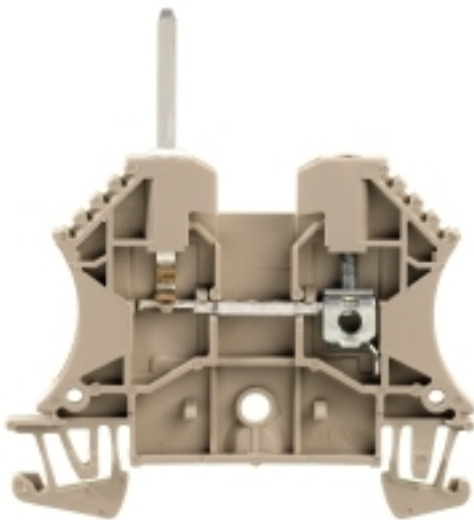


**WDU 2.5 TS SE 2.4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

**General ordering data**

|            |  |
|------------|--|
| Version    | W-Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1021200000</a>   |
| Type       | WDU 2.5 TS SE 2.4  |
| GTIN (EAN) | 4008190172718  |
| Qty.       | 100 pc(s).   |

## WDU 2.5 TS SE 2.4

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 46.5 mm | Depth (inches)  | 1.831 inch |
| Height     | 60 mm   | Height (inches) | 2.362 inch |
| Width      | 5.1 mm  | Width (inches)  | 0.201 inch |
| Net weight | 8.1 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 | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |   |                               |     |
|-------------------------------------|---|-------------------------------|-----|
| Version                             | Screw connection, with Thermipoint connection | End cover plate required      | Yes |
| Number of potentials                | 1   | Number of levels              | 1   |
| Number of clamping points per level | 1   | 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  |

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.   | 1.5 mm <sup>2</sup> |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No    | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

## Conductors for clamping (additional connection)

|  |                  |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

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## Technical data

## Conductors for clamping (rated connection)

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm         | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.05 mm <sup>2</sup> | Clamping screw  | M 2.5               |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Connection direction  | on side              | Gauge to IEC 60947-1  | A3                  |
| Number of connections   | 2                    | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.8 Nm               | Tightening torque, min.   | 0.4 Nm              |
| Torque level with DMS electric screwdriver  | 1                    | Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup>  | Type of connection  | Screw connection    |
| Wire connection cross section AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 30              |
| 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> |

## General

|   |        |   |               |
|---|--------|---|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30        |

## Rating data

|  |                     |                                 |               |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 125 V         |
| Rated DC voltage                             | 125 V               | Rated current                   | 10 A          |
| Current at maximum wires                     | 10 A                | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 2.5 kV        |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-01 |

## Approvals

Approvals



ROHS

Conform

## WDU 2.5 TS SE 2.4

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CE 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>  |
| Engineering Data                            | <a href="#">Zuken E3.S</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

### WDU 2.5 TS SE 2.4

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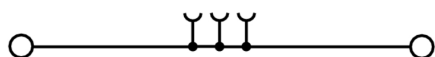
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## Drawings



## WDU 2.5 TS SE 2.4

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## Accessories

2.5 mm<sup>2</sup>


2.5  
mm<sup>2</sup>

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | WQV 2.5/7                  | Version   |
| Order No.  | <a href="#">1054160000</a> | Cross-connector (terminal), when screwed in, Number of poles: 7,  |
| GTIN (EAN) | 4008190011246              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/6                  | Version   |
| Order No.  | <a href="#">1054060000</a> | Cross-connector (terminal), when screwed in, Number of poles: 6,  |
| GTIN (EAN) | 4008190102272              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/15                 | Version   |
| Order No.  | <a href="#">1059660000</a> | Cross-connector (terminal), when screwed in, Number of poles: 15, |
| GTIN (EAN) | 4008190002411              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/5                  | Version   |
| Order No.  | <a href="#">1053960000</a> | Cross-connector (terminal), when screwed in, Number of poles: 5,  |
| GTIN (EAN) | 4008190158446              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/32                 | Version   |
| Order No.  | <a href="#">1577600000</a> | Cross-connector (terminal), when screwed in, Number of poles: 32, |
| GTIN (EAN) | 4008190154035              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/10                 | Version   |
| Order No.  | <a href="#">1054460000</a> | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190135089              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 20 pc(s).                  |   |
| Type       | WQV 2.5/20                 | Version   |
| Order No.  | <a href="#">1577570000</a> | Cross-connector (terminal), when screwed in, Number of poles: 20, |
| GTIN (EAN) | 4008190125868              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |
| Type       | WQV 2.5/3                  | Version   |
| Order No.  | <a href="#">1053760000</a> | Cross-connector (terminal), when screwed in, Number of poles: 3,  |
| GTIN (EAN) | 4008190058999              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 2.5/2                  | Version   |
| Order No.  | <a href="#">1053660000</a> | Cross-connector (terminal), when screwed in, Number of poles: 2,  |
| GTIN (EAN) | 4008190031121              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 2.5/30                 | Version   |
| Order No.  | <a href="#">1067500000</a> | Cross-connector (terminal), when screwed in, Number of poles: 30, |
| GTIN (EAN) | 4008190031107              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow               |
| Qty.       | 10 pc(s).                  |   |

Creation date May 4, 2024 7:49:21 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

## WDU 2.5 TS SE 2.4

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | WQV 2.5/4                  | Version  |
| Order No.  | <a href="#">1053860000</a> | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190049706              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow              |
| Qty.       | 50 pc(s).                  |  |
| Type       | WQV 2.5/8                  | Version  |
| Order No.  | <a href="#">1054260000</a> | Cross-connector (terminal), when screwed in, Number of poles: 8, |
| GTIN (EAN) | 4008190073572              | Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow              |
| Qty.       | 10 pc(s).                  |  |

## W-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | WTA 5/1                    | Version                                       |
| Order No.  | <a href="#">1051260000</a> | Test adapter (terminal), 0.75 mm², 250 V, 6 A |
| GTIN (EAN) | 4008190161897              |   |
| Qty.       | 25 pc(s).                  |   |

## Testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

|            |                            |                     |
|------------|----------------------------|---------------------|
| Type       | STB 8.5/D4/2.3/M2.5 AKZ    | Version             |
| Order No.  | <a href="#">0215700000</a> | Accessories, Socket |
| GTIN (EAN) | 4008190184872              |                     |
| Qty.       | 50 pc(s).                  |                     |

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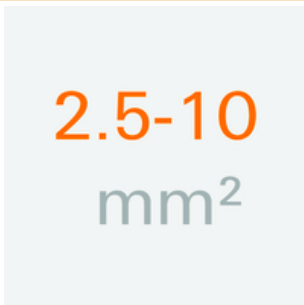
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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Test plugs**

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

**General ordering data**

|            |                            |                                |
|------------|----------------------------|--------------------------------|
| Type       | PS 2.3 RT                  | Version                        |
| Order No.  | <a href="#">0180400000</a> | Test adapter (terminal), 20 mA |
| GTIN (EAN) | 4008190060121              |                                |
| Qty.       | 20 pc(s).                  |                                |

**2.5-10 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       | WAP 2.5-10                 | Version   |
| Order No.  | <a href="#">1050000000</a> | End plate (terminals), 56 mm x 1.5 mm, dark beige |
| GTIN (EAN) | 4008190103149              |   |
| Qty.       | 50 pc(s).                  |   |



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## Accessories

## ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZGB 30/3.5                 | Version   |
| Order No.  | <a href="#">1778290000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248161065              | white   |
| Qty.       | 20 pc(s).                  |   |
| Type       | ZGB 15                     | Version   |
| Order No.  | <a href="#">1636530000</a> | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053              | Weidmueller, white  |
| Qty.       | 20 pc(s).                  |   |
| Type       | ZGB 30                     | Version   |
| Order No.  | <a href="#">1611930000</a> | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251              | Weidmueller, white  |
| Qty.       | 20 pc(s).                  |   |

## With lightning flash



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers.

**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       | WAD 5 MC B GE/SW           | Version   |
| Order No.  | <a href="#">1120450000</a> | Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5, |
| GTIN (EAN) | 4032248901272              | WEW 35/2, ZEW 35/2, yellow  |
| Qty.       | 48 pc(s).                  |   |

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