

**ZSI 2.5/LD 250AC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

Version	Z-series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting
Order No.	<a href="#">1616410000</a>
Type	ZSI 2.5/LD 250AC
GTIN (EAN)	4008190196844
Qty.	50 pc(s).

Creation date January 13, 2022 6:38:25 AM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Depth	73 mm	Depth (inches)	2.874 inch
Depth including DIN rail	74 mm	Height	79.5 mm
Height (inches)	3.13 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	19.81 g

**Temperatures**

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50
Continuous operating temp., max.	120		

**Material data**

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

**System specifications**

Version	Tension-clamp connection, Fuse cartridge, with LED, 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
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	200039-1152892	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.	2.5 mm <sup>2</sup>	Connection direction	top
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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.	0.13 mm <sup>2</sup>	Connection direction	Inclined / angled
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 26
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 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, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## Display element

Current	6.3 A	Operating voltage for display, max.	250 V
Operating voltage for display, min.	140 V	Type of voltage for indicator	AC/DC

## Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Current	6.3 A
Display	Red LED	Fuse holder (cartridge holder)	Pivoting
Operating voltage, max.	250 V	Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 41°C
Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 2.5 A @ 27°C	Power loss for short-circuit protection only for a composite arrangement	2.5 W at 6.3 A @ 55°C
Power loss for short-circuit protection only for an individual arrangement	4.0 W at 6.3 A @ 52°C	Type of voltage for indicator	AC/DC

## General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-3	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	250 V
Rated voltage to adjoining terminal	500 V	Rated current	6.3 A
Current at maximum wires	6.3 A	Standards	IEC 60947-7-3
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	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		

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**Technical data****Classifications**

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ECLASS 9.0	27-14-11-16
ECLASS 9.1	27-14-11-16	ECLASS 10.0	27-14-11-16
ECLASS 11.0	27-14-11-16		

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">Llyods Register Certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Beipackzettel_SAKS_GL_LD.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">BPZL Z-Series</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

## ZSI 2.5/LD 250AC

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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

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

## STR transparent strips



### General ordering data

Type	STR 7 F.SCHT 7	Version	
Order No.	<a href="#">0515300000</a>		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 PrintJet CONNECT oder/or Plotter is possible.

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

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### General ordering data

Type	WS 10/15 MC NE WS	Version
Order No.	<a href="#">1854090000</a>	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 pc(s).	

### 6 mm<sup>2</sup>



The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

### General ordering data

Type	ZQV 6/2 GE	Version
Order No.	<a href="#">1627850000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200428	
Qty.	60 pc(s).	
Type	ZQV 6/3 GE	Version
Order No.	<a href="#">1627860000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200435	
Qty.	60 pc(s).	
Type	ZQV 6/4 GE	Version
Order No.	<a href="#">1627870000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200442	
Qty.	60 pc(s).	
Type	ZQV 6/24 GE	Version
Order No.	<a href="#">1908990000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4032248535309	
Qty.	10 pc(s).	

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## ZSI 2.5/LD 250AC

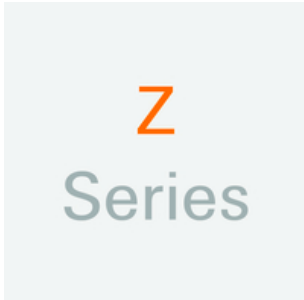
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## Accessories

Type	ZQV 6/32 GE	Version	
Order No.	<a href="#">1733640000</a>	Accessories, Cross-connector, 41 A	
GTIN (EAN)	4008190994334		
Qty.	10 pc(s).		

## Z-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

### General ordering data

Type	ZTA 1	Version	
Order No.	<a href="#">1609040000</a>	Accessories, Test adapter, 9 A	
GTIN (EAN)	4008190196851		
Qty.	25 pc(s).		

Type	ZTA 1/ZA	Version	
Order No.	<a href="#">1609050000</a>	Accessories, Test adapter, 9 A	
GTIN (EAN)	4008190206543		
Qty.	25 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

**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.	<a href="#">1610000000</a>	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190263171	Allen-Bradley, white	
Qty.	480 pc(s).		

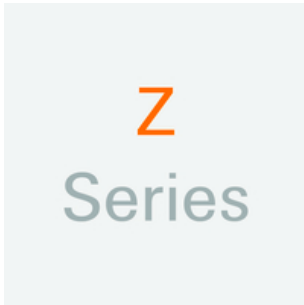
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**Accessories**

**Z-Series**



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	ZST 1	Version
Order No.	<a href="#">1269070000</a>	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 pc(s).	

**Slotted screwdriver**



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

**General ordering data**

Type	SDIS SLIM 0.6X3.5X100	Version
Order No.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118896350	
Qty.	1 pc(s).	



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## General ordering data

Type	WS 10/5 M MC NE WS	Version
Order No.	<a href="#">1792000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 pc(s).	
Type	WS 10/5 MC NE WS	Version
Order No.	<a href="#">1635000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	

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- Can be fitted in strips or individually
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## General ordering data

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

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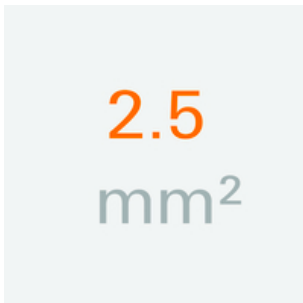
- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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### General ordering data

Type	ZS 12/6 MC NE WS	Version
Order No.	<a href="#">1610020000</a>	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190444600	Allen-Bradley, white
Qty.	400 pc(s).	

## 2.5 mm<sup>2</sup>



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

### General ordering data

Type	ZAP/TW 3 WS	Version
Order No.	<a href="#">1683880000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477608	
Qty.	50 pc(s).	
Type	ZAP/TW 3 SW	Version
Order No.	<a href="#">1683890000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477615	
Qty.	50 pc(s).	
Type	ZAP/TW 3 GN	Version
Order No.	<a href="#">1683840000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477561	
Qty.	50 pc(s).	
Type	ZAP/TW 3	Version
Order No.	<a href="#">1608800000</a>	Z-series, Accessories, End plate, Partition plate
GTIN (EAN)	4008190190927	
Qty.	50 pc(s).	

## ZSI 2.5/LD 250AC

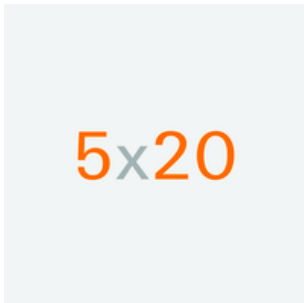
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## Accessories

Type	ZAP/TW 3 GR	Version
Order No.	<a href="#">1683870000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477592	
Qty.	50 pc(s).	
Type	ZAP/TW 3 BL	Version
Order No.	<a href="#">1608810000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190934	
Qty.	50 pc(s).	
Type	ZAP/TW 3 RT	Version
Order No.	<a href="#">1683820000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477547	
Qty.	50 pc(s).	
Type	ZAP TNHE/ZSI2.5	Version
Order No.	<a href="#">1610840000</a>	Z-series, End plate
GTIN (EAN)	4008190263379	
Qty.	25 pc(s).	
Type	ZAP/TW 3 OR	Version
Order No.	<a href="#">1608820000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190941	
Qty.	50 pc(s).	

## 5x20



For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

## General ordering data

Type	G 20/0.25A/F	Version
Order No.	<a href="#">0430500000</a>	Active components, Fuse
GTIN (EAN)	4008190153991	
Qty.	10 pc(s).	
Type	G 20/6.30A/F	Version
Order No.	<a href="#">0431400000</a>	Active components, Fuse
GTIN (EAN)	4008190086053	
Qty.	10 pc(s).	
Type	G 20/0.50A/F	Version
Order No.	<a href="#">0430600000</a>	Active components, Fuse
GTIN (EAN)	4008190046835	
Qty.	10 pc(s).	
Type	G 20/0.10A/F	Version
Order No.	<a href="#">0430300000</a>	Active components, Fuse
GTIN (EAN)	4008190077174	
Qty.	10 pc(s).	

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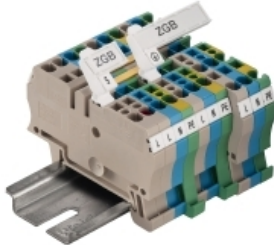
## Accessories

Type	G 20/2.50A/F	Version
Order No.	<a href="#">0431000000</a>	Active components, Fuse
GTIN (EAN)	4008190085513	
Qty.	10 pc(s).	
Type	G 20/1.60A/F	Version
Order No.	<a href="#">0430800000</a>	Active components, Fuse
GTIN (EAN)	4008190031503	
Qty.	10 pc(s).	
Type	G 20/0.63A/F	Version
Order No.	<a href="#">0439000000</a>	Active components, Fuse
GTIN (EAN)	4008190131210	
Qty.	10 pc(s).	
Type	G 20/5.00A/F	Version
Order No.	<a href="#">0431300000</a>	Active components, Fuse
GTIN (EAN)	4008190185381	
Qty.	10 pc(s).	
Type	G 20/2.00A/F	Version
Order No.	<a href="#">0430900000</a>	Active components, Fuse
GTIN (EAN)	4008190123567	
Qty.	10 pc(s).	
Type	G 20/4.00A/F	Version
Order No.	<a href="#">0431200000</a>	Active components, Fuse
GTIN (EAN)	4008190022983	
Qty.	10 pc(s).	
Type	G 20/1.00A/F	Version
Order No.	<a href="#">0430700000</a>	Active components, Fuse
GTIN (EAN)	4008190093877	
Qty.	10 pc(s).	
Type	G 20/0.20A/F	Version
Order No.	<a href="#">0430400000</a>	Active components, Fuse
GTIN (EAN)	4008190152383	
Qty.	10 pc(s).	
Type	G 20/3.15A/F	Version
Order No.	<a href="#">0431100000</a>	Active components, Fuse
GTIN (EAN)	4008190012977	
Qty.	10 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	ZGB 30/3.5	Version
Order No.	<a href="#">1778290000</a>	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.	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 15	Version
Order No.	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	

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