

ZSI 2.5**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: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1616400000
Type	ZSI 2.5
GTIN (EAN)	4008190196592
Qty.	50 pièce(s)

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Caractéristiques techniques

Dimensions and weights

Depth	73 mm	Depth (inches)	2,874 inch
Depth including DIN rail	74 mm	Height	79,5 mm
Height (inches)	3,13 inch	Width	7,9 mm
Width (inches)	0,311 inch	Net weight	19,54 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, Fuse cartridge, 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	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1 152892	Current size B (CSA)	15 A
Current size C (CSA)	15 A	Current size D (CSA)	15 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	150 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection direction	top	Connection type, additional connection	Tension-clamp connection
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Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm ²
Clamping range, min.	0,13 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min.	0,5 mm ²
Connection direction	Inclined / angled

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Caractéristiques techniques

Gauge to IEC 60947-1	A3		
Number of connections	2		
Stripping length	10 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0,5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0,75 mm ²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1,5 mm ²
	Tube length	min.	8 mm
		max.	12 mm
Cross-section for conductor connection	nominal	2,5 mm ²	
	min.	8 mm	
	max.	12 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0,5 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0,75 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1,5 mm ²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2,5 mm ²
	Tube length	min.	10 mm
		max.	12 mm
Type of connection	Tension-clamp connection		
Type of connection 2	Tension-clamp connection		
Wire connection cross section AWG, max.	AWG 12		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross section, finely stranded, max.	4 mm ²		
Wire connection cross section, finely stranded, min.	0,5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2,5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0,5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2,5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0,5 mm ²		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0,5 mm ²		

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Caractéristiques techniques**Display element**

Current	6,3 A	Type of voltage for indicator	AC/DC
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Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Current	6,3 A
Display	Without LED	Fuse holder (cartridge holder)	Pivoting
Operating voltage, max.	500 V	Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 37°C
Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 6.3 A @ 30°C	Power loss for short-circuit protection only for a composite arrangement	2.5 W at 6.3 A @ 34°C
Power loss for short-circuit protection only for an individual arrangement	4.0 W at 6.3 A @ 59°C	Type of voltage for indicator	AC/DC

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-3	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	2,5 mm ²	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 V
Rated current	6,3 A	Current at maximum wires	6,3 A
Standards	IEC 60947-7-3	Volume resistance according to IEC 60947-7-x	1,33 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0,77 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	10 A
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ETIM 9.0	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		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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Caractéristiques techniques

Important note

Product information	The voltage depends on the selected fuse element or the selected indicator light
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Approvals

Approvals



ROHS	Conform
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UL File Number Search	UL Website
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Certificate No. (UR)	E60693
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Downloads

Approval/Certificate/Document of Conformity	CB Test Certificate CB Certificate Llyods Register Certificate RINA Certificate CB Certificate CB Certificate CB Certificate DNV Certificate Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks User Manual Z-Series
Catalogues	Catalogues in PDF-format
Brochures	

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Dessins

