

**Z-series  
ZSI 2.5/LD 120AC**

**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	ZSI 2.5/LD 120AC
Order No.	<a href="#">1616420000</a>
Version	Z-series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige, Direct mounting
GTIN (EAN)	4008190196837
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	7.9 mm	Width (inches)	0.311 inch
Height	79.5 mm	Height (inches)	3.13 inch
Depth	73 mm	Depth (inches)	2.874 inch
Depth including DIN rail	74 mm	Net weight	21.36 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	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>
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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 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>

**Display element**

Current	6.3 A	Operating voltage for display, max.	150 V
Operating voltage for display, min.	60 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.	120 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

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	120 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	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		

**Classifications**

ETIM 6.0	EC000899	ETIM 7.0	EC000899
eClass 9.0	27-14-11-16	eClass 9.1	27-14-11-16
eClass 10.0	27-14-11-16	UNSPSC	30-21-18-11

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">DE_PT1103_20160418_1434_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD_Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Beipackzettel_SAKS_GL_LD.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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## Accessories

### Blank



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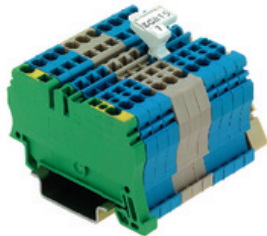
- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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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).	

### 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	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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**Accessories****ZQV 6****Spring connection with tension clamp Technology**

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**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 6/24 GE	Version
Order No.	<a href="#">1908990000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4032248535309	
Qty.	10 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 6/32 GE	Version
Order No.	<a href="#">1733640000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190994334	
Qty.	10 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).	

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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



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.	<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****Fuses****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	G 20/1.00A/F	Version
Order No.	<a href="#">0430700000</a>	Active components, Fuse
GTIN (EAN)	4008190093877	
Qty.	10 pc(s).	
Type	G 20/0.10A/F	Version
Order No.	<a href="#">0430300000</a>	Active components, Fuse
GTIN (EAN)	4008190077174	
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 20/0.50A/F	Version
Order No.	<a href="#">0430600000</a>	Active components, Fuse
GTIN (EAN)	4008190046835	
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 20/2.50A/F	Version
Order No.	<a href="#">0431000000</a>	Active components, Fuse
GTIN (EAN)	4008190085513	
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 20/0.25A/F	Version
Order No.	<a href="#">0430500000</a>	Active components, Fuse
GTIN (EAN)	4008190153991	
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 20/5.00A/F	Version
Order No.	<a href="#">0431300000</a>	Active components, Fuse
GTIN (EAN)	4008190185381	
Qty.	10 pc(s).	



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## Accessories

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 20/0.63A/F	Version
Order No.	<a href="#">0439000000</a>	Active components, Fuse
GTIN (EAN)	4008190131210	
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).	

## 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/TW 3	Version
Order No.	<a href="#">1608800000</a>	Z-series, Accessories, End plate, Separation plate
GTIN (EAN)	4008190190927	
Qty.	50 pc(s).	
Type	ZAP/TW 3 GR	Version
Order No.	<a href="#">1683870000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477592	
Qty.	50 pc(s).	
Type	ZAP/TW 3 OR	Version
Order No.	<a href="#">1608820000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190190941	
Qty.	50 pc(s).	
Type	ZAP/TW 3 GN	Version
Order No.	<a href="#">1683840000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477561	
Qty.	50 pc(s).	
Type	ZAP/TW 3 RT	Version
Order No.	<a href="#">1683820000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477547	
Qty.	50 pc(s).	
Type	ZAP/TW 3 SW	Version
Order No.	<a href="#">1683890000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477615	
Qty.	50 pc(s).	

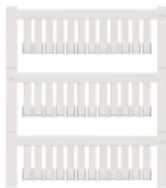
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**Accessories**

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 WS	Version
Order No.	<a href="#">1683880000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477608	
Qty.	50 pc(s).	
Type	ZAP/TW 3 BL	Version
Order No.	<a href="#">1608810000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190190934	
Qty.	50 pc(s).	

**Blank**



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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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**Accessories**

**Test adapter**



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**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).	

**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.	<a href="#">9008330000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4032248056286	
Qty.	1 pc(s).	

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### 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).	

## 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

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### General ordering data

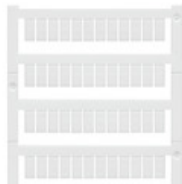
Type	WS 10/15 MC NE WS	Version
Order No.	<a href="#">1854090000</a>	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 pc(s).	

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**Accessories**

**Blank**



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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).	