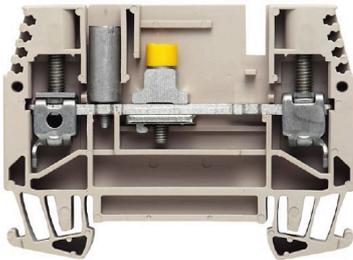


**Product image****Current and voltage transformer wiring**

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    | Measuring transformer disconnect terminal, Screw connection, 41, 2 |
| Order No.  | <a href="#">1018100000</a>   |
| Type       | WTQ 6/1/STB  |
| GTIN (EAN) | 4008190061432  |
| Qty.       | 50 items   |

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 47.5 mm | Depth (inches)  | 1.8701 inch |
| Height     | 65 mm   | Height (inches) | 2.5591 inch |
| Width      | 7.9 mm  | Width (inches)  | 0.311 inch  |
| Net weight | 22.54 g |                 |             |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 0eb7d846-d0a1-43e5-93a4-d7c6856c4cda |

## Material data

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

## System specifications

|                                     |  |                               |       |
|-------------------------------------|--|-------------------------------|-------|
| Version                             | Screw connection, Spacer, With sockets, 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     |
| PE connection                       | No   | Mounting rail                 | TS 35 |
| N-function                          | No   | PE function                   | No    |
| PEN function                        | No   |                               |       |

## Additional technical data

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Open sides               | closed | Number of similar terminals | 1       |
| Explosion-tested version | No     | Type of mounting            | Snap-on |

## CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 8 AWG  | Voltage size C (CSA)  | 300 V          |
| Current size C (CSA)          | 50 A   | Certificate No. (CSA) | 200039-1057876 |
| Wire cross section min. (CSA) | 20 AWG |                       |                |

## WTQ 6/1/STB

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

www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Gauge to IEC 60947-1  | A5                  | Wire connection cross section AWG, max.   | AWG 8               |
| Connection direction  | on side             | Tightening torque, max.   | 1.6 Nm              |
| Tightening torque, min.   | 1 Nm                | Stripping length  | 12 mm               |
| Type of connection  | Screw connection    | Number of connections   | 2                   |
| Clamping range, max.  | 10 mm <sup>2</sup>  | Clamping range, min.  | 0.5 mm <sup>2</sup> |
| Clamping screw  | M 3.5               | Blade size  | 0.8 x 4.0 mm        |
| Wire connection cross section AWG, min.   | AWG 20              | 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, 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, max.                                    | 10 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 10 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> | Torque level with DMS electric screwdriver  | 3                   |
| Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |

### General

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

### Rating data

|                                 |                   |  |         |
|---------------------------------|-------------------|--|---------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated voltage                                | 500 V   |
| Rated DC voltage                | 500 V             | Nominal 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

|   |        |   |        |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 8 AWG  | Current size C (UR)                     | 45 A   |
| Voltage size C (UR)                     | 300 V  | Conductor size Factory wiring min. (UR) | 20 AWG |
| Certificate No. (UR)                    | E60693 | Conductor size Field wiring min. (UR)   | 20 AWG |
| Conductor size Field wiring max. (UR)   | 8 AWG  |   |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 7.0    | EC000902    | ETIM 8.0    | EC000902    |
| ETIM 9.0    | EC000902    | ETIM 10.0   | EC000902    |
| ECLASS 11.0 | 27-14-11-26 | ECLASS 12.0 | 27-14-11-26 |
| ECLASS 13.0 | 27-25-01-09 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 |             |             |

**Drawings**

