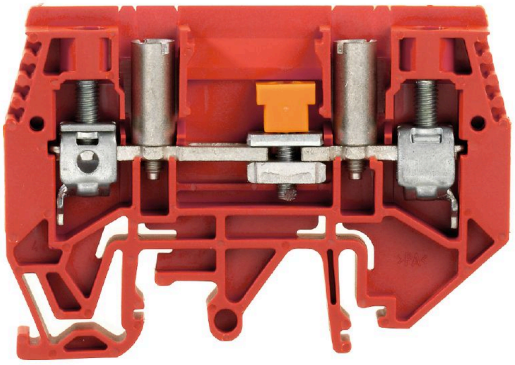
Data sheet

# WTL 6/1 EN STB RT

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

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, 500, 41, 2 |
| Order No. | 1019710000 |
| Type | WTL 6/1 EN STB RT |
| GTIN (EAN) | 4032248743827 |
| Qty. | 50 items |

# WTL 6/1 EN STB RT

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

www.weidmueller.com

## 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 |
| Depth including DIN rail | 48.5 mm | Height | 68.5 mm |
| Height (inches) | 2.6968 inch | Width | 7.9 mm |
| Width (inches) | 0.311 inch | Net weight | 25.44 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 | red |
| UL 94 flammability rating | V-0 | | |

### System specifications

| | | | |
|---|---|---|---|
| Version | Screw connection, Spacer, With sockets, 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 |
| Mounting rail | TS 32, TS 35 | N-function | No |
| PE function | No | PEN function | No |

### Additional technical data

| | | | |
|---|---|---|---|
| Open sides | right | 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) | 45 A | Certificate No. (CSA) | 200039-1057876 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 45 A |
| Wire cross section min. (CSA) | 20 AWG | | |

# WTL 6/1 EN STB RT

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

www.weidmueller.com

## Technical data

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | Screw connection |

### 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 mm² | Clamping range, min. | 0.5 mm² |
| 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 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² | Wire connection cross section, finely stranded, max. | 10 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² | Connection cross-section, stranded, max. | 6 mm² |
| Connection cross-section, stranded, min. | 0.5 mm² | Torque level with DMS electric screwdriver | 3 |
| Wire connection cross-section, solid core, max. | 10 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### Dimensions

| | | | |
|---|---|---|---|
| TS 32 offset | 34.5 mm | TS 35 offset | 34.5 mm |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 20 |
| Mounting rail | TS 32, TS 35 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 6 mm² | Rated voltage | 500 V |
| Rated DC voltage | 630 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

| | | | |
|---|---|---|---|
| Voltage size B (UR) | 300 V | Current size B (UR) | 45 A |
| 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 | | |

# WTL 6/1 EN STB RT

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

www.weidmueller.com

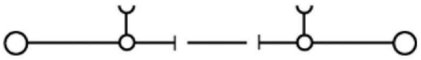
## Technical data

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

# WTL 6/1 EN STB RT

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

www.weidmueller.com

## Drawings