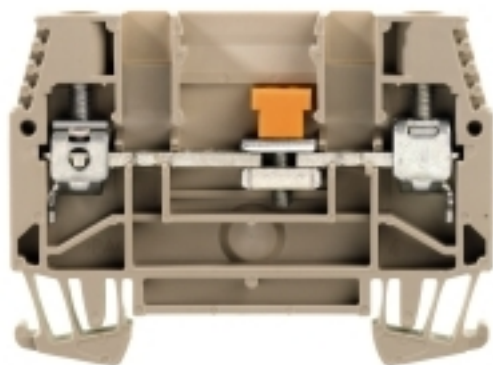


**WTL 6/1****Weidmüller Interface GmbH & Co. KG**

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    | Measuring transformer disconnect terminal, Screw connection, 41, 2 |
| Order No.  | <a href="#">1016700000</a>                                         |
| Type       | WTL 6/1                                                            |
| GTIN (EAN) | 4008190151171                                                      |
| Qty.       | 50 pièce(s)                                                        |

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## Caractéristiques techniques

## Dimensions and weights

|                          |            |                |           |
|--------------------------|------------|----------------|-----------|
| Depth                    | 47,5 mm    | Depth (inches) | 1,87 inch |
| Depth including DIN rail | 48,5 mm    | Height         | 65 mm     |
| Height (inches)          | 2,559 inch | Width          | 7,9 mm    |
| Width (inches)           | 0,311 inch | Net weight     | 19,78 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, Spacer, 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  |

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.                                         | 2,5 mm <sup>2</sup> | Cross-section for connected wire, solid, two 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. | 2,5 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, two clampable wires, min.                                  | 0,5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 2,5 mm <sup>2</sup> |

## Additional technical data

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

## CSA rating data

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Current size C (CSA)          | 45 A  |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

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## Caractéristiques techniques

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.8 x 4.0 mm        | Clamping range, max.                                                                    | 10 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0,5 mm <sup>2</sup> | Clamping screw                                                                          | M 3.5               |
| Connection cross-section, stranded, max.                                                | 10 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                                                                        | 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 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.                                         | 10 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0,5 mm <sup>2</sup> |

## Disconnect terminals

|                             |         |                             |        |
|-----------------------------|---------|-----------------------------|--------|
| Cross-disconnect            | without | Integral test socket        | No     |
| Slitting                    | sliding | Torque max. screw separator | 0,7 Nm |
| Torque min. screw separator | 0,5 Nm  |                             |        |

## 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 mm <sup>2</sup> | 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  |                                         |       |

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## Caractéristiques techniques

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 7.0    | EC000902    | ETIM 8.0    | EC000902    |
| ETIM 9.0    | 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 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



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

## Downloads

|                                             |                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><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>                                                                                                                                                                                                |
| Brochures                                   |                                                                                                                                                                                                                                         |

**Fiche de données****WTL 6/1****Weidmüller Interface GmbH & Co. KG**

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