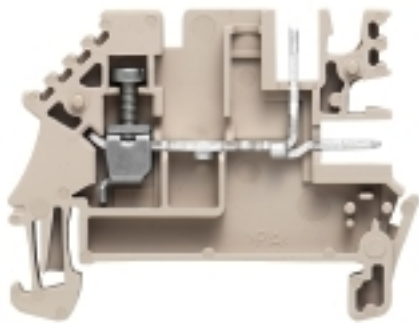


**WDU 1.5/BLZ 5.08****Weidmüller Interface GmbH & Co. KG**

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    | Feed-through terminal block, Screw connection, 1.5 mm <sup>2</sup> , 250 V, 16 A, Number of connections: 3 |
| Order No.  | <a href="#">1577340000</a>   |
| Type       | WDU 1.5/BLZ 5.08   |
| GTIN (EAN) | 4008190142728  |
| Qty.       | 100 pc(s).   |

## WDU 1.5/BLZ 5.08

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 37 mm      | Depth (inches) | 1.457 inch |
| Depth including DIN rail | 37.5 mm    | Height         | 49 mm      |
| Height (inches)          | 1.929 inch | Width          | 5.08 mm    |
| Width (inches)           | 0.2 inch   | Net weight     | 4.55 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                             | 1 plug-in connection - 2 plug-in connections, for screwable cross-connection, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1   | Number of levels              | 1   |
| Number of clamping points per level | 3   | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No  | PE connection                 | No  |
| Rail                                | TS 35   | N-function                    | No  |
| PE function                         | No  | PEN function                  | No  |

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

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.   | 2.5 mm <sup>2</sup> | Cross-section for connected wire, solid, two clampable wires, min.   | 0.5 mm <sup>2</sup> |
| 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 |

## CSA rating data

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-260 | Current size B (CSA)          | 10 A   |
| Current size C (CSA)          | 10 A      | Current size D (CSA)          | 10 A   |
| Voltage size B (CSA)          | 300 V     | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

## Conductors for clamping (additional connection)

|   |                     |
|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm <sup>2</sup> |
|---|---------------------|

Creation date July 5, 2024 3:16:12 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

## WDU 1.5/BLZ 5.08

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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.  | 0.13 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   | 3                    | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.6 Nm               | Tightening torque, min.   | 0.4 Nm              |
| Torque level with DMS electric screwdriver  | 1                    | Type of connection  | Screw connection    |
| Wire connection cross section AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 26              |
| 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> |

## Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 31.5 mm |
|--------------|---------|

## General

|   |        |   |   |
|---|--------|---|---|
| Rail                                    | TS 35  | Standards                               | IEC 61210, In accordance with IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26                                      |

## Rating data

|  |                     |                                 |   |
|--|---------------------|---------------------------------|---|
| Rated cross-section                          | 1.5 mm <sup>2</sup> | Rated voltage                   | 250 V                                       |
| Rated DC voltage                             | 250 V               | Rated current                   | 16 A  |
| Current at maximum wires                     | 16 A                | Standards                       | IEC 61210, In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ             | Rated impulse withstand voltage | 4 kV  |
| Power loss in accordance with IEC 60947-7-x  | 0.56 W              | Pollution severity              | 3   |

## UL rating data

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size B (UR)                     | 20 A   |
| Current size C (UR)                     | 20 A   | Current size D (UR)                     | 5 A    |
| Voltage size B (UR)                     | 300 V  | Voltage size C (UR)                     | 300 V  |
| Voltage size D (UR)                     | 600 V  |   |        |

## WDU 1.5/BLZ 5.08

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## Technical data

## 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 |

## Environmental Product Compliance

REACH SVHC

/

## Approvals

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UR)  | E60693     |

## 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><br><a href="#">User Manual WDU1.5/BLA/BLZ</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

### WDU 1.5/BLZ 5.08

**Weidmüller Interface GmbH & Co. KG**

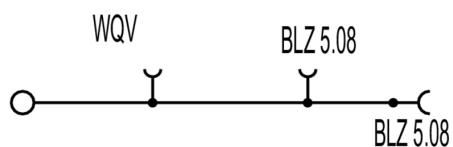
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## Drawings



## WDU 1.5/BLZ 5.08

Weidmüller Interface GmbH &amp; Co. KG

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## Accessories

## W-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       | WEW 35/2                   | Version  |
| Order No.  | <a href="#">1061200000</a> | End bracket, Wemid, dark beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190030230              |  |
| Qty.       | 50 pc(s).                  |  |

## BLZP 5.08HC/180F SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

## General ordering data

| Type       | BLZP 5.08HC/04/180F SN ... | Version  | Product data                       | Packaging |
|------------|----------------------------|--|------------------------------------|-----------|
| Order No.  | <a href="#">1944110000</a> | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 4, | IEC: 400 V / 23 A / 0.2 - 4 mm²    | Box       |
| GTIN (EAN) | 4032248617494              | 180°, Clamping yoke connection, Clamping range, max.: 4 mm², Box | UL: 300 V / 20 A / AWG 26 - AWG 12 |           |
| Qty.       | 60 pc(s).                  |  |                                    |           |
| Type       | BLZP 5.08HC/08/180F SN ... | Version  | Product data                       | Packaging |
| Order No.  | <a href="#">1944150000</a> | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm²    | Box       |
| GTIN (EAN) | 4032248618736              | 180°, Clamping yoke connection, Clamping range, max.: 4 mm², Box | UL: 300 V / 20 A / AWG 26 - AWG 12 |           |
| Qty.       | 36 pc(s).                  |  |                                    |           |
| Type       | BLZP 5.08HC/06/180F SN ... | Version  | Product data                       | Packaging |
| Order No.  | <a href="#">1944130000</a> | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 6, | IEC: 400 V / 23 A / 0.2 - 4 mm²    | Box       |
| GTIN (EAN) | 4032248618712              | 180°, Clamping yoke connection, Clamping range, max.: 4 mm², Box | UL: 300 V / 20 A / AWG 26 - AWG 12 |           |
| Qty.       | 42 pc(s).                  |  |                                    |           |

## WDU 1.5/BLZ 5.08

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## Accessories

1.5 mm<sup>2</sup>


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

## General ordering data

| Type       | WAP WDU 1.5/BLZ/ZA         | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1577320000</a> | End plate (terminals), 45.4 mm x 2.5 mm, dark beige |
| GTIN (EAN) | 4008190073770              |   |
| Qty.       | 50 pc(s).                  |   |
| Type       | WAP WDU 1.5/BLZ            | Version   |
| Order No.  | <a href="#">1577330000</a> | End plate (terminals), 45.4 mm x 2.5 mm, dark beige |
| GTIN (EAN) | 4008190127046              |   |
| Qty.       | 50 pc(s).                  |   |

## BLZP 5.08HC/180 SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

## General ordering data

| Type       | BLZP 5.08HC/06/180 SN O ... | Version  | Product data                                | Packaging |
|------------|-----------------------------|--|---|-----------|
| Order No.  | <a href="#">1943620000</a>  | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 6,               | IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> | Box       |
| GTIN (EAN) | 4032248617616               | 180°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box | UL: 300 V / 20 A / AWG 26 - AWG 12          |           |
| Qty.       | 60 pc(s).                   |  |   |           |
| Type       | BLZP 5.08HC/04/180 SN O ... | Version  | Product data                                | Packaging |
| Order No.  | <a href="#">1943600000</a>  | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 4,               | IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> | Box       |
| GTIN (EAN) | 4032248617593               | 180°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box | UL: 300 V / 20 A / AWG 26 - AWG 12          |           |
| Qty.       | 90 pc(s).                   |  |   |           |
| Type       | BLZP 5.08HC/08/180 SN O ... | Version  | Product data                                | Packaging |
| Order No.  | <a href="#">1943640000</a>  | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,               | IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> | Box       |
| GTIN (EAN) | 4032248617647               | 180°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box | UL: 300 V / 20 A / AWG 26 - AWG 12          |           |
| Qty.       | 42 pc(s).                   |  |   |           |

## WDU 1.5/BLZ 5.08

Weidmüller Interface GmbH &amp; Co. KG

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## Accessories

## Fixing brackets



Fixing brackets for our pluggable terminal blocks serve as mechanical fasteners for the respective plugs. They protect both the connector and the contact from mechanical stress and unintentional loosening due to vibration.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | WBB WDU 1.5/BL...          | Version  |
| Order No.  | <a href="#">1068160000</a> | Partition plate (terminal), End and intermediate plate, 45.4 mm x 36.7 |
| GTIN (EAN) | 4008190117191              | mm, orange   |
| Qty.       | 10 pc(s).                  |  |
| Type       | WBB ZA WDU 1.5/BL 10/10    | Version  |
| Order No.  | <a href="#">1068260000</a> | Partition plate (terminal), End and intermediate plate, 45.4 mm x 36.7 |
| GTIN (EAN) | 4008190015657              | mm, orange   |
| Qty.       | 10 pc(s).                  |  |

## 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 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).                  |   |



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## Accessories

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 2.5/3                  | 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 2.5/4                  | 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 2.5/10                 | 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).                  |   |

## SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

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

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SCHT 7                     | Version   |
| Order No.  | <a href="#">0517960000</a> | SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00 |
| GTIN (EAN) | 4008190001742              | Weidmueller, white  |
| Qty.       | 20 pc(s).                  |   |

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

### Blank



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 WS           | Version   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

## WDU 1.5/BLZ 5.08

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## Accessories

## Custom printing



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 12/5 MC SDR             | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1609870000</a> | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190456641              | Allen-Bradley, To customer specification                           |
| Qty.       | 144 pc(s).                 |  |