

**Z terminal with electronic components  
ZSI 2.5/2/LD 28AC**

**Weidmüller Interface GmbH & Co. KG**  
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The fuse terminals of the Weidmüller Z-Series are available in two different forms:

- Fuse terminal with pivoting retaining lever
- Fuse terminal with plug-in SIHA fuse holder

**General ordering data**

Order No.	<a href="#">1616470000</a>
Type	ZSI 2.5/2/LD 28AC
Version	Z terminal with electronic components, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Dark Beige, Direct mounting
GTIN (EAN)	4008190196677
Qty.	10 pc(s).

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### Technical data

#### Dimensions and weights

Length	79.5 mm	Width	12.2 mm
Height	73 mm	Height of lowest version	74 mm
Net weight	29.4 g		

#### Temperatures

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

#### Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Tension-clamp connection, Fuse cartridge, with LED

#### CSA ratings data

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

#### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, 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>
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#### Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	2	Clamping range, rated connection, min.	0.13 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

#### Rated data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	500 V
Rated impulse withstand voltage	6 kV	Rated current	12 A
Current at maximum wires	12 A	Standards	IEC 60947-7-3
Pollution severity	3		

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### Technical data

#### UL ratings data

Certificate No. (UR)	E60693VOL1SEC52	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG

#### Material data

Insulating material	Wemid	Material	Wemid
Colour	Dark Beige	UL 94 flammability rating	V-0

#### System specifications

Product family	Z terminal with electronic components	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	End cover plate required	Yes

#### 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. 6.3 x 32	Display	red LED
Fuse holder (cartridge holder)	Pivoting	Operating voltage, max.	28 V
Type of voltage for indicator	AC/DC		

#### Classifications

ETIM 2.0	EC000899	ETIM 3.0	EC000899
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-16
eClass 5.1	27-14-11-16	eClass 6.2	27-14-11-16
eClass 7.1	27-14-11-16		

#### Product information

Descriptive text ordering data	The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.
Descriptive text technical data	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.
Descriptive text accessories	Status display using a bi-directional LED. With use of inch fuse cartridges.
Product description	10 - 36 V

#### Approvals

Approvals



ROHS Conform

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Catalogue status 26.04.2013 / We reserve the right to make technical changes.