



THE DATASHEET OF
1814690000



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

Creation date September 16, 2022 12:05:45 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 50 mm | Depth (inches) | 1.969 inch |
| Depth including DIN rail | 51 mm | Height | 70 mm |
| Height (inches) | 2.756 inch | Width | 8.1 mm |
| Width (inches) | 0.319 inch | 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 mm ² | Connection direction | Inclined / angled |
|---|-------------------|----------------------|-------------------|

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|--------------------------|
| Blade size | 4.0 x 0.8 mm | Clamping range, max. | 10 mm ² |
| Clamping range, min. | 0.33 mm ² | 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 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. | 6 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. | 6 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. | 10 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Display element

| | | | |
|-------------------------------------|-------|-------------------------------|-------|
| Operating voltage for display, max. | 400 V | Type of voltage for indicator | AC/DC |
|-------------------------------------|-------|-------------------------------|-------|

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 mm ² | 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 mΩ | 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 | 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 | ECLASS 12.0 | 27-14-11-16 |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate DNVGL DNVGL certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

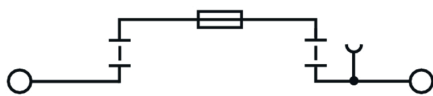
Data sheet

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Drawings



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