

ZSI 2.5-2/2X2AN/G20/LD1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Version	Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, black, Direct mounting
Order No.	1867440000
Type	ZSI 2.5-2/2X2AN/G20/LD1
GTIN (EAN)	4032248438778
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Depth	55 mm	Depth (inches)	2.165 inch
Depth including DIN rail	55.5 mm	Height	68 mm
Height (inches)	2.677 inch	Width	12.2 mm
Width (inches)	0.48 inch	Net weight	25.67 g

Temperatures

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

Material data

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
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

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

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	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
Connection direction	Inclined / angled	Connection type, additional connection	Tension-clamp connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 12	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	4 mm ²	Cross-section for connected wire, solid-core, further connection, max.	4 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Number of connections, additional connection	2
Rated cross-section, further connection	2.5 mm ²	Stripping length, additional connection	10 mm

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Technical data**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 direction	Inclined / angled
Gauge to IEC 60947-1	A3	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
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

Display element

Operating voltage for display, max.	36 V	Operating voltage for display, min.	10 V
Type of voltage for indicator	AC/DC		

Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Display	LED
Fuse holder (cartridge holder)	for screw fixing	Operating voltage, max.	36 V
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 41°C	Power loss for overload and short-circuit protection for an individual arrangement	2.5 W at 6.3 A @ 39°C
Type of voltage for indicator	AC/DC		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-3		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	36 V
Rated voltage to adjoining terminal	500 V	Rated 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

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size C (cURus)	10 A
Current size D (cURus)	5 A	Voltage size C (cURus)	300 V
Voltage size D (cURus)	600 V		

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Technical data**Classifications**

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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Approval/Certificate/Document of Conformity	EAC certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	