

**WTD 6 SL O.STB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Current and voltage transformer wiring**

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

**General ordering data**

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| Version    | Feed-through terminal block, Screw connection, dark beige, 6 mm <sup>2</sup> , 41 A, 630 V, Number of connections: 2 |
| Order No.  | <a href="#">1238920000</a>                                                                                           |
| Type       | WTD 6 SL O.STB                                                                                                       |
| GTIN (EAN) | 4050118032192                                                                                                        |
| Qty.       | 50 pc(s).                                                                                                            |

**WTD 6 SL O.STB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 50 mm      | Depth (inches) | 1.969 inch |
| Depth including DIN rail | 50.5 mm    | Height         | 82.7 mm    |
| Height (inches)          | 3.256 inch | Width          | 7.9 mm     |
| Width (inches)           | 0.311 inch | Net weight     | 19.677 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        |

**Material data**

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

**System specifications**

|                                     |                                                                                           |                               |     |
|-------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, with spring-loaded cable clamp, With sockets, 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 |

**Conductors for clamping (additional connection)**

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

## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## 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 cross-section, stranded, min.                                                | 1.5 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 AWG, max.                                                 | AWG 10              |
| Wire connection cross section AWG, min.                                                 | AWG 20              | 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, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 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. | 6 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.                                         | 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 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 20        |

## 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           | Power loss in accordance with IEC 60947-7-x | 1.31 W        |
| Pollution severity                           | 2                 | Surge voltage category                      | III           |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

**WTD 6 SL O.STB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

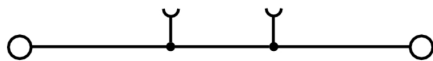
|                                             |                                                                                                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <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>                                                                                |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                       |

### WTD 6 SL O.STB

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

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

## Drawings



## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## End plate



## Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

## General ordering data

| Type       | WAP WTL6 SL                | Version                                                              |
|------------|----------------------------|----------------------------------------------------------------------|
| Order No.  | <a href="#">9538110000</a> | End plate for terminals, dark beige, Height: 82.2 mm, Width: 1.5 mm, |
| GTIN (EAN) | 4008190574994              | V-O, Wemid, Snap-on: No                                              |
| Qty.       | 20 pc(s).                  |                                                                      |
| Type       | WAP WTL6 SL 4-6            | Version                                                              |
| Order No.  | <a href="#">1238880000</a> | End plate for terminals, dark beige, Height: 82.2 mm, Width: 1.5 mm, |
| GTIN (EAN) | 4050118045680              | V-O, Wemid, Snap-on: No                                              |
| Qty.       | 20 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       | GWHUE M3 WTL6              | Version                                                             |
|------------|----------------------------|---------------------------------------------------------------------|
| Order No.  | <a href="#">1255010000</a> | Connecting sleeve (terminal), when screwed in, Width: 6 mm, Height: |
| GTIN (EAN) | 4050118075892              | 6 mm, Depth: 13.3 mm, Number of poles: 1, Copper - zinc             |
| Qty.       | 50 pc(s).                  |                                                                     |

## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

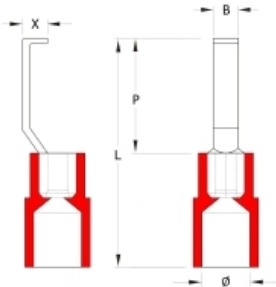
D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Hook-type cable lugs



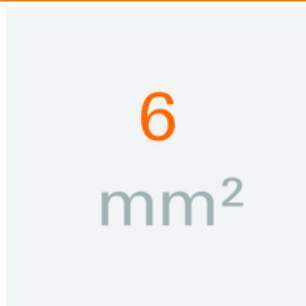
The use of insulated connectors guarantees users a permanent and consistent quality for their electrical connections.

In addition, they bring advantages during installation.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | HBT 1,5 - 4,6 RT           | Version                                                           |
| Order No.  | <a href="#">1233340000</a> | cable lug, terminal end, Insulated cable connector, 0.5 mm² - 1.5 |
| GTIN (EAN) | 4050118210972              | mm², red                                                          |
| Qty.       | 100 pc(s).                 |                                                                   |
| Type       | HBT 6,0 - 4,6 GE           | Version                                                           |
| Order No.  | <a href="#">1216230000</a> | cable lug, terminal end, Insulated cable connector, 4 mm² - 6     |
| GTIN (EAN) | 4050118000337              | mm², yellow                                                       |
| 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 mm² - 2.5 |
| GTIN (EAN) | 4050118016901              | mm², blue                                                         |
| Qty.       | 100 pc(s).                 |                                                                   |

## 6 mm²



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 6/4                    | Version                                                              |
| Order No.  | <a href="#">1054860000</a> | Cross-connector (terminal), when screwed in, yellow, 57 A, Number of |
| GTIN (EAN) | 4008190180799              | poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm       |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | WQV 6/3                    | Version                                                              |
| Order No.  | <a href="#">1054760000</a> | Cross-connector (terminal), when screwed in, yellow, 57 A, Number of |
| GTIN (EAN) | 4008190174163              | poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm       |
| Qty.       | 50 pc(s).                  |                                                                      |
| Type       | WQV 6/10                   | Version                                                              |
| Order No.  | <a href="#">1052260000</a> | Cross-connector (terminal), when screwed in, yellow, 57 A, Number of |
| GTIN (EAN) | 4008190153977              | poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm      |
| Qty.       | 20 pc(s).                  |                                                                      |

## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | WQV 6/2                    | Version                                                              |
| Order No.  | <a href="#">1052360000</a> | Cross-connector (terminal), when screwed in, yellow, 57 A, Number of |
| GTIN (EAN) | 4008190075866              | poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm       |
| Qty.       | 50 pc(s).                  |                                                                      |

## W-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | WTW EN                     | Version                                                             |
| Order No.  | <a href="#">1058800000</a> | Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm, |
| GTIN (EAN) | 4008190140175              | V-0, Wemid                                                          |
| Qty.       | 20 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 12/6.5 MC NE WS         | Version                                                 |
| Order No.  | <a href="#">1609920000</a> | WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4008190203511              | Weidmueller, Allen-Bradley, white                       |
| Qty.       | 540 pc(s).                 |                                                         |

## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

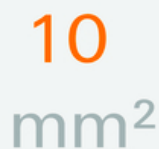
## W-Series



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, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230              |                                                                |
| Qty.       | 50 pc(s).                  |                                                                |

10 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 10/3                   | Version                                                                                                                               |
| Order No.  | <a href="#">1054960000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of poles: 3, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm  |
| GTIN (EAN) | 4008190079079              |                                                                                                                                       |
| Qty.       | 50 pc(s).                  |                                                                                                                                       |
| Type       | WQV 10/4                   | Version                                                                                                                               |
| Order No.  | <a href="#">1055060000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of poles: 4, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm  |
| GTIN (EAN) | 4008190188245              |                                                                                                                                       |
| Qty.       | 50 pc(s).                  |                                                                                                                                       |
| Type       | WQV 10/2                   | Version                                                                                                                               |
| Order No.  | <a href="#">1052560000</a> | Cross-connector (terminal), when screwed in, yellow, 76 A, Number of poles: 2, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm  |
| GTIN (EAN) | 4008190154943              |                                                                                                                                       |
| Qty.       | 50 pc(s).                  |                                                                                                                                       |
| Type       | WQV 10/10                  | Version                                                                                                                               |
| Order No.  | <a href="#">1052460000</a> | Cross-connector (terminal), when screwed in, yellow, 63 A, Number of poles: 10, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm |
| GTIN (EAN) | 4008190152130              |                                                                                                                                       |
| Qty.       | 20 pc(s).                  |                                                                                                                                       |

## WTD 6 SL O.STB

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 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).                 |                            |

## WS 12/6.5



## 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 12/6.5 MM WS            | Version                                              |
| Order No.  | <a href="#">2619930000</a> | WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118626155              |                                                      |
| Qty.       | 600 pc(s).                 |                                                      |