

ZSI 6-2/FC LD**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: 6 mm ² , Tension-clamp connection, black, Direct mounting
Order No.	1814700000
Type	ZSI 6-2/FC LD
GTIN (EAN)	4032248358496
Qty.	25 pc(s).

Creation date January 14, 2022 10:23:56 PM CET

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

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Technical data**Dimensions and weights**

Depth	50 mm	Depth (inches)	1.969 inch
Depth including DIN rail	51 mm	Height	70 mm
Height (inches)	2.756 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	18.72 g

Temperatures

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

Material data

Material	Wemid	Colour	black
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

Electronic component	red LED	Explosion-tested version	No
Installation advice	Direct mounting	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1152892	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm ²	Connection direction	Inclined / angled
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Technical data**Conductors for clamping (rated connection)**

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 mm ²
Clamping range, min.	0.33 mm ²	Connection direction	top
Gauge to IEC 60947-1	A5	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	10 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Display element

Type of voltage for indicator	AC/DC
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Fuse terminals

Cartridge fuse	Blade fuse type C	Display	Red LED
Fuse holder (cartridge holder)	pluggable	Operating voltage, max.	36 V
Power loss for short-circuit protection only for a composite arrangement	1.9 W at 24.0 A @ 28°C	Power loss for short-circuit protection only for an individual arrangement	3.0 W at 30.0 A @ 24°C
Type of voltage for indicator	AC/DC		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	DIN 72581-3, IEC 60947-7-3		

Rating data

Rated cross-section	6 mm ²	Rated voltage	36 V
Rated voltage to adjoining terminal	400 V	Rated current	30 A
Current at maximum wires	30 A	Standards	DIN 72581-3, IEC 60947-7-3
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	22 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	EAC certificate DNVGL Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

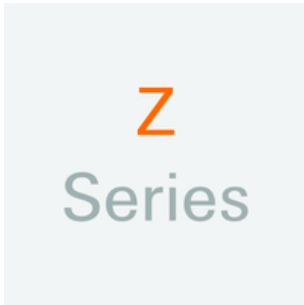
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Accessories

Z-Series

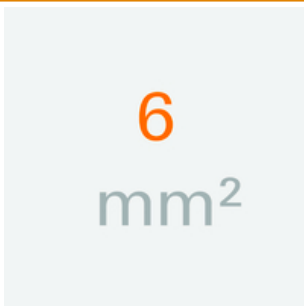


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	ZST 1	Version
Order No.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 pc(s).	
Type	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	
Type	ZEW 35	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

6 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 ZDU6-2 SW	Version
Order No.	1814710000	Z-series, End plate
GTIN (EAN)	4032248359417	
Qty.	50 pc(s).	

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Accessories

WS 12/6.5

**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/6.5 MM WS	Version
Order No.	2619930000	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white
GTIN (EAN)	4050118626155	
Qty.	600 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 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 12/6 MC NE WS	Version
Order No.	1609900000	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190203467	Allen-Bradley, white
Qty.	600 pc(s).	

ZSI 6-2/FC LD

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Accessories

SAK-Series



SAK
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	EW 35 GR 7032	Version
Order No.	0383530000	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	
Type	EW 35/SCHA/M3	Version
Order No.	0258660000	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	
Type	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

Circuit breakers



ETA

Weidmueller offer circuit breakers for the integration of our fuse terminals for automotive fuses with a range from 100 mA to 25 A.

General ordering data

Type	ETA 1180 01 0.25A	Version
Order No.	1278860000	Accessories, Circuit breaker, 0.25 A
GTIN (EAN)	4050118091441	
Qty.	5 pc(s).	
Type	ETA 1180 01 3A	Version
Order No.	1278990000	Accessories, Circuit breaker, 3 A
GTIN (EAN)	4050118091298	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.5A	Version
Order No.	1278910000	Accessories, Circuit breaker, 0.5 A
GTIN (EAN)	4050118091359	
Qty.	5 pc(s).	

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Accessories

Type	ETA 1180 01 5A	Version
Order No.	1279030000	Accessories, Circuit breaker, 5 A
GTIN (EAN)	4050118091465	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.1A	Version
Order No.	1278840000	Accessories, Circuit breaker, 0.1 A
GTIN (EAN)	4050118091373	
Qty.	5 pc(s).	
Type	ETA 1180 01 2.5A	Version
Order No.	1278980000	Accessories, Circuit breaker, 2.5 A
GTIN (EAN)	4050118091403	
Qty.	5 pc(s).	
Type	ETA 1180 01 4A	Version
Order No.	1279020000	Accessories, Circuit breaker, 4 A
GTIN (EAN)	4050118091496	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.3A	Version
Order No.	1278870000	Accessories, Circuit breaker, 0.3 A
GTIN (EAN)	4050118091472	
Qty.	5 pc(s).	
Type	ETA 1180 01 1A	Version
Order No.	1278950000	Accessories, Circuit breaker, 1 A
GTIN (EAN)	4050118091366	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.4A	Version
Order No.	1278880000	Accessories, Circuit breaker, 0.4 A
GTIN (EAN)	4050118091380	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.8A	Version
Order No.	1278940000	Accessories, Circuit breaker, 0.8 A
GTIN (EAN)	4050118091526	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.2A	Version
Order No.	1278850000	Accessories, Circuit breaker, 0.2 A
GTIN (EAN)	4050118091458	
Qty.	5 pc(s).	
Type	ETA 1180 01 7A	Version
Order No.	1279050000	Accessories, Circuit breaker, 7 A
GTIN (EAN)	4050118091434	
Qty.	5 pc(s).	
Type	ETA 1180 01 3.5A	Version
Order No.	1279010000	Accessories, Circuit breaker, 3.5 A
GTIN (EAN)	4050118091397	
Qty.	5 pc(s).	
Type	ETA 1180 01 1.5A	Version
Order No.	1278960000	Accessories, Circuit breaker, 1.5 A
GTIN (EAN)	4050118091540	
Qty.	5 pc(s).	
Type	ETA 1180 01 2A	Version
Order No.	1278970000	Accessories, Circuit breaker, 2 A
GTIN (EAN)	4050118091489	
Qty.	5 pc(s).	

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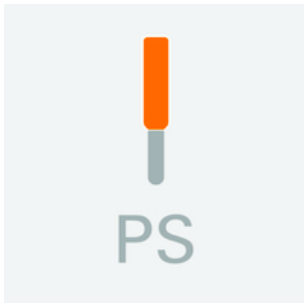
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Accessories

Type	ETA 1180 01 10A	Version
Order No.	1279070000	Accessories, Circuit breaker, 10 A
GTIN (EAN)	4050118091427	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.7A	Version
Order No.	1278930000	Accessories, Circuit breaker, 0.7 A
GTIN (EAN)	4050118091519	
Qty.	5 pc(s).	
Type	ETA 1180 01 0.6A	Version
Order No.	1278920000	Accessories, Circuit breaker, 0.6 A
GTIN (EAN)	4050118091533	
Qty.	5 pc(s).	
Type	ETA 1180 01 6A	Version
Order No.	1279040000	Accessories, Circuit breaker, 6 A
GTIN (EAN)	4050118091502	
Qty.	5 pc(s).	
Type	ETA 1180 01 8A	Version
Order No.	1279060000	Accessories, Circuit breaker, 8 A
GTIN (EAN)	4050118091410	
Qty.	5 pc(s).	

Test plugs



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	PS 2.3 RT	Version
Order No.	0180400000	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

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Accessories

W-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	WEW 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	
Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

WS 12/6



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/6 MM WS	Version
Order No.	2007200000	WS, Terminal marker, 12 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118391886	
Qty.	600 pc(s).	

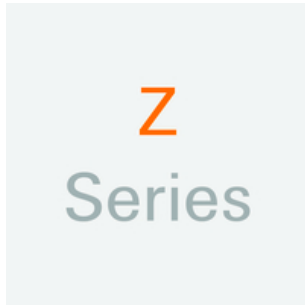
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Accessories

Z-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	ZAD 2/4	Version
Order No.	1609080000	Z-series, Cover
GTIN (EAN)	4008190263317	
Qty.	20 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

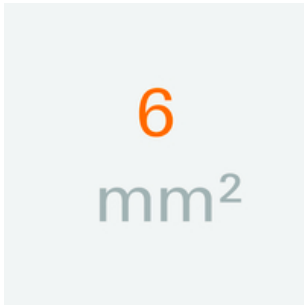
Type	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm
GTIN (EAN)	4050118895605	
Qty.	1 pc(s).	

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Accessories

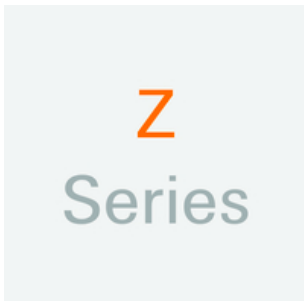
6 mm²

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 6/2 GE	Version
Order No.	1627850000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200428	
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 6/24 GE	Version
Order No.	1908990000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4032248535309	
Qty.	10 pc(s).	
Type	ZQV 6/3 GE	Version
Order No.	1627860000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200435	
Qty.	60 pc(s).	
Type	ZQV 6/32 GE	Version
Order No.	1733640000	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 7/ZA	Version
Order No.	1780670000	Accessories, Test adapter, 9 A
GTIN (EAN)	4032248180202	
Qty.	25 pc(s).	

ZSI 6-2/FC LD

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Accessories

Custom printing



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 5/6 MC SDR	Version	
Order No.	1609830000		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603		Weidmueller, To customer specification
Qty.	200 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 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 12/6.5 MC NE WS	Version	
Order No.	1609920000		WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511		Weidmueller, Allen-Bradley, white
Qty.	540 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	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).	

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