

**ZSI 2.5-2/2X2AN/G20****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, black, Direct mounting |
| Order No.  | <a href="#">1826050000</a>                                                                                           |
| Type       | ZSI 2.5-2/2X2AN/G20                                                                                                  |
| GTIN (EAN) | 4032248374168                                                                                                        |
| Qty.       | 20 pc(s).                                                                                                            |

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**Technical data****Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 55 mm      | Depth (inches) | 2.165 inch |
| Depth including DIN rail | 55.5 mm    | Height         | 68 mm      |
| Height (inches)          | 2.677 inch | Width          | 12.2 mm    |
| Width (inches)           | 0.48 inch  | Net weight     | 24.67 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)          | 10 A   |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

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**Technical data****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                                                                        | Inclined / angled   | 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                                                | 2                        |
| Rated cross-section, further connection                                                     | 2.5 mm <sup>2</sup> | Stripping length, additional connection                                                     | 10 mm                    |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | Inclined / angled        |
| Gauge to IEC 60947-1                                                                    | A3                   | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section, finely stranded, max.                                    | 4 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. | 2.5 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. | 2.5 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.                                         | 4 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                                                                     | G-Si. 5 x 20          | Fuse holder (cartridge holder)                                                   | for screw fixing      |
| Operating voltage, max.                                                            | 500 V                 | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 41°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 2.5 W at 6.3 A @ 39°C | Type of voltage for indicator                                                    | AC/DC                 |

**General**

|                     |                 |      |       |
|---------------------|-----------------|------|-------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Standards           | IEC 60947-7-3   |      |       |

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## Technical data

## Rating data

|                                              |                     |                                 |               |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 250 V         |
| Rated voltage to adjoining terminal          | 500 V               | Rated 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             | Rated impulse withstand voltage | 4 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

## UL rating data

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

## 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 |             |             |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|                                             |                                                                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</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>                                                                                                                                        |
| Brochures                                   |                                                                                                                                                                                 |

### ZSI 2.5-2/2X2AN/G20

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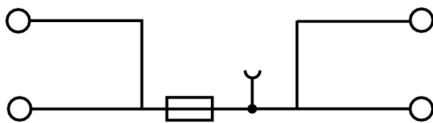
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## Drawings



## ZSI 2.5-2/2X2AN/G20

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## Accessories

## 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 pc(s).                 |                                                                    |

## 5x20



For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

## General ordering data

|            |                            |                         |
|------------|----------------------------|-------------------------|
| Type       | G 20/1.00A/F               | Version                 |
| Order No.  | <a href="#">0430700000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190093877              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/3.15A/F               | Version                 |
| Order No.  | <a href="#">0431100000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190012977              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/5.00A/F               | Version                 |
| Order No.  | <a href="#">0431300000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190185381              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/0.25A/F               | Version                 |
| Order No.  | <a href="#">0430500000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190153991              |                         |
| Qty.       | 10 pc(s).                  |                         |

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**Accessories**

|            |                            |                         |
|------------|----------------------------|-------------------------|
| Type       | G 20/2.00A/F               | Version                 |
| Order No.  | <a href="#">0430900000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190123567              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/1.60A/F               | Version                 |
| Order No.  | <a href="#">0430800000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190031503              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/0.63A/F               | Version                 |
| Order No.  | <a href="#">0439000000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190131210              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/4.00A/F               | Version                 |
| Order No.  | <a href="#">0431200000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190022983              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/0.20A/F               | Version                 |
| Order No.  | <a href="#">0430400000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190152383              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/0.50A/F               | Version                 |
| Order No.  | <a href="#">0430600000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190046835              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/2.50A/F               | Version                 |
| Order No.  | <a href="#">0431000000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190085513              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/0.10A/F               | Version                 |
| Order No.  | <a href="#">0430300000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190077174              |                         |
| Qty.       | 10 pc(s).                  |                         |
| Type       | G 20/6.30A/F               | Version                 |
| Order No.  | <a href="#">0431400000</a> | Active components, Fuse |
| GTIN (EAN) | 4008190086053              |                         |
| Qty.       | 10 pc(s).                  |                         |

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## Accessories

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

## Custom printing



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 SDR             | Version                                                   |
| Order No.  | <a href="#">1609810000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190456597              | Weidmueller, To customer specification                    |
| Qty.       | 200 pc(s).                 |                                                           |

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## Accessories

## Z-Series

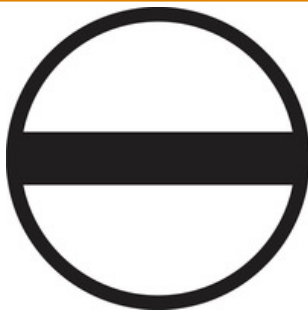


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |                                 |
|------------|----------------------------|---------------------------------|
| Type       | ZEW 35                     | Version                         |
| Order No.  | <a href="#">9540000000</a> | Z-series, End bracket           |
| GTIN (EAN) | 4008190956264              |                                 |
| Qty.       | 20 pc(s).                  |                                 |
| Type       | ZST 1                      | Version                         |
| Order No.  | <a href="#">1269070000</a> | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091              |                                 |
| Qty.       | 25 pc(s).                  |                                 |
| Type       | ZEW 35/2                   | Version                         |
| Order No.  | <a href="#">8630740000</a> | Z-series, End bracket           |
| GTIN (EAN) | 4032248348916              |                                 |
| Qty.       | 20 pc(s).                  |                                 |

## 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 pc(s).                   |                                                                     |

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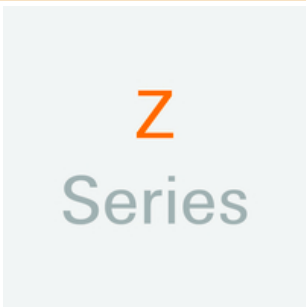
Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****4 mm<sup>2</sup>**4  
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 4/2 GE                 | Version                            |
| Order No.  | <a href="#">1608950000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4008190263225              |                                    |
| Qty.       | 60 pc(s).                  |                                    |

**Z-Series**Z  
Series

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

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