

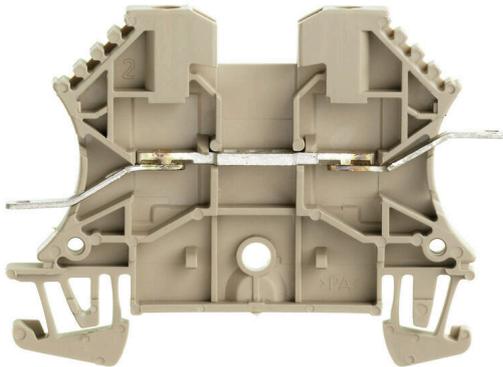
**WDU 2.5 LL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |   |
|------------|---|
| Version    | W-Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Solder connection |
| Order No.  | <a href="#">1022200000</a>  |
| Type       | WDU 2.5 LL  |
| GTIN (EAN) | 4008 190145859  |
| Qty.       | 100 items   |

## WDU 2.5 LL

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 46.5 mm | Depth (inches)  | 1.8307 inch |
| Height     | 64 mm   | Height (inches) | 2.5197 inch |
| Width      | 5.1 mm  | Width (inches)  | 0.2008 inch |
| Net weight | 6.78 g  |                 |             |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °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%       |                  |  |
| Product Carbon Footprint | Cradle to gate              | 0,055 kg CO2 eq. |  |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic material            | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |   |                               |     |
|-------------------------------------|---|-------------------------------|-----|
| Version                             | with solder connection,<br>Both sides, One end<br>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 | 0   |
| 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 | Number of similar terminals | 1       |
| Explosion-tested version | No    | Type of mounting            | Snap-on |

## Conductors for clamping (additional connection)

Connection type, additional connection Solder connection

## Conductors for clamping (rated connection)

|   |        |                         |         |
|---|--------|-------------------------|---------|
| Wire connection cross section AWG, max. | AWG 14 | Connection direction    | on side |
| Tightening torque, max.                 | 0.8 Nm | Tightening torque, min. | 0.4 Nm  |

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## Technical data

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Stripping length  | 10 mm               | Type of connection  | Solder connection   |
| Number of connections   | 2                   | Clamping range, max.  | 1.5 mm <sup>2</sup> |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 2.5               |
| Blade size  | 0.6 x 3.5 mm        | Wire connection cross section AWG, min.   | AWG 20              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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, max.                                    | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 1.5 mm <sup>2</sup> |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup> | Torque level with DMS electric screwdriver  | 1                   |
| Wire connection cross-section, solid core, max.   | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.   | 0.5 mm <sup>2</sup> |   |                     |

### General

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 14        | Wire connection cross section AWG, min. | AWG 20 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

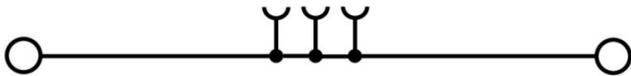
### Rating data

|  |                     |                                 |               |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 400 V         |
| Rated DC voltage                             | 400 V               | Nominal current                 | 15 A          |
| Current at maximum wires                     | 15 A                | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

**Drawings**



## WDU 2.5 LL

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 Germany

## Accessories

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### 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       | WQV 2.5/2                  | Version  |
| Order No.  | <a href="#">1053660000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190031121              | poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 50 ST                      |  |
| Type       | WQV 2.5/3                  | Version  |
| Order No.  | <a href="#">1053760000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190058999              | poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 50 ST                      |  |
| Type       | WQV 2.5/4                  | Version  |
| Order No.  | <a href="#">1053860000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190049706              | poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 50 ST                      |  |
| Type       | WQV 2.5/5                  | Version  |
| Order No.  | <a href="#">1053960000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190158446              | poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/6                  | Version  |
| Order No.  | <a href="#">1054060000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190102272              | poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/7                  | Version  |
| Order No.  | <a href="#">1054160000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190011246              | poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/8                  | Version  |
| Order No.  | <a href="#">1054260000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190073572              | poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm         |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/10                 | Version  |
| Order No.  | <a href="#">1054460000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190135089              | poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 20 ST                      |  |
| Type       | WQV 2.5/15                 | Version  |
| Order No.  | <a href="#">1059660000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190002411              | poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/20                 | Version  |
| Order No.  | <a href="#">1577570000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190125868              | poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | WQV 2.5/30                 | Version  |
| Order No.  | <a href="#">1067500000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190031107              | poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 ST                      |  |
| Type       | WQV 2.5/32                 | Version  |
| Order No.  | <a href="#">1577600000</a> | Cross-connector (terminal), when screwed in, yellow, 32 A, Number of |
| GTIN (EAN) | 4008190154035              | poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm        |
| Qty.       | 10 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       | WAP 2.5-10                 | Version   |
| Order No.  | <a href="#">1050000000</a> | End plate for terminals, dark beige, Height: 56 mm, Width: 1.5 mm,  |
| GTIN (EAN) | 4008190103149              | V-0, Wemid, Snap-on: No   |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 BL              | Version   |
| Order No.  | <a href="#">1050080000</a> | End plate for terminals, blue, Height: 56 mm, Width: 1.5 mm, V-0,   |
| GTIN (EAN) | 4008190136611              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 BR              | Version   |
| Order No.  | <a href="#">1050070000</a> | End plate for terminals, brown, Height: 56 mm, Width: 1.5 mm, V-0,  |
| GTIN (EAN) | 4008190455507              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 GE              | Version   |
| Order No.  | <a href="#">1050020000</a> | End plate for terminals, yellow, Height: 56 mm, Width: 1.5 mm, V-0, |
| GTIN (EAN) | 4008190406776              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 GN              | Version   |
| Order No.  | <a href="#">1072200000</a> | End plate for terminals, green, Height: 56 mm, Width: 1.5 mm, V-0,  |
| GTIN (EAN) | 4008190455491              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 GR              | Version   |
| Order No.  | <a href="#">1050050000</a> | End plate for terminals, grey, Height: 56 mm, Width: 1.5 mm, V-0,   |
| GTIN (EAN) | 4008190455484              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |
| Type       | WAP 2.5-10 OR              | Version   |
| Order No.  | <a href="#">1050060000</a> | End plate for terminals, orange, Height: 56 mm, Width: 1.5 mm, V-0, |
| GTIN (EAN) | 4008190406769              | Wemid, Snap-on: No  |
| Qty.       | 50 ST                      |   |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | WAP 2.5-10 RT              | Version  |
| Order No.  | <a href="#">1050040000</a> | End plate for terminals, red, Height: 56 mm, Width: 1.5 mm, V-0,       |
| GTIN (EAN) | 4008190406783              | Wemid, Snap-on: No   |
| Qty.       | 50 ST                      |  |
| Type       | WAP 2.5-10 SW              | Version  |
| Order No.  | <a href="#">1050010000</a> | End plate for terminals, black, Height: 56 mm, Width: 1.5 mm, V-0,     |
| GTIN (EAN) | 4008190406806              | Wemid, Snap-on: No   |
| Qty.       | 50 ST                      |  |
| Type       | WAP 2.5-10 VI              | Version  |
| Order No.  | <a href="#">1072210000</a> | End plate for terminals, violet, Height: 56 mm, Width: 1.5 mm, V-0,    |
| GTIN (EAN) | 4008190455460              | Wemid, Snap-on: No   |
| Qty.       | 50 ST                      |  |
| Type       | WAP 2.5-10 WS              | Version  |
| Order No.  | <a href="#">1050090000</a> | End plate for terminals, white, Height: 56 mm, Width: 1.5 mm, V-0,     |
| GTIN (EAN) | 4008190406790              | Wemid, Snap-on: No   |
| Qty.       | 50 ST                      |  |
| Type       | WAP 16+35 WTW 2.5-10       | Version  |
| Order No.  | <a href="#">1050100000</a> | End and partition plate for terminals, dark beige, Height: 56 mm,      |
| GTIN (EAN) | 4008190079901              | Width: 1.5 mm, V-0, Wemid  |
| Qty.       | 20 ST                      |  |
| Type       | WAP 16+35 WTW 2.5-10 BL    | Version  |
| Order No.  | <a href="#">1050180000</a> | End and partition plate for terminals, blue, Height: 56 mm, Width: 1.5 |
| GTIN (EAN) | 4008190013899              | mm, V-0, Wemid   |
| Qty.       | 20 ST                      |  |

## Testadapter and 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       | WTA 2 WDU2.5-10            | Version   |
| Order No.  | <a href="#">1632320000</a> | Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A |
| GTIN (EAN) | 4008190257347              |   |
| Qty.       | 25 ST                      |   |
| Type       | WTA 2/ZA WDU2.5-10         | Version   |
| Order No.  | <a href="#">1632330000</a> | Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A |
| GTIN (EAN) | 4008190257330              |   |
| Qty.       | 25 ST                      |   |
| Type       | WTA 2/10 WDU2.5/10         | Version   |
| Order No.  | <a href="#">1632340000</a> | Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A |
| GTIN (EAN) | 4008190209599              |   |
| Qty.       | 5 ST                       |   |

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## Accessories

### Cutting and notching tools for cross-connections



- for Weidmüller Z-Series cross-connections
- for cross-connections from WQV 2.5 to WQV 35
- for cross-connection window of the terminal WSI 6

### General ordering data

|            |                            |                     |  |
|------------|----------------------------|---------------------|--|
| Type       | WAW 1 NEUTRAL              | Version             |  |
| Order No.  | <a href="#">9004500000</a> | Miscellaneous tools |  |
| GTIN (EAN) | 4008190053925              |                     |  |
| Qty.       | 1 ST                       |                     |  |

### Testadapter and testsockets

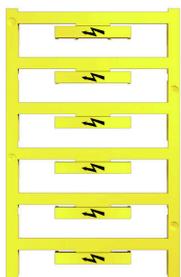


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

### General ordering data

|            |                            |                                       |  |
|------------|----------------------------|---------------------------------------|--|
| Type       | PS 2.3 RT                  | Version                               |  |
| Order No.  | <a href="#">0180400000</a> | Test adapter (terminal), 230 V, 20 mA |  |
| GTIN (EAN) | 4008190060121              |                                       |  |
| Qty.       | 20 ST                      |                                       |  |
| Type       | STB 8.5/D4/2.3/M2.5 AKZ    | Version                               |  |
| Order No.  | <a href="#">0215700000</a> | Accessories, Socket                   |  |
| GTIN (EAN) | 4008190184872              |                                       |  |
| Qty.       | 50 ST                      |                                       |  |

### 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.

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## Accessories

### 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 ST                      |  |          |

### 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                     | 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 ST                      |   |  |
| 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 ST                      |   |  |
| 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 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                     |                            |  |