

ZSI 2.5/2 500AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

| | |
|------------|---|
| Version | Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting |
| Order No. | 1616460000 |
| Type | ZSI 2.5/2 500AC |
| GTIN (EAN) | 4008190196608 |
| Qty. | 10 pc(s). |

Creation date February 20, 2023 2:48:09 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

ZSI 2.5/2 500AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Depth including DIN rail | 74 mm | Height | 79.5 mm |
| Height (inches) | 3.13 inch | Width | 11.9 mm |
| Width (inches) | 0.469 inch | Net weight | 24.6 g |

Temperatures

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

Material data

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

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Tension-clamp connection, Fuse cartridge, Without 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 |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

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

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1152892 | Current size C (CSA) | 15 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

ZSI 2.5/2 500AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 | top |
| Gauge to IEC 60947-1 | A3 | Number of connections | 2 |
| Stripping length | 10 mm | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| 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. | 500 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. | 500 V |
| Power loss for overload and short-circuit protection for a composite arrangement | 2.5 W at 2.5 A @ 29°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 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 |
| Type of voltage for indicator | AC/DC | | |

General

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

Rating data

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

UL rating 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 |
| Conductor size Field wiring min. (UR) | 26 AWG | Current size C (UR) | 16 A |
| Voltage size C (UR) | 600 V | | |

Creation date February 20, 2023 2:48:09 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

3

ZSI 2.5/2 500AC

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

www.weidmueller.com

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 | ECLASS 12.0 | 27-14-11-16 |

Important note

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

Approvals

Approvals



| | |
|-----------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate DNVGL certificate Llyods Register Certificate MARITREG Certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | Beipackzettel_SAKS_GL_LD.pdf StorageConditionsTerminalBlocks BPZL Z-Series |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

ZSI 2.5/2 500AC

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

www.weidmueller.com

Drawings

