

**ZSI 2.5-2/2X2AN/G25****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload —ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

|            |   |
|------------|---|
| Version    | Z-series, Fuse terminal, Rated cross-section: 2.5 mm², Tension-clamp connection, black, Direct mounting |
| Order No.  | <a href="#">1826200000</a>  |
| Type       | ZSI 2.5-2/2X2AN/G25   |
| GTIN (EAN) | 4032248374151   |
| Qty.       | 20 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 55 mm       | Depth (inches) | 2.1654 inch |
| Depth including DIN rail | 55.5 mm     | Height         | 68 mm       |
| Height (inches)          | 2.6772 inch | Width          | 12.2 mm     |
| Width (inches)           | 0.4803 inch | Net weight     | 27.7 g      |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Basic 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  |
| Mounting rail                       | TS 35   | N-function                    | No  |
| PE function                         | No  | PEN function                  | No  |

## Additional technical data

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

## CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA)  | 300 V          |
| Current size C (CSA)          | 10 A   | Certificate No. (CSA) | 200039-1152892 |
| Voltage size D (CSA)          | 600 V  | Current size D (CSA)  | 5 A            |
| Wire cross section min. (CSA) | 26 AWG |                       |                |

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## Technical data

## Conductors for clamping (additional connection)

|   |                          |   |                     |
|---|--------------------------|---|---------------------|
| Connection direction additional connection  | Inclined / angled        | 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 0.5 mm <sup>2</sup> connection, min.             |                     |
| Number of connections, additional connection  | 2                        | Rated cross-section, further connection   | 2.5 mm <sup>2</sup> |
| Blade size, additional connection   | 0.6 x 3.5 mm             | Cross-section for connected wire, AWG, additional connection, min.                          | AWG 26              |
| Cross-section for connected wire, solid-core, further connection, min.                      | 0.5 mm <sup>2</sup>      | Cross-section for connected wire, solid-core, further connection, max.                      | 4 mm <sup>2</sup>   |
| Connection type, additional connection  | Tension-clamp connection | Cross-section for connected wire, flexible, further connection, max.                        | 4 mm <sup>2</sup>   |
| Cross-section for connected wire, AWG, additional connection, max.                          | AWG 12                   | Stripping length, additional connection   | 10 mm               |

## Conductors for clamping (rated connection)

|   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| Gauge to IEC 60947-1  | A3                       | Wire connection cross section AWG, max.   | AWG 14                   |
| Connection direction  | Inclined / angled        | Stripping length  | 10 mm                    |
| Type of connection 2  | Tension-clamp connection | Type of connection  | Tension-clamp connection |
| Number of connections   | 2                        | Clamping range, max.  | 4 mm <sup>2</sup>        |
| Clamping range, min.  | 0.13 mm <sup>2</sup>     | Blade size  | 0.6 x 3.5 mm             |
| Wire connection cross section AWG, min.   | AWG 26                   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm <sup>2</sup>     | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup>     | Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>        |
| Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup>     | Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.  | 0.13 mm <sup>2</sup>     | Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>        |
| Wire connection cross-section, solid core, min.   | 0.13 mm <sup>2</sup>     | Connection cross-section, finely stranded, min.   | 0.13 mm <sup>2</sup>     |

## General

|   |        |                     |                 |
|---|--------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 14 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 26 | Standards           | IEC 60947-7-3   |
| Mounting rail                           | TS 35  |                     |                 |

## Rating data

|                                     |                     |  |         |
|-------------------------------------|---------------------|--|---------|
| Rated cross-section                 | 2.5 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated voltage to adjoining terminal | 500 V               | Rated DC voltage                             | 500 V   |
| Nominal current                     | 10 A                | Current at maximum wires                     | 10 A    |
| Standards                           | IEC 60947-7-3       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |

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**Technical data**

|                                 |      |   |        |
|---------------------------------|------|---|--------|
| Rated impulse withstand voltage | 4 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity              | 3    |   |        |

**UL rating data**

|  |        |  |        |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size D (cURus)                   | 600 V  |
| Certificate No. (cURus)                    | E60693 | Conductor size Field wiring min. (cURus) | 26 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Voltage size C (cURus)                   | 300 V  |
| Current size C (cURus)                     | 10 A   | Current size D (cURus)                   | 5 A    |
| Conductor size Field wiring max. (cURus)   | 12 AWG |  |        |

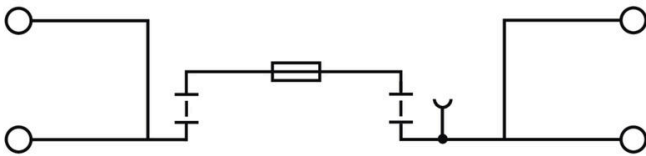
**Important note**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

## Drawings



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## Accessories

## Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

## General ordering data

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | ZQV 4/2 GE                 | Version                            |
| Order No.  | <a href="#">1608950000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263225              |                                    |
| Qty.       | 60 ST                      |                                    |

## End plates and partition plates

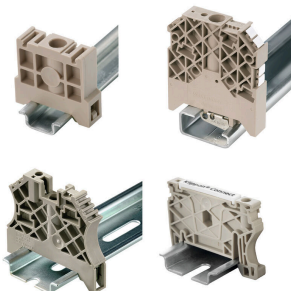


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

## General ordering data

|            |                            |                     |
|------------|----------------------------|---------------------|
| Type       | ZAP ZDU6-2 SW              | Version             |
| Order No.  | <a href="#">1814710000</a> | Z-series, End plate |
| GTIN (EAN) | 4032248359417              |                     |
| Qty.       | 50 ST                      |                     |

## End bracket



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       | ZEW 35                     | Version   |
| Order No.  | <a href="#">9540000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264              |   |
| Qty.       | 20 ST                      |   |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZEW 35/2                   | Version   |
| Order No.  | <a href="#">8630740000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916              |   |
| Qty.       | 20 ST                      |   |

## Fuse



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | G 25/1.00A/M RT            | Version   |
| Order No.  | <a href="#">0265800000</a> | Miniature fuse, medium time-lag, 1 A, G-Si. 5 x 25    |
| GTIN (EAN) | 4008190141660              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/2.00A/F BL            | Version   |
| Order No.  | <a href="#">0192700000</a> | Miniature fuse, quick-acting, 2 A, G-Si. 5 x 25       |
| GTIN (EAN) | 4008190176402              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/4.00A/F BR            | Version   |
| Order No.  | <a href="#">0192800000</a> | Miniature fuse, quick-acting, 4 A, G-Si. 5 x 25       |
| GTIN (EAN) | 4008190115319              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/6.30A/F GN            | Version   |
| Order No.  | <a href="#">0192900000</a> | Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 25     |
| GTIN (EAN) | 4008190135461              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/10.0A/M RT            | Version   |
| Order No.  | <a href="#">0193100000</a> | Miniature fuse, medium time-lag, 10 A, G-Si. 5 x 25   |
| GTIN (EAN) | 4008190023799              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/0.50A/M WS            | Version   |
| Order No.  | <a href="#">0510300000</a> | Miniature fuse, medium time-lag, 0.5 A, G-Si. 5 x 25  |
| GTIN (EAN) | 4008190018368              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/0.25A/M GE            | Version   |
| Order No.  | <a href="#">0546900000</a> | Miniature fuse, medium time-lag, 0.25 A, G-Si. 5 x 25 |
| GTIN (EAN) | 4008190097370              |   |
| Qty.       | 10 ST                      |   |
| Type       | G 25/0.80A/M GR            | Version   |
| Order No.  | <a href="#">0646400000</a> | Miniature fuse, medium time-lag, 0.8 A, G-Si. 5 x 25  |
| GTIN (EAN) | 4008190060794              |   |
| Qty.       | 10 ST                      |   |

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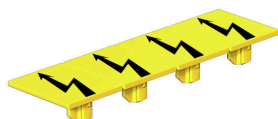
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## Accessories

## Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

## General ordering data

|            |                            |                 |
|------------|----------------------------|-----------------|
| Type       | ZAD 1/4                    | Version         |
| Order No.  | <a href="#">1609110000</a> | Z-series, Cover |
| GTIN (EAN) | 4008190190910              |                 |
| Qty.       | 20 ST                      |                 |
| Type       | ZAD 2/4                    | Version         |
| Order No.  | <a href="#">1609080000</a> | Z-series, Cover |
| GTIN (EAN) | 4008190263317              |                 |
| Qty.       | 20 ST                      |                 |

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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       | WS 10/5 MC NE WS           | Version  |
| Order No.  | <a href="#">1635000000</a> | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190261948              | Allen-Bradley, white   |
| Qty.       | 720 ST                     |  |



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## Accessories

## V0



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 MC NE V0 WS        | Version   |
| Order No.  | <a href="#">1388530000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4050118188622              | Weidmueller, white  |
| Qty.       | 1000 ST                    |   |

## 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 ST                     |                            |

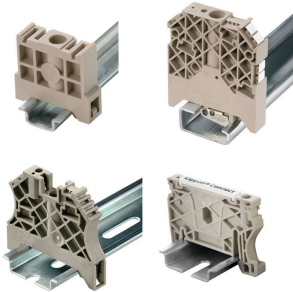
  

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN)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

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**Accessories**
**End bracket**


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 ST                      |                                 |  |

**Slotted screwdriver**


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

**General ordering data**

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | SDIS SLIM 0.6X3.5X100      | Version   |  |
| Order No.  | <a href="#">2749610000</a> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |  |
| GTIN (EAN) | 4050118896350              | thickness (A): 0.6 mm   |  |
| Qty.       | 1 ST                       |   |  |