

ZSI 6-2/FC**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: 6 mm ² , Tension-clamp connection, black, Direct mounting
Order No.	1814690000
Type	ZSI 6-2/FC
GTIN (EAN)	4032248358489
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Depth	50 mm	Depth (inches)	1.969 °C
Depth including DIN rail	51 mm	Height	70 mm
Height (inches)	2.756 °C	Width	8.1 mm
Width (inches)	0.319 °C	Net weight	20.6 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, 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
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size C (CSA)	25 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 Nm
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Technical data**Conductors for clamping (rated connection)**

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 Nm
Clamping range, min.	0.33 Nm	Connection direction	top
Gauge to IEC 60947-1	A5	Number of connections	2
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section, finely stranded, max.	10 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 Nm	Wire connection cross-section, solid core, max.	10 Nm
Wire connection cross-section, solid core, min.	0.5 Nm		

Display element

Operating voltage for display, max.	400 V	Type of voltage for indicator	AC/DC
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Fuse terminals

Cartridge fuse	Blade fuse type C	Display	Without LED
Fuse holder (cartridge holder)	pluggable	Operating voltage, max.	250 V
Power loss for short-circuit protection only for a composite arrangement	1.9 W at 24.0 A @ 28°C	Power loss for short-circuit protection only for an individual arrangement	3.0 W at 30.0 A @ 24°C
Type of voltage for indicator	AC/DC		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	DIN 72581-3, IEC 60947-7-3		

Rating data

Rated cross-section	6 Nm	Rated voltage	250 V
Rated voltage to adjoining terminal	250 V	Rated current	30 A
Current at maximum wires	30 A	Standards	DIN 72581-3, IEC 60947-7-3
Volume resistance according to IEC 60947-7-x	0.78 °C	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	22 AWG	UL_voltage_Print	300 V
UL_wire_max_Print	10 A / 6 A / 10 A / 13 A / 15 A	UL_wire_min_Print	22 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (cURus)	300 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

Downloads

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

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Drawings
