

**ZSI 6-2 2X2.5/G20/LD4**

**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
Order No.	<a href="#">1879750000</a>
Type	ZSI 6-2 2X2.5/G20/LD4
GTIN (EAN)	4032248481682
Qty.	20 items

## ZSI 6-2 2X2.5/G20/LD4

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

Depth	55 mm	Depth (inches)	2.1654 inch
Depth including DIN rail	55.5 mm	Height	68 mm
Height (inches)	2.6772 inch	Width	12.2 mm
Width (inches)	0.4803 inch	Net weight	25.52 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	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

## Additional technical data

Type of mounting	Snap-on
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## CSA rating data

Wire cross section max. (CSA)	8 AWG	Certificate No. (CSA)	200039-1152892
Wire cross section min. (CSA)	20 AWG		

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**Technical data**

**Conductors for clamping (additional connection)**

Connection direction additional connection	Inclined / angled	Clamping range, further connection, max.	4 mm <sup>2</sup>
Clamping range, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, further connection, min.	0.5 mm <sup>2</sup>
Number of connections, additional connection	2	Rated cross-section, further connection	2.5 mm <sup>2</sup>
Blade size, additional connection	0.6 x 3.5 mm	Cross-section for connected wire, solid-core, further connection, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, solid-core, further connection, max.	4 mm <sup>2</sup>	Connection type, additional connection	Tension-clamp connection
Cross-section for connected wire, flexible, further connection, max.	4 mm <sup>2</sup>	Stripping length, additional connection	10 mm

**Conductors for clamping (rated connection)**

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 8
Connection direction	Inclined / angled	Stripping length	10 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	1	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Blade size	0.6 x 3.5 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.	0.13 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.	0.13 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.13 mm <sup>2</sup>	Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.13 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.13 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.13 mm <sup>2</sup>

**Dimensions**

TS 35 offset	54 mm
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**Fuse terminals**

Cartridge fuse	G-Si. 5 x 20	Fuse holder (cartridge holder)	for screw fixing
Type of voltage for indicator	AC/DC	Display	LED
Operating voltage, max.	250 V	Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 6.3 A @ 37°C
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 40°C		

**General**

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-3	Mounting rail	TS 35

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## Technical data

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	250 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	250 V
Nominal current	10 A	Current at maximum wires	10 A
Standards	IEC 60947-7-3	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

### UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	8 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	20 AWG	Conductor size Field wiring min. (cURus)	26 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Voltage size C (cURus)	300 V
Current size C (cURus)	10 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

### Important note

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

### Classifications

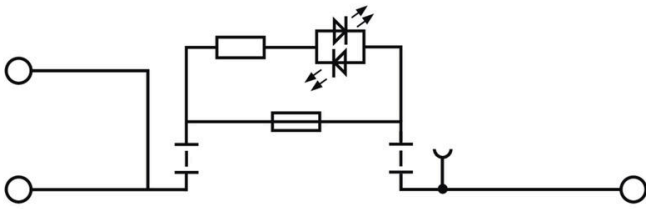
ETIM 8.0	EC000899	ETIM 9.0	EC000899
ETIM 10.0	EC000899	ECLASS 14.0	27-25-01-13
ECLASS 15.0	27-25-01-13		

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**Drawings**

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## 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 4/2 GE	Version
Order No.	<a href="#">1608950000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263225	
Qty.	60 ST	
Type	ZQV 4/3 GE	Version
Order No.	<a href="#">1608960000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263232	
Qty.	60 ST	
Type	ZQV 4/4 GE	Version
Order No.	<a href="#">1608970000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263249	
Qty.	60 ST	
Type	ZQV 4/5 GE	Version
Order No.	<a href="#">1608980000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263256	
Qty.	20 ST	
Type	ZQV 4/6 GE	Version
Order No.	<a href="#">1608990000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263263	
Qty.	20 ST	
Type	ZQV 4/7 GE	Version
Order No.	<a href="#">1609000000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263270	
Qty.	20 ST	
Type	ZQV 4/8 GE	Version
Order No.	<a href="#">1609010000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263287	
Qty.	20 ST	
Type	ZQV 4/9 GE	Version
Order No.	<a href="#">1609020000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263294	
Qty.	20 ST	
Type	ZQV 4/10 GE	Version
Order No.	<a href="#">1609030000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263300	
Qty.	20 ST	
Type	ZQV 4/20 GE	Version
Order No.	<a href="#">1909010000</a>	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535637	
Qty.	20 ST	

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## Accessories

## 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>	Version	Z-series, End plate
GTIN (EAN)	4032248359417		
Qty.	50 ST		

## 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	ZEW 35/2	Version	
Order No.	<a href="#">8630740000</a>	Version	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.

## General ordering data

Type	ZTA 7/ZA	Version	
Order No.	<a href="#">1780670000</a>	Version	Accessories, Test adapter, 9 A
GTIN (EAN)	4032248180202		
Qty.	25 ST		

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**Accessories**

Type	ZTA 6/ZA	Version	
Order No.	<a href="#">1780660000</a>	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248180189		
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 0.6X3.5X100	Version	
Order No.	<a href="#">9008330000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

**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	G 20/0.10A/F	Version	
Order No.	<a href="#">0430300000</a>	Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20	
GTIN (EAN)	4008190077174		
Qty.	10 ST		
Type	G 20/0.20A/F	Version	
Order No.	<a href="#">0430400000</a>	Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20	
GTIN (EAN)	4008190152383		
Qty.	10 ST		
Type	G 20/0.25A/F	Version	
Order No.	<a href="#">0430500000</a>	Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20	
GTIN (EAN)	4008190153991		
Qty.	10 ST		
Type	G 20/0.50A/F	Version	
Order No.	<a href="#">0430600000</a>	Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20	
GTIN (EAN)	4008190046835		
Qty.	10 ST		

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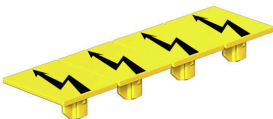
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## Accessories

Type	G 20/0.63A/F	Version
Order No.	<a href="#">0439000000</a>	Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20
GTIN (EAN)	4008190131210	
Qty.	10 ST	
Type	G 20/1.00A/F	Version
Order No.	<a href="#">0430700000</a>	Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20
GTIN (EAN)	4008190093877	
Qty.	10 ST	
Type	G 20/1.60A/F	Version
Order No.	<a href="#">0430800000</a>	Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20
GTIN (EAN)	4008190031503	
Qty.	10 ST	
Type	G 20/2.00A/F	Version
Order No.	<a href="#">0430900000</a>	Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20
GTIN (EAN)	4008190123567	
Qty.	10 ST	
Type	G 20/2.50A/F	Version
Order No.	<a href="#">0431000000</a>	Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20
GTIN (EAN)	4008190085513	
Qty.	10 ST	
Type	G 20/3.15A/F	Version
Order No.	<a href="#">0431100000</a>	Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20
GTIN (EAN)	4008190012977	
Qty.	10 ST	
Type	G 20/4.00A/F	Version
Order No.	<a href="#">0431200000</a>	Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20
GTIN (EAN)	4008190022983	
Qty.	10 ST	
Type	G 20/5.00A/F	Version
Order No.	<a href="#">0431300000</a>	Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20
GTIN (EAN)	4008190185381	
Qty.	10 ST	
Type	G 20/6.30A/F	Version
Order No.	<a href="#">0431400000</a>	Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20
GTIN (EAN)	4008190086053	
Qty.	10 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.



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## Accessories

## General ordering data

Type	ZAD 1/4	Version
Order No.	<a href="#">1609110000</a>	Z-series, Cover
GTIN (EAN)	4008190190910	
Qty.	20 ST	
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 5/5 MC SDR	Version
Order No.	<a href="#">1609810000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 ST	

## 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.

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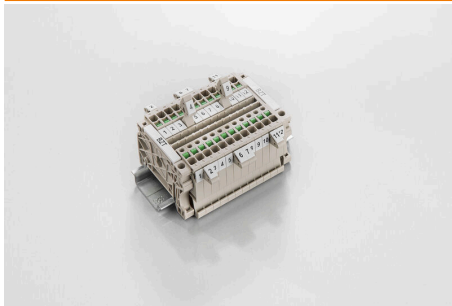
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## Accessories

## General ordering data

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 ST	
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 ST	

## Marker holder

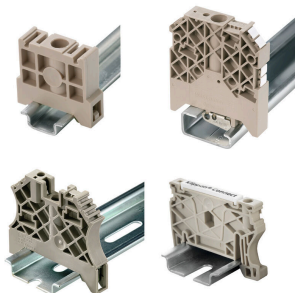


The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

## 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	

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## Accessories

### 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		