	4008190297053	20 pc(s).
ZGB 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 white	4008190002251	20 pc(s).

**Fuse carrier****DCS marshalling**

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SIHA 3/G20/ LD 140-250V	<a href="#">7921600000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid, dark beige, Operating instructions/catalogue	4032248322633	25 pc(s).
SIHA 3/G20/ LD 60-150V	<a href="#">7921590000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid, dark beige, Operating instructions/catalogue	4032248322626	25 pc(s).
SIHA 3/G20/ LD 35-70V	<a href="#">7921580000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid, dark beige, Operating instructions/catalogue	4032248322619	25 pc(s).
SIHA 3/G20/ LD 10-36V	<a href="#">7921570000</a>	Accessories, Fuse holder, Rated cross-section: Plug-in connection, Wemid,	4032248322503	25 pc(s).

Creation date March 1, 2019 4:51:48 PM CET

Catalogue status 15.02.2019 / We reserve the right to make technical changes.

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**Accessories**

dark beige, Operating  
 instructions/catalogue

**Component plug**



**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.
BEST/D	<a href="#">1878560000</a>	Accessories, Component plug, 1 A	403224847 1492 50	pc(s).
BEST/DRBR	<a href="#">1878570000</a>	Accessories, Component plug, 22 A	403224847 1508 50	pc(s).
BEST	<a href="#">1833100000</a>	Accessories, Component plug	403224850 1014 50	pc(s).

**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

**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**

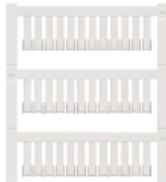
Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC NE WS	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, white	4008190397111	1,000 pc(s).

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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	Order No.	Version	GTIN (EAN)	Qty.
ZS 15/5 MC	<a href="#">1646630000</a>	ZS, Terminal marker, 15 x 5	4008190401214	480 pc(s).
NE WS		mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, white		