

ZSI 2.5/2/LD 28AC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

| | |
|------------|---|
| Version | Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting |
| Order No. | 1616470000 |
| Type | ZSI 2.5/2/LD 28AC |
| GTIN (EAN) | 4008190196677 |
| Qty. | 10 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Depth including DIN rail | 74 mm | Height | 79.5 mm |
| Height (inches) | 3.1299 inch | Width | 11.9 mm |
| Width (inches) | 0.4685 inch | Net weight | 24.73 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cl |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Basic material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|--|-------------------------------|-----|
| Version | Tension-clamp connection, Fuse cartridge, with LED, for plug-in cross-connector, in closed state | 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

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

CSA rating data

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

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Conductors for clamping (additional connection)

| | | | |
|--|------------------|---|---------------------|
| Connection direction additional connection | top | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
| Connection type, additional connection | Screw connection | | |

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|--------------------------|
| Gauge to IEC 60947-1 | A3 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | top | Stripping length | 10 mm |
| Type of connection 2 | Screw connection | Type of connection | Tension-clamp connection |
| Number of connections | 2 | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.13 mm ² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 26 | 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. | 0.13 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. | 0.13 mm ² | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. 0.13 mm ² | | Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | Connection cross-section, finely stranded, min. | 0.13 mm ² |

Fuse terminals

| | | | |
|--|------------------------|--|-----------------------|
| Cartridge fuse | G-Si. 6.3 x 32 | Fuse holder (cartridge holder) | Pivoting |
| Type of voltage for indicator | AC/DC | Display | Red LED |
| Operating voltage, max. | 28 V | Power loss for short-circuit protection only for a composite arrangement | 2.5 W at 2.5 A @ 72°C |
| Power loss for short-circuit protection only for an individual arrangement | 4.0 W at 10.0 A @ 46°C | Power loss for overload and short-circuit protection for an individual arrangement | 2.5 W at 2.5 A @ 40°C |
| Power loss for overload and short-circuit protection for a composite arrangement | 2.5 W at 2.5 A @ 29°C | | |

General

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

Rating data

| | | | |
|-------------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 28 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 28 V |
| Nominal current | 12 A | Current at maximum wires | 12 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 | | |

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UL rating data

| | | | |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 12 AWG | Conductor size Factory wiring min. (UR) | 26 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 26 AWG |
| Conductor size Field wiring max. (UR) | 12 AWG | | |

Important note

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000899 | ETIM 9.0 | EC000899 |
| ETIM 10.0 | EC000899 | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 | | |

Drawings

