

**W-Series  
WTL 4/STB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

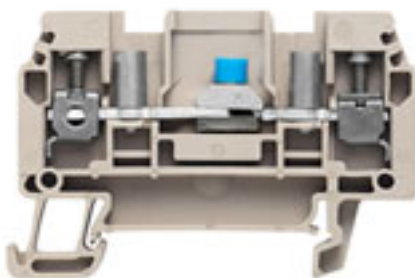
D-32758 Detmold

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www.weidmueller.com



Special instruments are required for measuring electrical energy. One wrong connection during maintenance work is enough to ruin a current transformer! Disconnect test terminals represent a reliable way of solving this problem. As a leading supplier of line connectors, Weidmüller has developed special disconnect test terminals in close cooperation with users. These modular terminals ensure optimum realisation of all important circuits for the measurement of current, voltage and energy. Different current transformer circuits, e.g. for replacing measuring instruments or electricity meters, can be implemented. Besides disconnect test terminals with screw or tension clamp connections, Weidmüller also has a comprehensive range of accessories, including test adapters, cross-connections and markers for the testing of 3-phase and AC circuits as well as voltages.

**General ordering data**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Type       | WTL 4/STB                                                                                     |
| Order No.  | <a href="#">1754970000</a>                                                                    |
| Version    | W-Series, Test-disconnect terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection |
| GTIN (EAN) | 4032248054534                                                                                 |
| Qty.       | 50 pc(s).                                                                                     |

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## Technische Daten

### Dimensions and weights

|        |         |                          |         |
|--------|---------|--------------------------|---------|
| Length | 61.3 mm | Width                    | 6.1 mm  |
| Height | 39.9 mm | Height of lowest version | 40.7 mm |
| Weight | 99 g    | Net weight               | 13.2 g  |

### Temperatures

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

### 2 clampable wires (H05V/H07V) same cross-section (rated connection)

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> |

### Additional technical data

|                          |                                                                                                                  |                             |         |
|--------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------|---------|
| Explosion-tested version | No                                                                                                               | Number of similar terminals | 1       |
| Open sides               | right                                                                                                            | Type of mounting            | Snap-on |
| Version                  | Screw connection, Disconnection element, with sockets, for screwable cross-connection, One end without connector |                             |         |

### CSA ratings data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Current size B (CSA)          | 28 A   |
| Current size D (CSA)          | 10 A           | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

### Clampable wires (additional connection)

|                                                                                             |                     |                                                                                             |                   |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|-------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 4 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|-------------------|

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### Clampable wires (rated connection)

|                                                                                                                                       |                     |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Screw connection    | Stripping length                                                                                                              | 10 mm                |
| Blade size                                                                                                                            | 0.6 x 3.5 mm        | Connection direction                                                                                                          | on side              |
| Number of connections                                                                                                                 | 2                   | Clamping range, rated connection, min.                                                                                        | 0.13 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 6 mm <sup>2</sup>   | Clamping screw                                                                                                                | M 2.5                |
| Tightening torque, min.                                                                                                               | 0.4 Nm              | Tightening torque, max.                                                                                                       | 0.7 Nm               |
| Torque level with DMS electric screwdriver                                                                                            | 1                   | Gauge to IEC 60947-1                                                                                                          | A3                   |
| Wire connection cross section, solid core, max. rated connection                                                                      | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 6 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.                                                               | 4 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, max.                                                                                  | 4 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, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 4 mm <sup>2</sup>    |
| 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> | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 4 mm <sup>2</sup>    |
| Wire connection cross section AWG, min.                                                                                               | AWG 26              | Wire connection cross section AWG, max.                                                                                       | AWG 10               |

### Disconnect terminals

|                         |         |                                            |        |
|-------------------------|---------|--------------------------------------------|--------|
| Cross-disconnect        | sliding | Integral test socket                       | Yes    |
| Slitting                | sliding | Tightening torque, max.                    | 0.7 Nm |
| Tightening torque, min. | 0.4 Nm  | Torque level with DMS electric screwdriver | 1      |

### Rated data

|                                 |                   |                    |       |
|---------------------------------|-------------------|--------------------|-------|
| Rated cross-section             | 4 mm <sup>2</sup> | Rated voltage      | 500 V |
| Rated impulse withstand voltage | 6 kV              | Rated current      | 32 A  |
| Current at maximum wires        | 41 A              | Pollution severity | 3     |

### UL ratings data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 300 V  |
| Current size C (UR)                     | 28 A   | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |

### Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

### System specifications

|                                   |          |                                  |                  |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family                    | W-Series | Type of connection               | Screw connection |
| Connection direction              | on side  | Number of levels                 | 1                |
| Number of connections             | 2        | No. of clamping points per level | 2                |
| Levels cross-connected internally | No       | Mounting rail                    | TS 35            |
| End cover plate required          | Yes      |                                  |                  |

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### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | 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 |            |             |

### Product information

Descriptive text technical data      Use as a disconnect terminal with 500 V.

### Approvals

Approvals



ROHS      Conform

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## Zeichnungen

