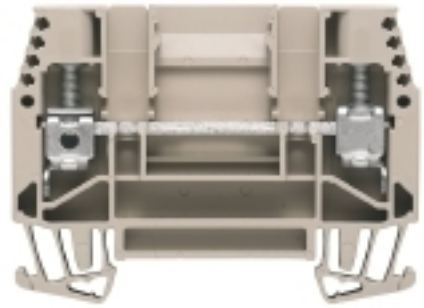
# WTD 6/1

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

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, Screw connection, 6 mm², 630 V, 41 A, without, dark beige |
| Order No. | 1017100000 |
| Type | WTD 6/1 |
| GTIN (EAN) | 4008190021948 |
| Qty. | 50 pc(s). |

# WTD 6/1

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

www.weidmueller.com

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 47.5 mm | Depth (inches) | 1.87 inch |
| Height | 65 mm | Height (inches) | 2.559 inch |
| Width | 7.9 mm | Width (inches) | 0.311 inch |
| Net weight | 16.48 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C | | |

### Material data

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

### System specifications

| | | | |
|---|---|---|---|
| Version | Screw connection, 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 | 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) | 50 A |
| Voltage size C (CSA) | 300 V | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG | | |

# WTD 6/1

**Weidmüller Interface GmbH & 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. | 10 mm² |
| Clamping range, min. | 0.5 mm² | Clamping screw | M 3.5 |
| Connection cross-section, stranded, max. | 10 mm² | Connection cross-section, stranded, min. | 1.5 mm² |
| Connection direction | on side | Gauge to IEC 60947-1 | A5 |
| Number of connections | 2 | Stripping length | 12 mm |
| Tightening torque, max. | 1.6 Nm | Tightening torque, min. | 1 Nm |
| Torque level with DMS electric screwdriver | 3 | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross section, finely stranded, max. | 10 mm² | Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 10 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Rail | TS 35 | Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 20 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 6 mm² | Rated voltage | 630 V |
| Rated DC voltage | 630 V | Rated current | 41 A |
| Current at maximum wires | 57 A | 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 | 3 | | |

### 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) | 45 A |
| Voltage size C (UR) | 300 V | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000902 | ETIM 7.0 | EC000902 |
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ECLASS 9.0 | 27-14-11-26 | ECLASS 9.1 | 27-14-11-26 |
| ECLASS 10.0 | 27-14-11-26 | ECLASS 11.0 | 27-14-11-26 |
| ECLASS 12.0 | 27-14-11-26 | ECLASS 13.0 | 27-25-01-09 |

# WTD 6/1

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

www.weidmueller.com

## Technical data

### Approvals

Approvals



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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Test Certificate<br>CB Certificate<br>CE Declaration of Conformity<br>UKCA declaration of conformity<br>Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

# WTD 6/1

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

www.weidmueller.com

## Drawings



# WTD 6/1

**Weidmüller Interface GmbH & 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 snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

### General ordering data

| | | |
|---|---|---|
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |

| | | |
|---|---|---|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |

### Test sockets



The test socket is used to connect test devices with a standard 4.0 plug. Depending on the potential within the application, different colors of the test sockets can be selected for quick and easy maintenance work.

### General ordering data

| | | |
|---|---|---|
| Type | STB 35 IH/GE | Version |
| Order No. | 0389000000 | SAK Series, Socket |
| GTIN (EAN) | 4008190396985 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | STB 35 IH/BL | Version |
| Order No. | 0388700000 | SAK Series, Socket |
| GTIN (EAN) | 4008190082383 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | STB 35 IH/GN | Version |
| Order No. | 0388900000 | SAK Series, Socket |
| GTIN (EAN) | 4008190010409 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | STB 35 IH/VI | Version |
| Order No. | 0389100000 | SAK Series, Socket |
| GTIN (EAN) | 4008190137755 | |
| Qty. | 50 pc(s). | |

# WTD 6/1

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

www.weidmueller.com

## Accessories

### 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 5/8 MC NE WS | Version |
| Order No. | 1856740000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850 | Weidmueller, white |
| Qty. | 800 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 12/8 PLUS MC NE WS | Version |
| Order No. | 1906000000 | WS, Terminal marker, 12 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, |
| GTIN (EAN) | 4032248528158 | white |
| Qty. | 420 pc(s). | |

# WTD 6/1

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

www.weidmueller.com

## Accessories

### ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.
Inlay tags and protective strips can be found under "Accessories".

### General ordering data

| | | |
|---|---|---|
| Type | ZGB 30 | Version |
| Order No. | 1611930000 | 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. | 1636530000 | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053 | Weidmueller, white |
| Qty. | 20 pc(s). | |

### Connection sleeves



### General ordering data

| | | |
|---|---|---|
| Type | VH 12/4.9/3.3 | Version |
| Order No. | 0249000000 | SAK Series, Connecting sleeve, for cross-connection link, Number of |
| GTIN (EAN) | 4008190129507 | poles: |
| Qty. | 100 pc(s). | |

| | | |
|---|---|---|
| Type | VH 19/6.3/4.3 | Version |
| Order No. | 0318000000 | SAK Series, Connecting sleeve, for cross-connection link, Number of |
| GTIN (EAN) | 4008190059460 | poles: 1 |
| Qty. | 50 pc(s). | |

# WTD 6/1

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

www.weidmueller.com

## Accessories

### Fixing screws



Fixing screws fix the short current bridge within the application. If the short current bridge is slided between two adjacent terminal blocks into the short circuit position, it can be fixed by means of a fastening screw. This ensures a permanent connection or short circuit.

#### General ordering data

| | | |
|---|---|---|
| Type | KISC M3X20 SAK10 CU5 | Version |
| Order No. | 0377100000 | SAK Series, Mounting screw, Copper |
| GTIN (EAN) | 4008190060350 | |
| Qty. | 100 pc(s). | |

### 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 WTL6/1 | Version |
| Order No. | 1068300000 | W-Series, End plate |
| GTIN (EAN) | 4008190088330 | |
| Qty. | 20 pc(s). | |
| Type | WTW WTL6/1 DB | Version |
| Order No. | 1068400000 | W-Series, Partition plate |
| GTIN (EAN) | 4008190091996 | |
| Qty. | 20 pc(s). | |

# WTD 6/1

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

www.weidmueller.com

## Accessories

### Shorting elements



The short current bridges are inserted into two instrument transformer wiring terminal blocks. By using the short-circuit bridge, the desired short-circuit could be realized within the application for maintenance work.

#### General ordering data

| | | |
|---|---|---|
| Type | QVS 3 SAKT1+2 | Version |
| Order No. | 0329300000 | SAK Series, Cross-connector, Cross-connector, Number of poles: 3 |
| GTIN (EAN) | 4008190084714 | |
| Qty. | 20 pc(s). | |
| Type | QVS 2 SAKT1+2 | Version |
| Order No. | 0307300000 | SAK Series, Cross-connector, Cross-connector, Number of poles: 2 |
| GTIN (EAN) | 4008190036140 | |
| Qty. | 20 pc(s). | |

### QL / SAK 6N



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 | QL 3 SAK6N | Version |
| Order No. | 0194400000 | SAK Series, Cross-connector, for cross-connection link, Number of |
| GTIN (EAN) | 4008190063351 | poles: 3 |
| Qty. | 50 pc(s). | |
| Type | QL 2 SAK6N | Version |
| Order No. | 0194300000 | SAK Series, Cross-connector, for cross-connection link, Number of |
| GTIN (EAN) | 4008190182854 | poles: 2 |
| Qty. | 50 pc(s). | |
| Type | QL 10 SAK6N | Version |
| Order No. | 0338300000 | SAK Series, Cross-connector, for cross-connection link, Number of |
| GTIN (EAN) | 4008190176679 | poles: 10 |
| Qty. | 20 pc(s). | |
| Type | QL 4 SAK6N | Version |
| Order No. | 0194500000 | SAK Series, Cross-connector, Cross-connector, Number of poles: 4 |
| GTIN (EAN) | 4008190025601 | |
| Qty. | 50 pc(s). | |

# WTD 6/1

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

www.weidmueller.com

## Accessories

### DEK 5/8



**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 | DEK 5/8 MM WS | Version |
| Order No. | 2007130000 | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012 | |
| Qty. | 500 pc(s). | |