ZSI 2X6/4X2.5

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 mm², Tension-clamp connection
Order No.	1265990000
Type	ZSI 2X6/4X2.5
GTIN (EAN)	4050118127874
Qty.	10 items

Creation date 14.03.2026 12:58:50 MEZ

ZSI 2X6/4X2.5

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	35.1 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

Type of mounting	Snap-on

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		

Creation date 14.03.2026 12:58:50 MEZ

ZSI 2X6/4X2.5

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

Fuse terminals

Cartridge fuse	mini fuse	Fuse holder (cartridge holder)	Pivoting
Type of voltage for indicator	AC/DC	Operating voltage, max.	250 V

General

Wire connection cross section AWG, max.	AWG 8	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

Creation date 14.03.2026 12:58:50 MEZ

ZSI 2X6/4X2.5

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
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		
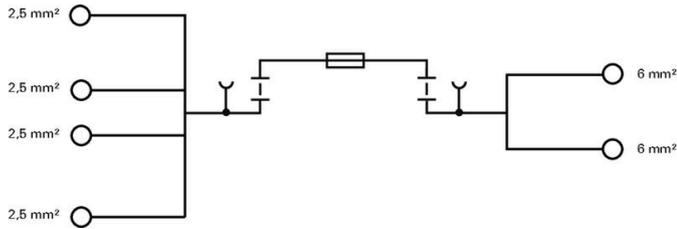
ZSI 2X6/4X2.5

ZSI 2X6/4X2.5

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

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.	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		

Creation date 14.03.2026 12:58:50 MEZ

Accessories

Plus
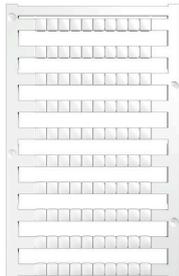
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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 1180 01 0.1A	Version
Order No.	1278840000	Miniature fuse, 0.1 A
GTIN (EAN)	4050118091373	
Qty.	5 ST	
Type	ETA 1180 01 0.25A	Version
Order No.	1278860000	Miniature fuse, 0.25 A
GTIN (EAN)	4050118091441	
Qty.	5 ST	
Type	ETA 1180 01 0.2A	Version
Order No.	1278850000	Miniature fuse, 0.2 A
GTIN (EAN)	4050118091458	
Qty.	5 ST	
Type	ETA 1180 01 0.3A	Version
Order No.	1278870000	Miniature fuse, 0.3 A
GTIN (EAN)	4050118091472	
Qty.	5 ST	

Accessories

Type	ETA 1180 01 0.4A	Version	
Order No.	1278880000	Miniature fuse, 0.4 A	
GTIN (EAN)	4050118091380		
Qty.	5 ST		

Type	ETA 1180 01 0.5A	Version	
Order No.	1278910000	Miniature fuse, 0.5 A	
GTIN (EAN)	4050118091359		
Qty.	5 ST		

Type	ETA 1180 01 0.6A	Version	
Order No.	1278920000	Miniature fuse, 0.6 A	
GTIN (EAN)	4050118091533		
Qty.	5 ST		

Type	ETA 1180 01 0.7A	Version	
Order No.	1278930000	Miniature fuse, 0.7 A	
GTIN (EAN)	4050118091519		
Qty.	5 ST		

Type	ETA 1180 01 0.8A	Version	
Order No.	1278940000	Miniature fuse, 0.8 A	
GTIN (EAN)	4050118091526		
Qty.	5 ST		

Type	ETA 1180-01-1.5A	Version	
Order No.	1278960000	Miniature fuse, 1.5 A	
GTIN (EAN)	4050118091540		
Qty.	5 ST		

Type	ETA 1180 01 10A	Version	
Order No.	1279070000	Miniature fuse, 10 A	
GTIN (EAN)	4050118091427		
Qty.	5 ST		

Type	ETA 1180 01 1A	Version	
Order No.	1278950000	Miniature fuse, 1 A	
GTIN (EAN)	4050118091366		
Qty.	5 ST		

Type	ETA 1180 01 2.5A	Version	
Order No.	1278980000	Miniature fuse, 2.5 A	
GTIN (EAN)	4050118091403		
Qty.	5 ST		

Type	ETA 1180 01 2A	Version	
Order No.	1278970000	Miniature fuse, 2 A	
GTIN (EAN)	4050118091489		
Qty.	5 ST		

Type	ETA 1180 01 3.5A	Version	
Order No.	1279010000	Miniature fuse, 3.5 A	
GTIN (EAN)	4050118091397		
Qty.	5 ST		

Type	ETA 1180 01 3A	Version	
Order No.	1278990000	Miniature fuse, 3 A	
GTIN (EAN)	4050118091298		
Qty.	5 ST		

Type	ETA 1180 01 4A	Version	
Order No.	1279020000	Miniature fuse, 4 A	
GTIN (EAN)	4050118091496		
Qty.	5 ST		

Creation date 14.03.2026 12:58:50 MEZ

Accessories

Type	ETA 1180 01 5A		Version	
Order No.	1279030000		Miniature fuse, 5 A	
GTIN (EAN)	4050118091465			
Qty.	5 ST			
Type	ETA 1180 01 6A		Version	
Order No.	1279040000		Miniature fuse, 6 A	
GTIN (EAN)	4050118091502			
Qty.	5 ST			
Type	ETA 1180 01 7A		Version	
Order No.	1279050000		Miniature fuse, 7 A	
GTIN (EAN)	4050118091434			
Qty.	5 ST			
Type	ETA 1180 01 8A		Version	
Order No.	1279060000		Miniature fuse, 8 A	
GTIN (EAN)	4050118091410			
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			

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.

Weidmüller Interface GmbH & Co. KG

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Germany

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Accessories

General ordering data

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