

**Z terminal with electronic components  
ZSI 2.5/LD 250AC**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



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**

Type	ZSI 2.5/LD 250AC
Order No.	<a href="#">1616410000</a>
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)	4008190196844
Qty.	50 pc(s).

## Z terminal with electronic components ZSI 2.5/LD 250AC

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Dimensions and weights

Length	79.5 mm	Width	7.9 mm
Height	73 mm	Height of lowest version	74 mm
Net weight	19.81 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, for plug-in cross-connector, One end without connector

### 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>
---	---------------------	---	---------------------

### Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	Inclined / angled
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 impulse withstand voltage	6 kV
Rated current	6.3 A	Current at maximum wires	6.3 A
Standards	IEC 60947-7-3	Pollution severity	3

## Z terminal with electronic components ZSI 2.5/LD 250AC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

### Technische Daten

#### UL ratings 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

#### 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	Inclined / angled	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

Current	6.3 A	Operating voltage for display, max.	250 V
Operating voltage for display, min.	140 V	Type of voltage for indicator	AC/DC

#### Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Current	6.3 A
Display	red LED	Fuse holder (cartridge holder)	Pivoting
Operating voltage, max.	250 V	Type of voltage for indicator	AC/DC

#### Classifications

ETIM 3.0	EC000899	UNSPSC	30-21-18-11
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.

#### Approvals

Approvals



ROHS Conform