

**ZSI 2.5-2/2X2AN/G20/LD4****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: 2.5 mm <sup>2</sup> , Tension-clamp connection, black, Direct mounting
Order No.	<a href="#">1879730000</a>
Type	ZSI 2.5-2/2X2AN/G20/LD4
GTIN (EAN)	4032248496778
Qty.	20 items

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## 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	25.17 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	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	Snap-on
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### CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1152892
Wire cross section min. (CSA)	26 AWG		

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## Conductors for clamping (additional connection)

Connection direction additional connection	Inclined / angled	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 0.5 mm <sup>2</sup> connection, min.	
Number of connections, additional connection	2	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	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 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	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 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.13 mm <sup>2</sup>	Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.13 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.13 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.13 mm <sup>2</sup>

## Dimensions

TS 35 offset	39 mm
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## Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Fuse holder (cartridge holder)	for screw fixing
Type of voltage for indicator	AC/DC	Display	Neon lamp
Operating voltage, max.	250 V	Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 6.3 A @ 39°C
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 41°C		

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## Technical data

### 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 mm <sup>2</sup>	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	1.33 mΩ
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
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### 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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