# W-Series
# WTD 6 SL

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
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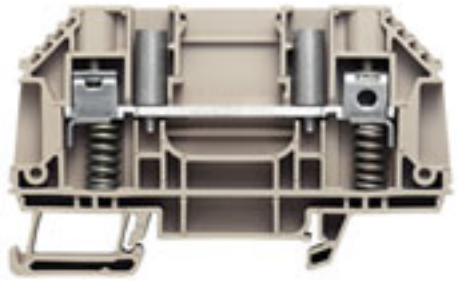
## Product image



**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

| | |
|---|---|
| Type | WTD 6 SL |
| Order No. | 9538090000 |
| Version | W-Series, Feed-through terminal, Rated cross-section: 6 mm², Screw connection |
| GTIN (EAN) | 4008190574970 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Width | 7.9 mm | Width (inches) | 0.311 inch |
| Height | 82.7 mm | Height (inches) | 3.256 inch |
| Depth | 50 mm | Depth (inches) | 1.969 inch |
| Depth including DIN rail | 50.5 mm | Net weight | 26.98 g |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature, max. | 40 °C | Storage temperature, min. | 10 °C |
| Storage temperature | 10 °C...40 °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, with spring-loaded cable clamp, With sockets, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.8...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 | 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 |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Blade size | 0.8 x 4.0 mm | Clamping range, max. | 6 mm² |
| Clamping range, min. | 0.5 mm² | Clamping screw | M 3.5 |
| Connection cross-section, stranded, max. | 6 mm² | Connection direction | on side |
| Gauge to IEC 60947-1 | A5 | Number of connections | 2 |
| Stripping length | 16 mm | Tightening torque, max. | 1.6 Nm |
| Tightening torque, min. | 0.8 Nm | Type of connection | Screw connection |
| Wire connection cross section, finely stranded, max. | 6 mm² | Wire connection cross-section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 6 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### Disconnect terminals

| | | | |
|---|---|---|---|
| Cross-disconnect | without | Integral test socket | Yes |
| Slitting | without | | |

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## Technical data

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 6 mm² | Rated voltage | 630 V |
| Rated current | 41 A | Current at maximum wires | 57 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage | 6 kV | Pollution severity | 2 |
| Surge voltage category | III | | |

### 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 | 27-14-11-31 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-26 | | |

### Approvals

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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DE_PT1054_20160418_967_ISSUE01.pdf |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |

### Safety note

| | |
|---|---|
| Safety notice | Safety Information |

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## Drawings

