

**ZSI 6-2/FC LD****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

Version	Z-series, Fuse terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension-clamp connection, black, Direct mounting
Order No.	<a href="#">1814700000</a>
Type	ZSI 6-2/FC LD
GTIN (EAN)	4032248358496
Qty.	25 items

## ZSI 6-2/FC LD

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

### Dimensions and weights

Depth	50 mm	Depth (inches)	1.9685 inch
Depth including DIN rail	51 mm	Height	70 mm
Height (inches)	2.7559 inch	Width	8.1 mm
Width (inches)	0.3189 inch	Net weight	18.72 g

### Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

### Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 7cl

REACH SVHC No SVHC above 0.1 wt%

### Material data

Basic 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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

### Additional technical data

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

### CSA rating data

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

## Technical data

### Conductors for clamping (additional connection)

Connection direction additional connection	Inclined / angled	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm <sup>2</sup>
Connection type, additional connection	Tension-clamp connection		

### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	2	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>	Blade size	4.0 x 0.8 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.33 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.33 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.33 mm <sup>2</sup>	Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min. 0.33 mm <sup>2</sup>		Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.33 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.33 mm <sup>2</sup>

### Fuse terminals

Cartridge fuse	Blade fuse type ATO/standard	Fuse holder (cartridge holder)	pluggable
Type of voltage for indicator	AC/DC	Display	Red LED
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		

### General

Wire connection cross section AWG, max.	AWG 12	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 26	Standards	DIN 72581-3, IEC 60947-7-3
Mounting rail	TS 35		

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	36 V
Rated voltage to adjoining terminal	400 V	Rated DC voltage	36 V
Nominal 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		

## Technical data

### UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Conductor size Field wiring max. (cURus)	10 AWG		

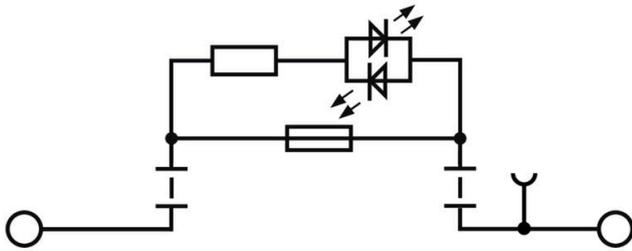
### Important note

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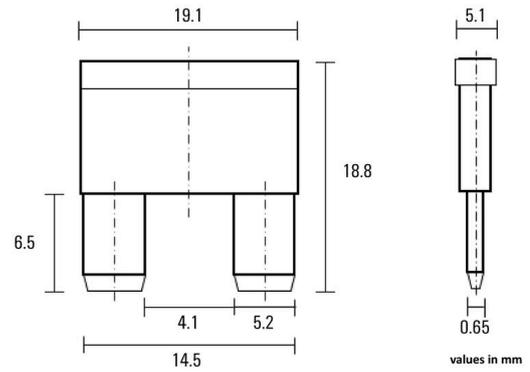
### Classifications

ETIM 8.0	EC000899	ETIM 9.0	EC000899
ETIM 10.0	EC000899	ECLASS 14.0	27-25-01-13
ECLASS 15.0	27-25-01-13		

Drawings



ATO® Style Blade Fuse according to DIN 72581-3



## Accessories

### Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### 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 ST	
Type	ZQV 6/3 GE	Version
Order No.	<a href="#">1627860000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200435	
Qty.	60 ST	
Type	ZQV 6/4 GE	Version
Order No.	<a href="#">1627870000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200442	
Qty.	60 ST	
Type	ZQV 6/24 GE	Version
Order No.	<a href="#">1908990000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4032248535309	
Qty.	10 ST	
Type	ZQV 6/32 GE	Version
Order No.	<a href="#">1733640000</a>	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190994334	
Qty.	10 ST	

### End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

### General ordering data

Type	ZAP ZDU6-2 SW	Version
Order No.	<a href="#">1814710000</a>	Z-series, End plate
GTIN (EAN)	4032248359417	
Qty.	50 ST	

## Accessories

### End bracket



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	Version
Order No.	<a href="#">0383560000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	
Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 ST	
Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C
GTIN (EAN)	4008190033477	
Qty.	20 ST	
Type	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	
Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	
Type	ZEW 35	Version
Order No.	<a href="#">9540000000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	
Type	ZEW 35/2	Version
Order No.	<a href="#">8630740000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4032248348916	
Qty.	20 ST	

### Testadapter and testsockets



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.

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## Accessories

## General ordering data

Type	ZTA 7/ZA	Version
Order No.	<a href="#">1780670000</a>	Accessories, Test adapter, 9 A
GTIN (EAN)	4032248180202	
Qty.	25 ST	
Type	PS 2.3 RT	Version
Order No.	<a href="#">0180400000</a>	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 ST	

## Warning cover



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.	<a href="#">1609080000</a>	Z-series, Cover
GTIN (EAN)	4008190263317	
Qty.	20 ST	

## 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.

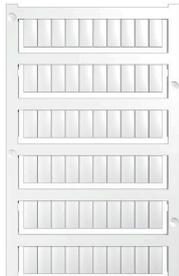
## General ordering data

Type	DEK 5/6 MC SDR	Version
Order No.	<a href="#">1609830000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 ST	

## Accessories

[www.weidmueller.com](http://www.weidmueller.com)

### 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.	<a href="#">1609900000</a>	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190203467	Allen-Bradley, white
Qty.	600 ST	
Type	WS 12/6.5 MC NE WS	Version
Order No.	<a href="#">1609920000</a>	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 ST	
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 ST	

### 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 snapped 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.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

**Accessories**

**Fuse**



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

**General ordering data**

Type	ETA 1180 01 0.25A	Version
Order No.	<a href="#">1278860000</a>	Miniature fuse, 0.25 A
GTIN (EAN)	4050118091441	
Qty.	5 ST	
Type	ETA 1180 01 0.1A	Version
Order No.	<a href="#">1278840000</a>	Miniature fuse, 0.1 A
GTIN (EAN)	4050118091373	
Qty.	5 ST	
Type	ETA 1180 01 8A	Version
Order No.	<a href="#">1279060000</a>	Miniature fuse, 8 A
GTIN (EAN)	4050118091410	
Qty.	5 ST	
Type	ETA 1180 01 7A	Version
Order No.	<a href="#">1279050000</a>	Miniature fuse, 7 A
GTIN (EAN)	4050118091434	
Qty.	5 ST	
Type	ETA 1180 01 6A	Version
Order No.	<a href="#">1279040000</a>	Miniature fuse, 6 A
GTIN (EAN)	4050118091502	
Qty.	5 ST	
Type	ETA 1180 01 5A	Version
Order No.	<a href="#">1279030000</a>	Miniature fuse, 5 A
GTIN (EAN)	4050118091465	
Qty.	5 ST	
Type	ETA 1180 01 4A	Version
Order No.	<a href="#">1279020000</a>	Miniature fuse, 4 A
GTIN (EAN)	4050118091496	
Qty.	5 ST	
Type	ETA 1180 01 3A	Version
Order No.	<a href="#">1278990000</a>	Miniature fuse, 3 A
GTIN (EAN)	4050118091298	
Qty.	5 ST	
Type	ETA 1180 01 3.5A	Version
Order No.	<a href="#">1279010000</a>	Miniature fuse, 3.5 A
GTIN (EAN)	4050118091397	
Qty.	5 ST	
Type	ETA 1180 01 2A	Version
Order No.	<a href="#">1278970000</a>	Miniature fuse, 2 A
GTIN (EAN)	4050118091489	
Qty.	5 ST	

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## Accessories

Type	ETA 1180 01 2.5A	Version
Order No.	<a href="#">1278980000</a>	Miniature fuse, 2.5 A
GTIN (EAN)	4050118091403	
Qty.	5 ST	
Type	ETA 1180 01 1A	Version
Order No.	<a href="#">1278950000</a>	Miniature fuse, 1 A
GTIN (EAN)	4050118091366	
Qty.	5 ST	
Type	ETA 1180 01 10A	Version
Order No.	<a href="#">1279070000</a>	Miniature fuse, 10 A
GTIN (EAN)	4050118091427	
Qty.	5 ST	
Type	ETA 1180-01-1.5A	Version
Order No.	<a href="#">1278960000</a>	Miniature fuse, 1.5 A
GTIN (EAN)	4050118091540	
Qty.	5 ST	
Type	ETA 1180 01 0.8A	Version
Order No.	<a href="#">1278940000</a>	Miniature fuse, 0.8 A
GTIN (EAN)	4050118091526	
Qty.	5 ST	
Type	ETA 1180 01 0.7A	Version
Order No.	<a href="#">1278930000</a>	Miniature fuse, 0.7 A
GTIN (EAN)	4050118091519	
Qty.	5 ST	
Type	ETA 1180 01 0.6A	Version
Order No.	<a href="#">1278920000</a>	Miniature fuse, 0.6 A
GTIN (EAN)	4050118091533	
Qty.	5 ST	
Type	ETA 1180 01 0.5A	Version
Order No.	<a href="#">1278910000</a>	Miniature fuse, 0.5 A
GTIN (EAN)	4050118091359	
Qty.	5 ST	
Type	ETA 1180 01 0.4A	Version
Order No.	<a href="#">1278880000</a>	Miniature fuse, 0.4 A
GTIN (EAN)	4050118091380	
Qty.	5 ST	
Type	ETA 1180 01 0.3A	Version
Order No.	<a href="#">1278870000</a>	Miniature fuse, 0.3 A
GTIN (EAN)	4050118091472	
Qty.	5 ST	
Type	ETA 1180 01 0.2A	Version
Order No.	<a href="#">1278850000</a>	Miniature fuse, 0.2 A
GTIN (EAN)	4050118091458	
Qty.	5 ST	

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## Accessories

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## 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.	<a href="#">2007200000</a>	WS, Terminal marker, 12 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118391886		
Qty.	600 ST		

## 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

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- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
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## General ordering data

Type	WS 12/6.5 MM WS	Version	
Order No.	<a href="#">2619930000</a>	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white	
GTIN (EAN)	4050118626155		
Qty.	600 ST		

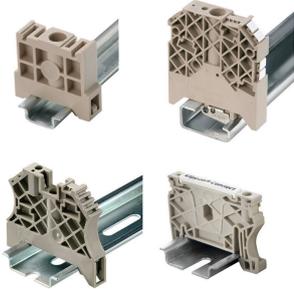
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## Accessories

### End bracket



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 ST		

### 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.	<a href="#">2749380000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118895605		
Qty.	1 ST		