

**ZTL 6/STB****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    | Test-disconnect terminal, Tension-clamp connection, 6 mm <sup>2</sup> , 400 V, 41 A, sliding, dark beige |
| Order No.  | <a href="#">1771950000</a>   |
| Type       | ZTL 6/STB  |
| GTIN (EAN) | 4032248127290  |
| Qty.       | 20 pc(s).  |

Creation date July 17, 2023 9:59:31 AM CEST

Catalogue status 07.07.2023 / We reserve the right to make technical changes.

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 46.5 mm    | Depth (inches) | 1.831 inch |
| Depth including DIN rail | 48 mm      | Height         | 106 mm     |
| Height (inches)          | 4.173 inch | Width          | 8 mm       |
| Width (inches)           | 0.315 inch | Net weight     | 34.864 g   |

**Temperatures**

|                                  |                |                                  |     |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120            |                                  |     |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                     |  |                               |     |
|-------------------------------------|--|-------------------------------|-----|
| Version                             | Tension-clamp connection, Spacer, With sockets, for plug-in cross-connector, 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, TS 32   | N-function                    | No  |
| PE function                         | No   | PEN function                  | No  |

**Additional technical data**

|                          |       |                     |                 |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | No    | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Snap-on         |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1152892 | Current size B (CSA)          | 33 A  |
| Current size C (CSA)          | 33 A           | Voltage size B (CSA)          | 300 V |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

**Conductors for clamping (additional connection)**

|   |                   |
|---|-------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 6 mm <sup>2</sup> |
|---|-------------------|

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## Technical data

## 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> | Connection cross-section, stranded, max.  | 6 mm <sup>2</sup>        |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> | Connection direction  | top                      |
| Gauge to IEC 60947-1  | A5                  | Number of connections   | 2                        |
| Stripping length  | 13 mm               | Tightening torque, max.   | 0.6 Nm                   |
| Tightening torque, min.   | 0.5 Nm              | Type of connection  | Tension-clamp connection |
| Wire connection cross section, finely stranded, max.                                    | 6 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>      |

## Dimensions

|              |         |
|--------------|---------|
| TS 32 offset | 54.5 mm |
|--------------|---------|

## General

|                     |                 |      |              |
|---------------------|-----------------|------|--------------|
| Installation advice | Direct mounting | Rail | TS 35, TS 32 |
| Standards           | IEC 60947-7-1   |      |              |

## Rating data

|                                 |                   |  |         |
|---------------------------------|-------------------|--|---------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated current                   | 41 A              | Current at maximum wires                     | 52 A    |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage | 8 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)                     | 33 A  |
| Voltage size C (UR)                     | 300 V  |   |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0    | EC000902    |
| ETIM 8.0    | EC000902    | ECLASS 9.0  | 27-14-11-26 |
| ECLASS 9.1  | 27-14-11-26 | ECLASS 10.0 | 27-14-11-26 |
| ECLASS 11.0 | 27-14-11-26 | ECLASS 12.0 | 27-14-11-26 |

## Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | a4720f28-c1be-43c4-a115-55415c294bda |

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**Technical data**

**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="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration od conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>  |
| User Documentation                          | <a href="#">Beipackzettel_ZTL6.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

**Data sheet**

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**Drawings**

