

**W-Series**  
**WTQ 6/1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

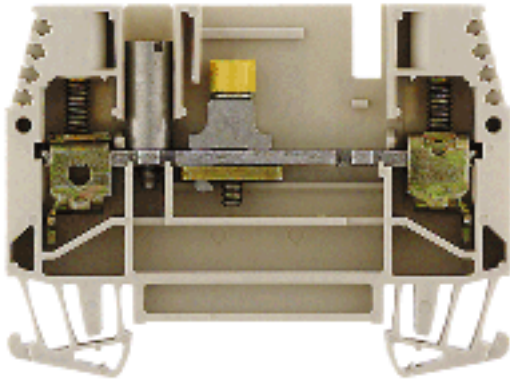
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

**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       | WTQ 6/1                                                                                          |
| Order No.  | <a href="#">1017900000</a>                                                                       |
| Version    | Test-disconnect terminal, Screw connection, 6 mm <sup>2</sup> , 500 V, 41 A, without, Dark Beige |
| GTIN (EAN) | 4008190113865                                                                                    |
| Qty.       | 50 pc(s).                                                                                        |

**W-Series**  
**WTQ 6/1**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|        |         |                 |            |
|--------|---------|-----------------|------------|
| Width  | 7.9 mm  | Width (inches)  | 0.311 inch |
| Height | 65 mm   | Height (inches) | 2.559 inch |
| Depth  | 47.5 mm | Depth (inches)  | 1.87 inch  |
| Weight | 43.92 g | Net weight      | 20.51 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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,<br>Disconnection element,<br>for plug-in cross-connector,<br>One end without<br>connector | Tightening torque (clamping screw for<br>copper conductors) | 1... 1.6 Nm |
| End cover plate required      | Yes                                                                                                         | Number of potentials                                        | 1           |
| Number of levels              | 1                                                                                                           | No. of clamping points per level                            | 2           |
| Number of potentials per tier | 1                                                                                                           | Levels cross-connected internally                           | No          |
| PE connection                 | No                                                                                                          | Mounting 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               | closed | 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         |                               |       |

**W-Series**  
**WTQ 6/1**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                                                               |                     |                                                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                                                    | 0.8 x 4.0 mm        | Clamping range, rated connection, max.                                                                                                | 10 mm <sup>2</sup>  |
| Clamping range, rated connection, min.                                                                                        | 0.5 mm <sup>2</sup> | Clamping screw                                                                                                                        | M 3.5               |
| Connection direction                                                                                                          |                     | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> |
|                                                                                                                               | on side             | Number of connections                                                                                                                 | 2                   |
| Gauge to IEC 60947-1                                                                                                          | A5                  | Tightening torque, max.                                                                                                               | 1.6 Nm              |
| Stripping length                                                                                                              | 12 mm               | Torque level with DMS electric screwdriver                                                                                            | 3                   |
| Tightening torque, min.                                                                                                       | 1 Nm                | Wire connection cross section AWG, max.                                                                                               | AWG 8               |
| Type of connection                                                                                                            | Screw connection    | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                             | 6 mm <sup>2</sup>   |
| Wire connection cross section AWG, min.                                                                                       | AWG 20              | Wire connection cross section, finely stranded, max.                                                                                  | 10 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                     | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core, min. rated connection                                                                      | 0.5 mm <sup>2</sup> |
| Wire connection cross section, solid core max. rated connection                                                               | 10 mm <sup>2</sup>  | Wire connection cross section, stranded, rated connection, min.                                                                       | 1.5 mm <sup>2</sup> |
| Wire connection cross section, stranded, rated connection, max.                                                               | 10 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 and plastic collars DIN 46228/4, rated connection, max. | 6 mm <sup>2</sup>   |                                                                                                                                       |                     |

**Disconnect terminals**

|                  |         |                      |    |
|------------------|---------|----------------------|----|
| Cross-disconnect | sliding | Integral test socket | No |
| Slitting         | without |                      |    |

**Rating data**

|                                              |                   |                                 |       |
|----------------------------------------------|-------------------|---------------------------------|-------|
| Rated cross-section                          | 6 mm <sup>2</sup> | Rated voltage                   | 500 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  |
| 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 3.0   | EC000902    | ETIM 4.0   | EC000902    |
| ETIM 5.0   | EC000902    | ETIM 6.0   | EC000902    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-26 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-26 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-26 |            |             |

**W-Series**  
**WTQ 6/1**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Product information**

|                                 |                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------|
| Descriptive text ordering data  | TS32 version on request                                                          |
| Descriptive text technical data | Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm. |

**Approvals**

Approvals



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

**Downloads**

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1004_20160418_1015_ISSUE01.pdf</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>            |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

### W-Series WTQ 6/1

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

