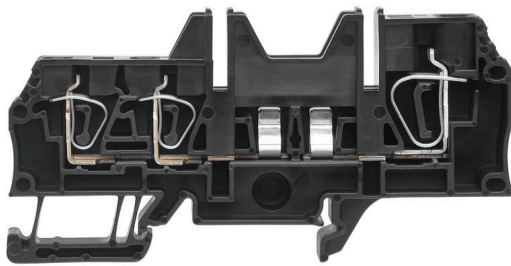


**ZSI 2X6/4X2.5 FC****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

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="#">1058520000</a>
Type	ZSI 2X6/4X2.5 FC
GTIN (EAN)	4032248806348
Qty.	10 items

## ZSI 2X6/4X2.5 FC

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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	-50 °C...75 °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
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## 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 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	4	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, AWG, additional connection, min.	AWG 26
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>
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 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	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 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 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.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

### Dimensions

TS 35 offset	46 mm
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### Fuse terminals

Cartridge fuse	mini fuse	Fuse holder (cartridge holder)	pluggable
Type of voltage for indicator	AC/DC	Operating voltage, max.	32 V

### 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		

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## Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 V
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 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 6/2 GE	Version	
Order No.	<a href="#">1627850000</a>	Accessories, Cross-connector, 41 A	
GTIN (EAN)	4008190200428		
Qty.	60 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 ZSI2X6/4X2.5	Version	
Order No.	<a href="#">1059310000</a>	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.	<a href="#">9008330000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

## ZSI 2X6/4X2.5 FC

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## Accessories

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## 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.	<a href="#">1854490000</a>	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.	<a href="#">1278790000</a>	Miniature fuse, quick-acting, 10 A, Blade fuse type C	
GTIN (EAN)	4050118091281		
Qty.	5 ST		
Type	1170-21-15A	Version	
Order No.	<a href="#">1278810000</a>	Miniature fuse, quick-acting, 15 A, Blade fuse type C	
GTIN (EAN)	4050118091328		
Qty.	5 ST		
Type	ETA 1170 21 20A	Version	
Order No.	<a href="#">1278820000</a>	Miniature fuse, quick-acting, 20 A, Blade fuse type C	
GTIN (EAN)	4050118091250		
Qty.	5 ST		
Type	ETA 1170 21 25A	Version	
Order No.	<a href="#">1278830000</a>	Miniature fuse, quick-acting, 25 A, Blade fuse type C	
GTIN (EAN)	4050118091335		
Qty.	5 ST		

## ZSI 2X6/4X2.5 FC

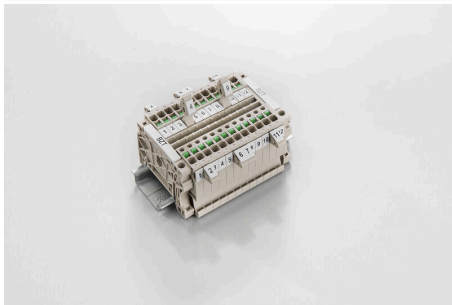
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## Accessories

Type	ETA 1170 21 3A	Version
Order No.	<a href="#">1278730000</a>	Miniature fuse, quick-acting, 3 A, Blade fuse type C
GTIN (EAN)	4050118091267	
Qty.	5 ST	
Type	ETA 1170 21 4A	Version
Order No.	<a href="#">1278740000</a>	Miniature fuse, quick-acting, 4 A, Blade fuse type C
GTIN (EAN)	4050118091243	
Qty.	5 ST	
Type	ETA 1170 21 5A	Version
Order No.	<a href="#">1278750000</a>	Miniature fuse, quick-acting, 5 A, Blade fuse type C
GTIN (EAN)	4050118091274	
Qty.	5 ST	
Type	ETA 1170 21 6A	Version
Order No.	<a href="#">1278760000</a>	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.	<a href="#">1278770000</a>	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.	<a href="#">1278780000</a>	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 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	

**ZSI 2X6/4X2.5 FC**

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**Accessories**

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**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		