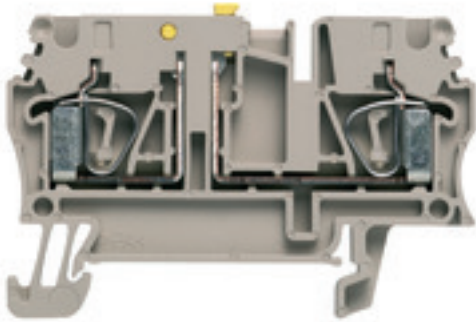


**Z-series
ZTR 2.5**

Weidmüller Interface GmbH & Co. KG
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**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.	1831280000
Version	Test-disconnect terminal, Tension clamp connection, 2.5 mm ² , 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	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, Disconnection element, 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
Mounting 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 ²
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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	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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 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.	4 mm ²
Wire connection cross section, solid core max. rated connection	4 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.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	Pivoting		

Rating data

Rated cross-section	2.5 mm ²	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 ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Descriptive text accessories	If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

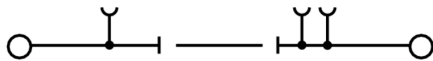
Approval/Certificate/Document of Conformity	DE_PT1102_20160414_291_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	1831280000_36238_ZTR_2_5_STP.stp 36283_ZTR_2.5_DXF.dxf STEP

Safety note

Safety notice	Safety Information
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Data sheet**Z-series
ZTR 2.5**

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Drawings

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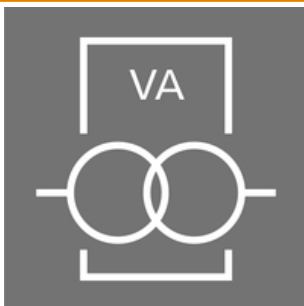
Accessories
Fuse carrier

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 60-150V	7921590000	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	7921580000	Accessories, Fuse holder, Rated cross-section: Plug- in connection, Wemid, Dark Beige, Operating instructions/catalogue	4032248322619 25 pc(s).	
SIHA 3/G20/ LD 140-250V	7921600000	Accessories, Fuse holder, Rated cross-section: Plug- in connection, Wemid, Dark Beige, Operating instructions/catalogue	4032248322633 25 pc(s).	
SIHA 3/G20/ LD 10-36V	7921570000	Accessories, Fuse holder, Rated cross-section: Plug- in connection, Wemid, Dark Beige, Operating instructions/catalogue	4032248322503 25 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	0180400000	Accessories, Test plug	4008190060121 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 5/5 MC NE WS	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, White	4008190397111	1,000 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 2.5/4	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).
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).

Z-series ZTR 2.5

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Accessories

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



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	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		Weidmueller, 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

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 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).

Z-series
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Accessories
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	1833100000	Accessories, Component plug	4032248501014	50 pc(s).
BEST/DRBR	1878570000	Accessories, Component plug, 22 A	4032248471508	50 pc(s).
BEST/D	1878560000	Accessories, Component plug, 1 A	4032248471492	50 pc(s).

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.

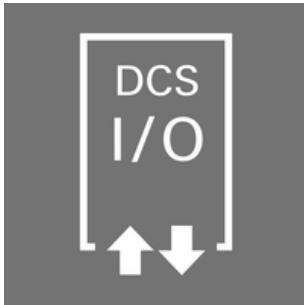
- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

General ordering data

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

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Accessories
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	1833090000	Accessories, Disconnect plug, 20 A	403224847 1485 50 pc(s).	

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 0.6X3.5X100	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286 1 pc(s).	

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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

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 2.5/1 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).