ZSI 2.5-2/2X2AN/G20

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, black, Direct mounting
Order No.	1826050000
Type	ZSI 2.5-2/2X2AN/G20
GTIN (EAN)	4032248374168
Qty.	20 items

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Catalogue status / Drawings

ZSI 2.5-2/2X2AN/G20

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	24.67 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 without exemption
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, 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
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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	10 A	Certificate No. (CSA)	200039-1152892
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	26 AWG		

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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, AWG, additional connection, min.	AWG 26
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
Cross-section for connected wire, AWG, additional connection, max.	AWG 12	Stripping length , additional connection	10 mm

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	Inclined / angled	Stripping length	10 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	2	Clamping range, max.	4 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.	2.5 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.	2.5 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.	4 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.13 mm²	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.13 mm²	Connection cross-section, finely stranded, min.	0.13 mm²

General

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

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 V
Nominal current	10 A	Current at maximum wires	10 A
Standards	IEC 60947-7-3	Volume resistance according to IEC 60947-7-x	1.33 mΩ

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Technical data

Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

UL rating data

|			
Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size D (cURus)	600 V
Certificate No. (cURus)	E60693	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		
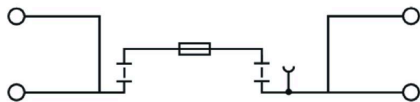
ZSI 2.5-2/2X2AN/G20

Drawings

ZSI 2.5-2/2X2AN/G20

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	

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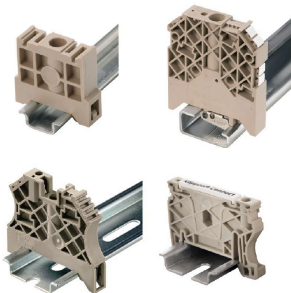
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	ZEW 35	Version
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	

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Accessories

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		

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		
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		

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Accessories

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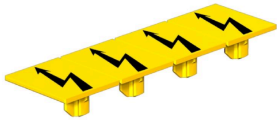
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

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			

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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 5/5 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
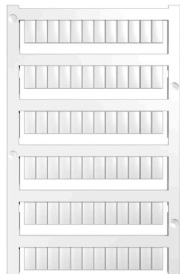
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.
WS markers are ideal for labels with long, 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.

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		

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Accessories
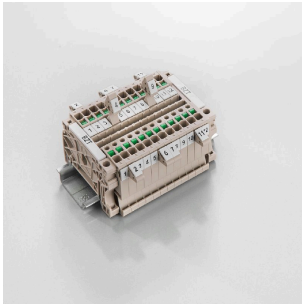
Marker holder

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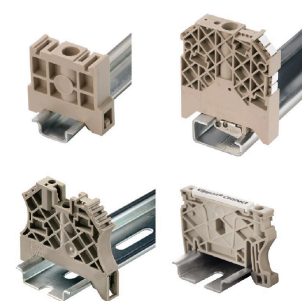
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

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

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.

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Catalogue status / Drawings

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Accessories

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 ST	