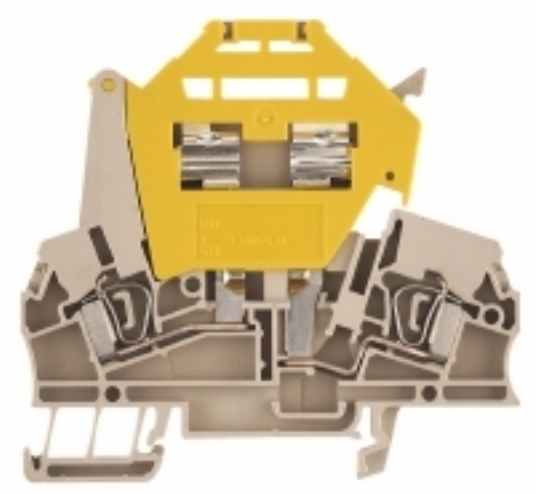
ZSI 2.5/5X25

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

Version	Z-series, Fuse terminal, Rated cross-section: 2.5 mm², Tension-clamp connection, dark beige, Direct mounting
Order No.	1730900000
Type	ZSI 2.5/5X25
GTIN (EAN)	4008190389673
Qty.	50 pc(s).

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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	20.94 g

Temperatures

Storage temperature	-25 °C...55 °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, Without 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
Open sides	right	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²	Connection direction	top
Connection type, additional connection	Tension-clamp connection		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm²
Clamping range, min.	0.13 mm²
Connection direction	Inclined / angled
Gauge to IEC 60947-1	A3
Number of connections	2
Stripping length	10 mm

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Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	max.	10 mm
		min.	6 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	max.	12 mm
		min.	8 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	2.5 mm²

Type of connection	Tension-clamp connection
Type of connection 2	Tension-clamp connection
Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

Display element

Type of voltage for indicator	AC/DC

Fuse terminals

Cartridge fuse	G-Si. 5 x 25	Display	Without LED
Fuse holder (cartridge holder)	for screw fixing	Operating voltage, max.	500 V
Type of voltage for indicator	AC/DC		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-3		

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Technical data

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	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		

Classifications

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ETIM 9.0	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
ECLASS 12.0	27-14-11-16	ECLASS 13.0	27-25-01-13

Important note

Product information	The voltage depends on the selected fuse element or the selected indicator light

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	DNVGL certificate CB Certificate CB Certificate CB Certificate Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks User Manual Z-Series
Catalogues	Catalogues in PDF-format
Brochures	

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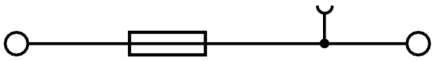
Drawings



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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 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	Version
Order No.	1611930000	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 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).	

STR transparent strips

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

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.	1609040000	Accessories, Test adapter, 9 A
GTIN (EAN)	4008190196851	
Qty.	25 pc(s).	

Type	ZTA 1/ZA	Version
Order No.	1609050000	Accessories, Test adapter, 9 A
GTIN (EAN)	4008190206543	
Qty.	25 pc(s).	

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.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 pc(s).	

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Accessories

Blank

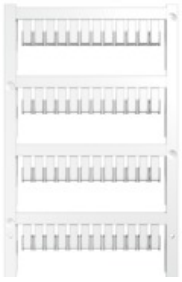
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.
WS markers are ideal for labels with long, 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

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 10/15 MC NE WS	Version
Order No.	1854090000	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 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

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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).	

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Accessories

2.5 mm²

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 TNHE/ZSI2.5	Version
Order No.	1610840000	Z-series, End plate
GTIN (EAN)	4008190263379	
Qty.	25 pc(s).	
Type	ZAP/TW 3 GR	Version
Order No.	1683870000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477592	
Qty.	50 pc(s).	
Type	ZAP/TW 3 WS	Version
Order No.	1683880000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477608	
Qty.	50 pc(s).	
Type	ZAP/TW 3 SW	Version
Order No.	1683890000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477615	
Qty.	50 pc(s).	
Type	ZAP/TW 3 OR	Version
Order No.	1608820000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190941	
Qty.	50 pc(s).	
Type	ZAP/TW 3	Version
Order No.	1608800000	Z-series, Accessories, End plate, Partition plate
GTIN (EAN)	4008190190927	
Qty.	50 pc(s).	
Type	ZAP/TW 3 RT	Version
Order No.	1683820000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477547	
Qty.	50 pc(s).	
Type	ZAP/TW 3 BL	Version
Order No.	1608810000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190190934	
Qty.	50 pc(s).	
Type	ZAP/TW 3 GN	Version
Order No.	1683840000	Z-series, End plate, Partition plate
GTIN (EAN)	4008190477561	
Qty.	50 pc(s).	

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Accessories

5x25

For protection against overcurrent, we offer cartridge fuse with dimensions 5x25 mm in sizes from 250 mA to 6.3 A.

General ordering data

Type	G 25/6.30A/F GN	Version
Order No.	0192900000	Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 25
GTIN (EAN)	4008190135461	
Qty.	10 pc(s).	
Type	G 25/2.00A/F BL	Version
Order No.	0192700000	Miniature fuse, quick-acting, 2 A, G-Si. 5 x 25
GTIN (EAN)	4008190176402	
Qty.	10 pc(s).	
Type	G 25/0.50A/M WS	Version
Order No.	0510300000	Miniature fuse, medium time-lag, 0.5 A, G-Si. 5 x 25
GTIN (EAN)	4008190018368	
Qty.	10 pc(s).	
Type	G 25/4.00A/F BR	Version
Order No.	0192800000	Miniature fuse, quick-acting, 4 A, G-Si. 5 x 25
GTIN (EAN)	4008190115319	
Qty.	10 pc(s).	
Type	G 25/0.80A/M GR	Version
Order No.	0646400000	Miniature fuse, medium time-lag, 0.8 A, G-Si. 5 x 25
GTIN (EAN)	4008190060794	
Qty.	10 pc(s).	
Type	G 25/10.0A/M RT	Version
Order No.	0193100000	Miniature fuse, medium time-lag, 10 A, G-Si. 5 x 25
GTIN (EAN)	4008190023799	
Qty.	10 pc(s).	
Type	G 25/1.00A/M RT	Version
Order No.	0265800000	Miniature fuse, medium time-lag, 1 A, G-Si. 5 x 25
GTIN (EAN)	4008190141660	
Qty.	10 pc(s).	
Type	G 25/0.25A/M GE	Version
Order No.	0546900000	Miniature fuse, medium time-lag, 0.25 A, G-Si. 5 x 25
GTIN (EAN)	4008190097370	
Qty.	10 pc(s).	

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Blank

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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 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	

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

6 mm²

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 6/3 GE	Version
Order No.	1627860000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200435	
Qty.	60 pc(s).	

Type	ZQV 6/4 GE	Version
Order No.	1627870000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200442	
Qty.	60 pc(s).	

Type	ZQV 6/2 GE	Version
Order No.	1627850000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200428	
Qty.	60 pc(s).	

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Accessories

Type	ZQV 6/24 GE	Version
Order No.	1908990000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4032248535309	
Qty.	10 pc(s).	

Type	ZQV 6/32 GE	Version
Order No.	1733640000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190994334	
Qty.	10 pc(s).	

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

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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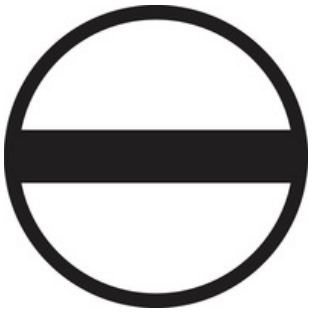
Accessories

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 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.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 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	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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General ordering data

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