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

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: 6 mm², Tension-clamp connection, black
Order No.	1879750000
Type	ZSI 6-2 2X2.5/G20/LD4
GTIN (EAN)	4032248481682
Qty.	20 items

Creation date 30.11.2025 02:24:49 MEZ

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

Technical data

Approvals

Approvals	
	CE CSA cURus UKCA
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	-5 °C...40 °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

CSA rating data

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

Creation date 30.11.2025 02:24:49 MEZ

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

Technical data

Conductors for clamping (additional connection)

Connection direction additional connection	Inclined / angled	Clamping range, further connection, max.	4 mm²
Clamping range, further connection, min.	0.5 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²	Conductor cross-section, flexible, further connection, min.	0.5 mm²
Number of connections, additional connection	2	Rated cross-section, further connection	2.5 mm²
Blade size, additional connection	0.6 x 3.5 mm	Cross-section for connected wire, solid-core, further connection, min.	0.5 mm²
Cross-section for connected wire, solid-core, further connection, max.	4 mm²	Connection type, additional connection	Tension-clamp connection
Cross-section for connected wire, flexible, further connection, max.	4 mm²	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 mm²
Clamping range, min.	0.13 mm²	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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.13 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.13 mm²	Connection cross-section, finely stranded, min.	0.13 mm²

Dimensions

TS 35 offset	54 mm

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

Rating data

Rated cross-section	6 mm²	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

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

Technical data

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 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ETIM 9.0	EC000899
ETIM 10.0	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	ECLASS 14.0	27-25-01-13
ECLASS 15.0	27-25-01-13		
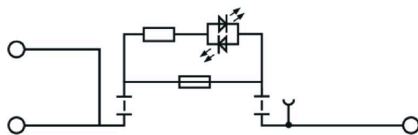
ZSI 6-2 2X2.5/G20/LD4

Drawings

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

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

Creation date 30.11.2025 02:24:49 MEZ

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

Accessories

End plates and partition plates

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 ST		

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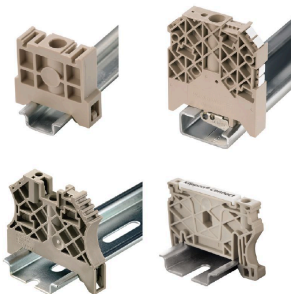
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	ZEW 35/2	Version	
Order No.	8630740000	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.	1780670000	Accessories, Test adapter, 9 A	
GTIN (EAN)	4032248180202		
Qty.	25 ST		

Creation date 30.11.2025 02:24:49 MEZ

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

Accessories

Type	ZTA 6/ZA	Version	
Order No.	1780660000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248180189		
Qty.	25 ST		

Slotted screwdriver
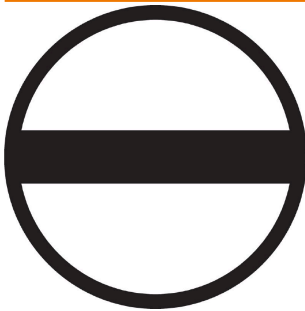
Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	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.	0430300000	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.	0430400000	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.	0430500000	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.	0430600000	Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20	
GTIN (EAN)	4008190046835		
Qty.	10 ST		

Creation date 30.11.2025 02:24:49 MEZ

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

Accessories

Type	G 20/0.63A/F		Version	
Order No.	0439000000		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.	0430700000		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.	0430800000		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.	0430900000		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.	0431000000		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.	0431100000		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.	0431200000		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.	0431300000		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.	0431400000		Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20	
GTIN (EAN)	4008190086053			
Qty.	10 ST			

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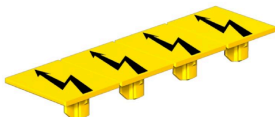
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

Data sheet

Weidmüller ⚡

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

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

www.weidmueller.com

Accessories

General ordering data

Type	ZAD 1/4	Version	
Order No.	1609110000	Z-series, Cover	
GTIN (EAN)	4008190190910		
Qty.	20 ST		
Type	ZAD 2/4	Version	
Order No.	1609080000	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.	1609810000	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.

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

Accessories

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 ST		
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 ST		

Marker holder
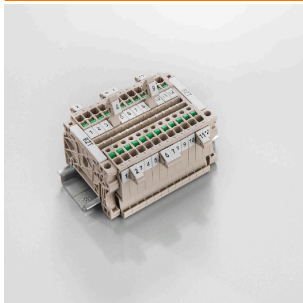
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found 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 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

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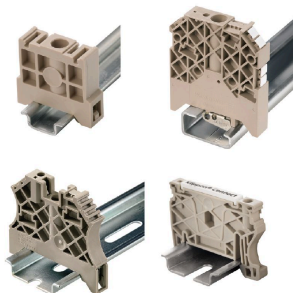
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	ZST 1	Version
Order No.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 ST	

Weidmüller

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118895605		
Qty.	1 ST		