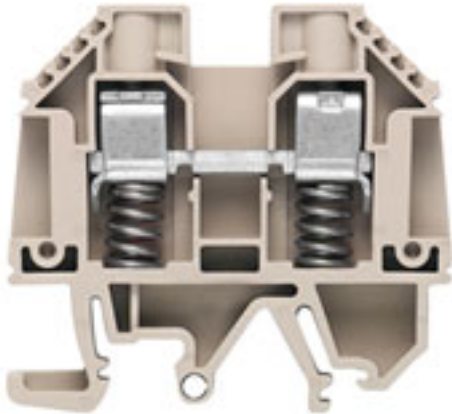


**W-terminal with external tensioning
WDU 10 SL/EN**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



At Weidmüller, new solutions for the energy sector are developed according to local or application-based installation requirements. In some countries, control and protection of switching installations for transmission and distribution networks must comply with the EA-TS 50-18 standard. The standard prescribes "spring-loaded" terminals in conjunction with hook-blade cable lugs in order to ensure additional safety. The Weidmüller "spring-loaded" terminals of the WDU SL series and the disconnect terminals of the WTL SL series comply with this standard. In the SL versions, the clamping yoke is backed up by a helical spring. Furthermore, this arrangement permits two conductors to be connected to one terminal when the hook-blade cable lugs are placed back to back. The aim of this arrangement is to ensure good electrical contact even if someone forgets to tighten the clamping screw!

General ordering data

| | |
|------------|---|
| Type | WDU 10 SL/EN |
| Order No. | 9537490000 |
| Version | W-terminal with external tensioning, Feed-through terminal, Rated cross-section: 10 mm ² , Screw connection, Direct mounting |
| GTIN (EAN) | 4008190029890 |
| Qty. | 50 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|---------|--------------------------|---------|
| Length | 56.6 mm | Width | 9.9 mm |
| Height | 51.1 mm | Height of lowest version | 53.5 mm |
| Weight | 22.18 g | Net weight | 23.86 g |

Temperatures

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

Rated data IECEx/ATEX

| | | | |
|---------------------------|--------------------------|--------------------------------|---|
| Certificate No. (ATEX) | SIRA02ATEX3242U | ATEX certificate | |
| ATEX certificate | SIRA02ATEX3242U_e.pdf | Certificate No. (IECEX) | IECEXSIR05.0040U |
| IEC Ex certificate | IECEXSIR05.0040U_e.pdf | Max. voltage (ATEX) | 275 V |
| Current (ATEX) | 50 A | Wire cross section max. (ATEX) | 10 mm ² |
| Voltage, cross-connection | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| | CrossConnectionGuide.pdf | | |
| Marking EN 60079-7 | Ex e II | Marking ATEX Directive 94/9/EC | II 2 G D |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|---|
| Explosion-tested version | No | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | | Version | Screw connection, with spring-loaded cable clamp, for screwable cross-connection, One end without connector |
| | Snap-on | | |

CSA ratings data

| | | | |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-1057876 | Voltage size C (CSA) | 300 V |
| Voltage size D (CSA) | 600 V | Current size C (CSA) | 65 A |
| Current size D (CSA) | 5 A | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 16 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|--------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 1.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 10 mm ² |
|---|---------------------|---|--------------------|

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Clampable wires (rated connection)

| | | | |
|---|---------------------|---|----------------------|
| Type of connection | Screw connection | Stripping length | 17 mm |
| Blade size | 1.0 x 5.5 mm | Connection direction | on side |
| Number of connections | 2 | Clamping range, rated connection, min. | 1.31 mm ² |
| Clamping range, rated connection, max. | 16 mm ² | Clamping screw | M 4 |
| Tightening torque, min. | 1.2 Nm | Tightening torque, max. | 2.4 Nm |
| Torque level with DMS electric screwdriver | 4 | Gauge to IEC 60947-1 | A6 |
| Wire connection cross section, solid core, max. rated connection | 1.5 mm ² | Wire connection cross section, solid core max. rated connection | 16 mm ² |
| Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² | Wire connection cross section, stranded, rated connection, max. | 16 mm ² |
| Wire connection cross section, finely stranded, max. | 6 mm ² | Wire connection cross-section, finely stranded, min. | 1 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 1.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 10 mm ² |
| Wire connection cross section AWG, min. | AWG 16 | Wire connection cross section AWG, max. | AWG 6 |

Rated data

| | | | |
|---------------------------------|--------------------|---------------|---------------|
| Rated cross-section | 10 mm ² | Rated voltage | 500 V |
| Rated impulse withstand voltage | 6 kV | Rated current | 57 A |
| Current at maximum wires | 76 A | Standards | IEC 60947-7-1 |
| Pollution severity | 3 | | |

UL ratings data

| | | | |
|---|--------|---|-------|
| Certificate No. (UR) | E60693 | Voltage size C (UR) | 600 V |
| Current size C (UR) | 50 A | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 16 AWG | Conductor size Field wiring max. (UR) | 8 AWG |

Material data

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

System specifications

| | | | |
|-----------------------------------|-------------------------------------|----------------------------------|------------------|
| Product family | W-terminal with external tensioning | 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 32, TS 35 |
| End cover plate required | Yes | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | UNSPSC | 30-21-18-11 |
| eClass 5.1 | 27-14-11-31 | eClass 6.2 | 27-14-11-90 |
| eClass 7.1 | 27-14-11-90 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text ordering data | With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear). |
| Descriptive text technical data | ESI rated data: 500 V/36 A / 16 mm ² stranded connection must be tightened with 2 Nm. |

Erstellungs-Datum January 31, 2014 2:10:37 PM CET

Datenblatt

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Technische Daten

Approvals

Approvals



ROHS

Conform

Datenblatt

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Zeichnungen

