

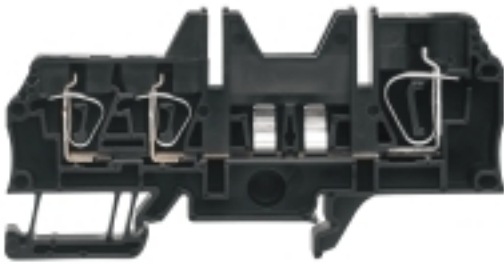
**ZSI 2X6/4X2.5 FC****Weidmüller Interface GmbH & Co. KG**

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="#">1058520000</a>   |
| Type       | ZSI 2X6/4X2.5 FC   |
| GTIN (EAN) | 4032248806348  |
| Qty.       | 10 pc(s).  |

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Catalogue status 23.09.2022 / We reserve the right to make technical changes.

## ZSI 2X6/4X2.5 FC

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## Technical data

### Dimensions and weights

|                          |            |                |           |
|--------------------------|------------|----------------|-----------|
| Depth                    | 47 mm      | Depth (inches) | 1.85 inch |
| Depth including DIN rail | 47.5 mm    | Height         | 93 mm     |
| Height (inches)          | 3.661 inch | Width          | 16 mm     |
| Width (inches)           | 0.63 inch  | Net weight     | 32.82 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, 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 | 3   | 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

|                     |                 |                  |       |
|---------------------|-----------------|------------------|-------|
| Installation advice | Direct mounting | Type of mounting | TS 35 |
|---------------------|-----------------|------------------|-------|

### CSA rating data

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1152829 | Current size B (CSA)          | 23 A  |
| Current size C (CSA)          | 23 A           | Voltage size B (CSA)          | 600 V |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

### Conductors for clamping (additional connection)

|   |                     |   |                          |
|---|---------------------|---|--------------------------|
| Blade size, additional connection   | 0.6 x 3.5 mm        | Clamping range, further connection, max.  | 4 mm <sup>2</sup>        |
| Clamping range, 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>      |
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible, further connection, min.                                 | 0.5 mm <sup>2</sup>      |
| Connection direction  | top                 | Connection type, additional connection  | Tension-clamp connection |
| Cross-section for connected wire, AWG, additional connection, max.                          | AWG 12              | Cross-section for connected wire, AWG, additional connection, min.                          | AWG 26                   |
| Cross-section for connected wire, flexible, further connection, max.                        | 4 mm <sup>2</sup>   | Cross-section for connected wire, solid-core, further connection, max.                      | 4 mm <sup>2</sup>        |
| Cross-section for connected wire, solid-core, further connection, min.                      | 0.5 mm <sup>2</sup> | Number of connections, additional connection  | 4                        |
| Rated cross-section, further connection   | 2.5 mm <sup>2</sup> | Stripping length, additional connection   | 10 mm                    |

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## Technical data

### Conductors for clamping (rated connection)

|   |                     |   |                          |
|---|---------------------|---|--------------------------|
| Blade size  | 0.8 x 4.0 mm        | Clamping range, max.  | 10 mm <sup>2</sup>       |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 6 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.  | 0.5 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 |
| Wire connection cross section, finely stranded, max.                                    | 6 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 46228/4, 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>      |

### Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 46 mm |
|--------------|-------|

### Fuse terminals

|                                |           |                         |      |
|--------------------------------|-----------|-------------------------|------|
| Fuse holder (cartridge holder) | pluggable | Operating voltage, max. | 32 V |
|--------------------------------|-----------|-------------------------|------|

### General

|                     |                 |      |       |
|---------------------|-----------------|------|-------|
| Installation advice | Direct mounting | Rail | TS 35 |
|---------------------|-----------------|------|-------|

### Rating data

|  |                   |                                 |      |
|--|-------------------|---------------------------------|------|
| Rated cross-section                          | 6 mm <sup>2</sup> | Rated voltage                   | 250  |
| Rated voltage to adjoining terminal          | 500 V             | Rated current                   | 57 A |
| 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    |
| Surge voltage category                       | III               |                                 |      |

### UL rating data

|                                 |        |                                 |       |
|---------------------------------|--------|---------------------------------|-------|
| Certificate No. (cURus)         | E60693 | Current size B (cURus)          | 20 A  |
| Current size C (cURus)          | 20 A   | Current size D (cURus)          | 5 A   |
| Voltage size B (cURus)          | 600 V  | Voltage size C (cURus)          | 600 V |
| Voltage size D (cURus)          | 600 V  | Wire cross section max. (cURus) | 8 AWG |
| Wire cross section min. (cURus) | 20 AWG |                                 |       |

### 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 |

**Data sheet**

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**Technical data**

**Approvals**

Approvals



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

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

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**Drawings**

