

**WDU 6 SL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

In specific applications and industries, a hook blade connection is the preferred technology. The spring loaded feed through terminals allow a fast and safe installation: after the cable lug has been inserted in the block the conductor is fixed by the spring until you can comfortably connect it with the screw.

**General ordering data**

|            |  |
|------------|--|
| Version    | Feed-through terminal block, Screw connection, 6 mm <sup>2</sup> , 630 V, 41 A, Number of connections: 2 |
| Order No.  | <a href="#">9537460000</a>   |
| Type       | WDU 6 SL   |
| GTIN (EAN) | 4008190024222  |
| Qty.       | 50 pc(s).  |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 46.5 mm    | Depth (inches) | 1.831 inch |
| Depth including DIN rail | 47 mm      | Height         | 60 mm      |
| Height (inches)          | 2.362 inch | Width          | 7.9 mm     |
| Width (inches)           | 0.311 inch | Net weight     | 16.226 g   |

## Temperatures

|                                  |                |                                  |   |
|----------------------------------|----------------|----------------------------------|---|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -25 °C...55 °C |                                  |   |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C  |

## Material data

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

## Rating data IECEx/ATEX

|                                |   |                                 |                   |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U  | Certificate No. (IECEX)         | IECEXULD14.0005U  |
| Max. voltage (ATEX)            | 275 V   | Current (ATEX)                  | 40 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>   | Max. voltage (IECEX)            | 275 V             |
| Current (IECEX)                | 40 A  | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              |                   |
| Ex 2014/34/EU label            | II 2 G D  |                                 | Ex eb II C Gb     |

## System specifications

|                                     |  |                               |     |
|-------------------------------------|--|-------------------------------|-----|
| Version                             | Screw connection, with spring-loaded cable clamp, for screwable cross-connection, 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    | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

## CSA rating data

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Current size C (CSA)          | 45 A  |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

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## Technical data

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Blade size   | 0.8 x 4.0 mm        | Clamping range, max.                                 | 6 mm <sup>2</sup>   |
| Clamping range, min.                                 | 0.5 mm <sup>2</sup> | Clamping screw                                       | M 3.5               |
| Connection cross-section, stranded, max.             | 6 mm <sup>2</sup>   | Connection direction                                 | on side             |
| Gauge to IEC 60947-1                                 | A5                  | Number of connections                                | 2                   |
| Stripping length                                     | 16 mm               | Tightening torque, max.                              | 1.6 Nm              |
| Tightening torque, min.                              | 0.8 Nm              | Type of connection                                   | Screw connection    |
| Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.      | 6 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 |
|------|-------|-----------|---------------|

## Rating data

|  |                   |                                 |               |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section                          | 6 mm <sup>2</sup> | Rated voltage                   | 630 V         |
| Rated DC voltage                             | 630 V             | Rated current                   | 41 A          |
| Current at maximum wires                     | 57 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ           | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 1.31 W            | Pollution severity              | 2             |
| Surge voltage category                       | III               |                                 |               |

## UL rating data

|   |        |   |       |
|---|--------|---|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 20 AWG | Conductor size Field wiring max. (UR)   | 8 AWG |
| Conductor size Field wiring min. (UR)   | 20 AWG | Current size C (UR)                     | 50 A  |
| Current size D (UR)                     | 10 A   | Voltage size C (UR)                     | 150 V |
| Voltage size D (UR)                     | 300 V  |   |       |

## 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 |

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## Technical data

## Approvals

Approvals



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

## Downloads

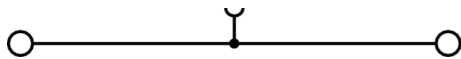
|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">ATEX Certificate</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>   |
| Product Change Notification                 | <a href="#">TI_910_WDU_6_SL_combination_of_accessories_20170517_BL</a>   |
| User Documentation                          | <a href="#">NTI WDU/WPE 6 SL EN</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

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## Drawings



## WDU 6 SL

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## Accessories

## Blank



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 8 MC NE WS             | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1112940000</a> | Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4, |
| GTIN (EAN) | 4032248891825              | WEW 35/2, ZEW 35/2, white                                       |
| Qty.       | 48 pc(s).                  |   |
| Type       | WAD 8 MC NE GE             | Version   |
| Order No.  | <a href="#">1112950000</a> | Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4, |
| GTIN (EAN) | 4032248891696              | WEW 35/2, ZEW 35/2, yellow                                      |
| Qty.       | 48 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 3 WDU4                 | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1632350000</a> | Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A |
| GTIN (EAN) | 4008190209711              |   |
| Qty.       | 25 pc(s).                  |   |

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## Accessories

## WS 12/5



## WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

## Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | WS 12/5 MM WS              | Version  |
| Order No.  | <a href="#">2007190000</a> | WS, Terminal marker, 12 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392036              |  |
| Qty.       | 800 pc(s).                 |  |

6 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 6/10                   | Version   |
| Order No.  | <a href="#">1052260000</a> | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190153977              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 20 pc(s).                  |   |
| Type       | WQV 6/2                    | Version   |
| Order No.  | <a href="#">1052360000</a> | Cross-connector (terminal), when screwed in, Number of poles: 2,  |
| GTIN (EAN) | 4008190075866              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | WQV 6/3                    | Version   |
| Order No.  | <a href="#">1054760000</a> | Cross-connector (terminal), when screwed in, Number of poles: 3,  |
| GTIN (EAN) | 4008190174163              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 6/4                    | Version   |
| Order No.  | <a href="#">1054860000</a> | Cross-connector (terminal), when screwed in, Number of poles: 4,  |
| GTIN (EAN) | 4008190180799              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 6/7                    | Version   |
| Order No.  | <a href="#">1062680000</a> | Cross-connector (terminal), when screwed in, Number of poles: 7,  |
| GTIN (EAN) | 4008190261788              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 6/5                    | Version   |
| Order No.  | <a href="#">1062660000</a> | Cross-connector (terminal), when screwed in, Number of poles: 5,  |
| GTIN (EAN) | 4008190176914              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 6/6                    | Version   |
| Order No.  | <a href="#">1062670000</a> | Cross-connector (terminal), when screwed in, Number of poles: 6,  |
| GTIN (EAN) | 4008190261771              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 pc(s).                  |   |
| Type       | WQV 6/12                   | Version   |
| Order No.  | <a href="#">1062720000</a> | Cross-connector (terminal), when screwed in, Number of poles: 12, |
| GTIN (EAN) | 4050118259391              | Pitch in mm (P): 8.00, Insulated: Yes, 57 A, yellow               |
| Qty.       | 50 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).               |   |



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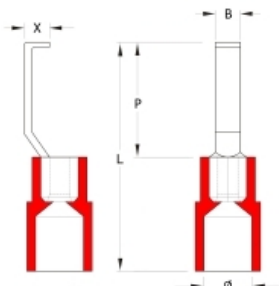
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## Accessories

## Hook-type cable lugs



The use of insulated connectors guarantees users a permanent and consistent quality for their electrical connections.

In addition, they bring advantages during installation.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | HBT 6,0 - 4,6 GE           | Version  |
| Order No.  | <a href="#">1216230000</a> | cable lug, terminal end, Insulated cable connector, 4 mm <sup>2</sup> - 6 mm <sup>2</sup> , yellow   |
| GTIN (EAN) | 4050118000337              |  |
| Qty.       | 100 pc(s).                 |  |
| Type       | HBT 2,5 - 4,6 BL           | Version  |
| Order No.  | <a href="#">1233330000</a> | cable lug, terminal end, Insulated cable connector, 1.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> , blue |
| GTIN (EAN) | 4050118016901              |  |
| Qty.       | 100 pc(s).                 |  |
| Type       | HBT 1,5 - 4,6 RT           | Version  |
| Order No.  | <a href="#">1233340000</a> | cable lug, terminal end, Insulated cable connector, 0.5 mm <sup>2</sup> - 1.5 mm <sup>2</sup> , red  |
| GTIN (EAN) | 4050118210972              |  |
| Qty.       | 100 pc(s).                 |  |

## 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 12/5 MC NE WS           | Version   |
| Order No.  | <a href="#">1609860000</a> | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, white |
| GTIN (EAN) | 4008190203481              |   |
| Qty.       | 720 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).                 |                            |

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 16+35 WTW 2.5-10       | Version  |
| Order No.  | <a href="#">1050100000</a> | End and partition plate for terminals, End plate, 56 mm x 1.5 mm, dark beige |
| GTIN (EAN) | 4008190079901              |  |
| Qty.       | 20 pc(s).                  |  |
| Type       | WAP 2.5-10 4-6             | Version  |
| Order No.  | <a href="#">1272380000</a> | End plate (terminals), 56 mm x 1.5 mm, dark beige                            |
| GTIN (EAN) | 4050118114881              |  |
| Qty.       | 50 pc(s).                  |  |
| Type       | WAP 2.5-10 SW              | Version  |
| Order No.  | <a href="#">1050010000</a> | End plate (terminals), 56 mm x 1.5 mm, black                                 |
| GTIN (EAN) | 4008190406806              |  |
| Qty.       | 50 pc(s).                  |  |
| 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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****W-Series**

**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).                  |  |