

**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 <sup>2</sup> , Tension-clamp connection, black, Direct mounting |
| Order No.  | <a href="#">1814690000</a>   |
| Type       | ZSI 6-2/FC   |
| GTIN (EAN) | 4032248358489  |
| Qty.       | 25 pc(s).  |

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Catalogue status 13.07.2024 / 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 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

**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 <sup>2</sup>        | Connection direction | Inclined / angled |
| Connection type, additional connection  | Tension-clamp connection |                      |                   |

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**Technical data****Conductors for clamping (rated connection)**

|   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| Blade size  | 4.0 x 0.8 mm             | Clamping range, max.  | 10 mm <sup>2</sup>       |
| Clamping range, min.  | 0.33 mm <sup>2</sup>     | Connection direction  | top                      |
| Gauge to IEC 60947-1  | A5                       | Number of connections   | 2                        |
| Stripping length  | 10 mm                    | Type of connection  | Tension-clamp connection |
| Type of connection 2  | Tension-clamp connection | Wire connection cross section, finely stranded, max.                                    | 10 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, max. | 6 mm <sup>2</sup>        |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>        |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      | Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup>       |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>      |   |                          |

**Display element**

|                               |       |
|-------------------------------|-------|
| 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 <sup>2</sup>          | Rated voltage                                | 250 V   |
| Rated voltage to adjoining terminal | 250 V                      | Rated DC voltage                             | 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    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-01-13 |

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| REACH SVHC             | /                           |
| RoHS Compliance Status | Compliant without exemption |

**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. (cURus) | E60693     |

**Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">DNVGL</a><br><a href="#">DNVGL certificate</a><br><a href="#">CB Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

**Data sheet**

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**Drawings**

