

ZSI 6-2 2X2.5/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: 6 mm ² , Tension-clamp connection, black
Order No.	1879750000
Type	ZSI 6-2 2X2.5/G20/LD4
GTIN (EAN)	4032248481682
Qty.	20 items

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Technical data

Approvals

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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	25.52 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 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	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
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CSA rating data

Wire cross section max. (CSA)	8 AWG	Certificate No. (CSA)	200039-1152892
Wire cross section min. (CSA)	20 AWG		

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Conductors for clamping (additional connection)

Connection direction additional connection	Inclined / angled	Clamping range, further connection, max.	4 mm ²
Clamping range, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible, further connection, min.	0.5 mm ²
Number of connections, additional connection	2	Rated cross-section, further connection	2.5 mm ²
Blade size, additional connection	0.6 x 3.5 mm	Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²
Cross-section for connected wire, solid-core, further connection, max.	4 mm ²	Connection type, additional connection	Tension-clamp connection
Cross-section for connected wire, flexible, further connection, max.	4 mm ²	Stripping length, additional connection	10 mm

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 8
Connection direction	Inclined / angled	Stripping length	10 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	1	Clamping range, max.	10 mm ²
Clamping range, min.	0.13 mm ²	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.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, finely stranded, min.	0.13 mm ²	Connection cross-section, stranded, max.	6 mm ²
Connection cross-section, stranded, min.	0.13 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	0.13 mm ²	Connection cross-section, finely stranded, min.	0.13 mm ²

Dimensions

TS 35 offset	54 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	LED
Operating voltage, max.	250 V	Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 6.3 A @ 37°C
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 40°C		

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-3	Mounting rail	TS 35

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Rating data

Rated cross-section	6 mm ²	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	0.78 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	8 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	20 AWG	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 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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