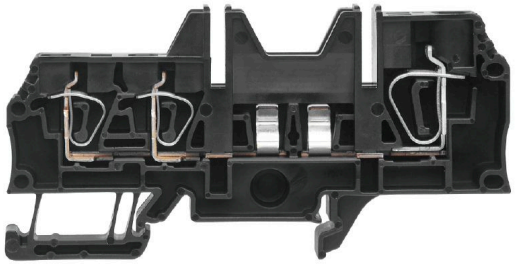
Data sheet

ZSI 2X6/4X2.5 FC

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

www.weidmueller.com

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, Direct mounting
Order No.	1058520000
Type	ZSI 2X6/4X2.5 FC
GTIN (EAN)	4032248806348
Qty.	10 items

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	47 mm	Depth (inches)	1.8504 inch
Depth including DIN rail	47.5 mm	Height	93 mm
Height (inches)	3.6614 inch	Width	16 mm
Width (inches)	0.6299 inch	Net weight	32.82 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, 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	3	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

Installation advice	Direct mounting	Type of mounting	TS 35

CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	23 A	Certificate No. (CSA)	200039-1152829
Voltage size B (CSA)	600 V	Current size B (CSA)	23 A
Wire cross section min. (CSA)	20 AWG		

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Technical data

Conductors for clamping (additional connection)

Connection direction additional connection	top	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	4	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	A5	Wire connection cross section AWG, max.	AWG 8
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 mm²
Clamping range, min.	0.5 mm²	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 22	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.	0.5 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.	0.5 mm²	Wire connection cross section, finely stranded, max.	6 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm²	Connection cross-section, finely stranded, min.	0.5 mm²

Dimensions

TS 35 offset	46 mm

General

Wire connection cross section AWG, max.	AWG 8	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 22	Standards	IEC 60947-7-3
Mounting rail	TS 35		

Rating data

Rated cross-section	6 mm²	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 V

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Technical data

Nominal current	57 A	Current at maximum wires	57 A
Standards	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
Surge voltage category	III	Pollution severity	3

UL rating data

Voltage size B (cURus)	600 V	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	8 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	20 AWG	Current size B (cURus)	20 A
Voltage size C (cURus)	600 V	Current size C (cURus)	20 A
Current size D (cURus)	5 A		

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		

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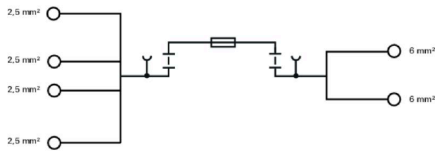
Drawings



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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 6/2 GE	Version
Order No.	1627850000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200428	
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 ZSI2X6/4X2.5	Version
Order No.	1059310000	Z-series, End plate
GTIN (EAN)	4032248806355	
Qty.	50 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	

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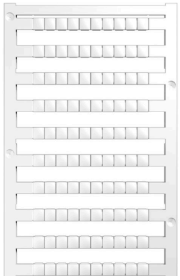
Accessories

Plus



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 PLUS MC NE WS	Version
Order No.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1000 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	ETA 1170 21 10A	Version
Order No.	1278790000	Miniature fuse, quick-acting, 10 A, Blade fuse type C
GTIN (EAN)	4050118091281	
Qty.	5 ST	
Type	1170-21-15A	Version
Order No.	1278810000	Miniature fuse, quick-acting, 15 A, Blade fuse type C
GTIN (EAN)	4050118091328	
Qty.	5 ST	
Type	ETA 1170 21 20A	Version
Order No.	1278820000	Miniature fuse, quick-acting, 20 A, Blade fuse type C
GTIN (EAN)	4050118091250	
Qty.	5 ST	
Type	ETA 1170 21 25A	Version
Order No.	1278830000	Miniature fuse, quick-acting, 25 A, Blade fuse type C
GTIN (EAN)	4050118091335	
Qty.	5 ST	

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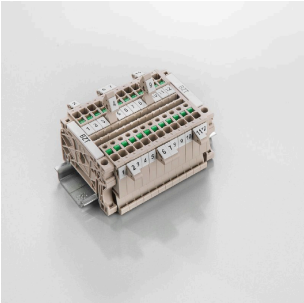
Accessories

Type	ETA 1170 21 3A	Version
Order No.	1278730000	Miniature fuse, quick-acting, 3 A, Blade fuse type C
GTIN (EAN)	4050118091267	
Qty.	5 ST	
Type	ETA 1170 21 4A	Version
Order No.	1278740000	Miniature fuse, quick-acting, 4 A, Blade fuse type C
GTIN (EAN)	4050118091243	
Qty.	5 ST	
Type	ETA 1170 21 5A	Version
Order No.	1278750000	Miniature fuse, quick-acting, 5 A, Blade fuse type C
GTIN (EAN)	4050118091274	
Qty.	5 ST	
Type	ETA 1170 21 6A	Version
Order No.	1278760000	Miniature fuse, quick-acting, 6 A, Blade fuse type C
GTIN (EAN)	4050118091342	
Qty.	5 ST	
Type	ETA 1170 21 7.5A	Version
Order No.	1278770000	Miniature fuse, quick-acting, 7.5 A, Blade fuse type C
GTIN (EAN)	4050118091311	
Qty.	5 ST	
Type	ETA 1170 21 8A	Version
Order No.	1278780000	Miniature fuse, quick-acting, 8 A, Blade fuse type C
GTIN (EAN)	4050118091304	
Qty.	5 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	

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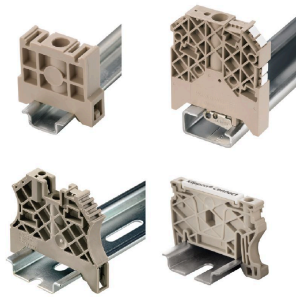
Accessories

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.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 ST	