

**ZSI 2X6/4X2.5****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 |
| Order No.  | <a href="#">1265990000</a>   |
| Type       | ZSI 2X6/4X2.5  |
| GTIN (EAN) | 4050118127874  |
| Qty.       | 10 pc(s).  |

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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     | 35.1 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**

|                  |         |
|------------------|---------|
| Type of mounting | Snap-on |
|------------------|---------|

**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 |
| Type of connection 2  | 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>      |   |                          |

## Fuse terminals

|                         |       |
|-------------------------|-------|
| Operating voltage, max. | 250 V |
|-------------------------|-------|

## General

|      |       |
|------|-------|
| Rail | TS 35 |
|------|-------|

## Rating data

|                                     |                   |  |         |
|-------------------------------------|-------------------|--|---------|
| Rated cross-section                 | 6 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated voltage to adjoining terminal | 500 V             | Rated DC voltage                             | 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                 |  |         |

## 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    | 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 |

## Important note

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

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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="#">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>  |

### ZSI 2X6/4X2.5

**Weidmüller Interface GmbH & Co. KG**

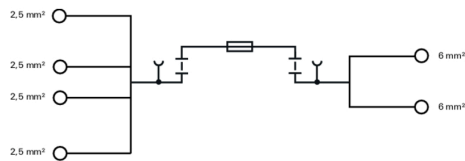
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## Drawings



## ZSI 2X6/4X2.5

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## Accessories

6 mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | ZQV 6/2 GE                 | Version                            |
| Order No.  | <a href="#">1627850000</a> | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190200428              |                                    |
| Qty.       | 60 pc(s).                  |                                    |

## Plus



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/5 PLUS MC NE WS      | Version   |
| Order No.  | <a href="#">1854490000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393596              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

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## Accessories

## Circuit breakers



Weidmueller offer circuit breakers for the integration of our fuse terminals for automotive fuses with a range from 100 mA to 25 A.

## General ordering data

|            |                            |                        |
|------------|----------------------------|------------------------|
| Type       | ETA 1180 01 3A             | Version                |
| Order No.  | <a href="#">1278990000</a> | Miniature fuse, 3 A    |
| GTIN (EAN) | 4050118091298              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 0.25A          | Version                |
| Order No.  | <a href="#">1278860000</a> | Miniature fuse, 0.25 A |
| GTIN (EAN) | 4050118091441              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 5A             | Version                |
| Order No.  | <a href="#">1279030000</a> | Miniature fuse, 5 A    |
| GTIN (EAN) | 4050118091465              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 4A             | Version                |
| Order No.  | <a href="#">1279020000</a> | Miniature fuse, 4 A    |
| GTIN (EAN) | 4050118091496              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 0.5A           | Version                |
| Order No.  | <a href="#">1278910000</a> | Miniature fuse, 0.5 A  |
| GTIN (EAN) | 4050118091359              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 0.6A           | Version                |
| Order No.  | <a href="#">1278920000</a> | Miniature fuse, 0.6 A  |
| GTIN (EAN) | 4050118091533              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 2A             | Version                |
| Order No.  | <a href="#">1278970000</a> | Miniature fuse, 2 A    |
| GTIN (EAN) | 4050118091489              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 8A             | Version                |
| Order No.  | <a href="#">1279060000</a> | Miniature fuse, 8 A    |
| GTIN (EAN) | 4050118091410              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 0.3A           | Version                |
| Order No.  | <a href="#">1278870000</a> | Miniature fuse, 0.3 A  |
| GTIN (EAN) | 4050118091472              |                        |
| Qty.       | 5 pc(s).                   |                        |
| Type       | ETA 1180 01 3.5A           | Version                |
| Order No.  | <a href="#">1279010000</a> | Miniature fuse, 3.5 A  |
| GTIN (EAN) | 4050118091397              |                        |
| Qty.       | 5 pc(s).                   |                        |

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## Accessories

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | 1180-01-1.5A               | Version               |
| Order No.  | <a href="#">1278960000</a> | Miniature fuse, 1.5 A |
| GTIN (EAN) | 4050118091540              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 0.7A           | Version               |
| Order No.  | <a href="#">1278930000</a> | Miniature fuse, 0.7 A |
| GTIN (EAN) | 4050118091519              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 1A             | Version               |
| Order No.  | <a href="#">1278950000</a> | Miniature fuse, 1 A   |
| GTIN (EAN) | 4050118091366              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 0.4A           | Version               |
| Order No.  | <a href="#">1278880000</a> | Miniature fuse, 0.4 A |
| GTIN (EAN) | 4050118091380              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 2.5A           | Version               |
| Order No.  | <a href="#">1278980000</a> | Miniature fuse, 2.5 A |
| GTIN (EAN) | 4050118091403              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 6A             | Version               |
| Order No.  | <a href="#">1279040000</a> | Miniature fuse, 6 A   |
| GTIN (EAN) | 4050118091502              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 0.8A           | Version               |
| Order No.  | <a href="#">1278940000</a> | Miniature fuse, 0.8 A |
| GTIN (EAN) | 4050118091526              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 10A            | Version               |
| Order No.  | <a href="#">1279070000</a> | Miniature fuse, 10 A  |
| GTIN (EAN) | 4050118091427              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 7A             | Version               |
| Order No.  | <a href="#">1279050000</a> | Miniature fuse, 7 A   |
| GTIN (EAN) | 4050118091434              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 0.2A           | Version               |
| Order No.  | <a href="#">1278850000</a> | Miniature fuse, 0.2 A |
| GTIN (EAN) | 4050118091458              |                       |
| Qty.       | 5 pc(s).                   |                       |
| Type       | ETA 1180 01 0.1A           | Version               |
| Order No.  | <a href="#">1278840000</a> | Miniature fuse, 0.1 A |
| GTIN (EAN) | 4050118091373              |                       |
| Qty.       | 5 pc(s).                   |                       |



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## Accessories

2.5 mm<sup>2</sup>


2.5  
mm<sup>2</sup>

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

|            |                            |                     |
|------------|----------------------------|---------------------|
| Type       | ZAP ZSI2X6/4X2.5           | Version             |
| Order No.  | <a href="#">1059310000</a> | Z-series, End plate |
| GTIN (EAN) | 4032248806355              |                     |
| Qty.       | 50 pc(s).                  |                     |

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Z-Series**

**Z**  
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | ZST 1                      | Version                         |
| Order No.  | <a href="#">1269070000</a> | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091              |                                 |
| Qty.       | 25 pc(s).                  |                                 |

**Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 pc(s).                   |                          |