

**W-Series  
WTR 2.5/SI LD 36V**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
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Fon: +49 5231 14-0  
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**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Type       | WTR 2.5/SI LD 36V                                                       |
| Order No.  | <a href="#">1763950000</a>                                              |
| Version    | W-Series, Fuse terminal, Rated cross-section: 2.5 mm², Screw connection |
| GTIN (EAN) | 4032248107742                                                           |
| Qty.       | 25 pc(s).                                                               |

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

|        |        |                 |            |
|--------|--------|-----------------|------------|
| Width  | 5.1 mm | Width (inches)  | 0.201 inch |
| Height | 60 mm  | Height (inches) | 2.362 inch |
| Depth  | 97 mm  | Depth (inches)  | 3.819 inch |
| Weight | 999 g  | Net weight      | 15.12 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, Fuse isolator, with LED, 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                                                                                             | N-function                    | No  |
| PE function                         | No                                                                                                | PEN function                  | No  |

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

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| 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.                                             | 1.5 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 with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 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)         | 154685-1152890 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (additional connection)**

|                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|---------------------|

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**Technical data****Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Clamping screw                                                                          | M 2.5               |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.8 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                              | 1                    | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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. | 2.5 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, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**Fuse terminals**

|                                |              |                         |         |
|--------------------------------|--------------|-------------------------|---------|
| Cartridge fuse                 | G-Si. 5 x 20 | Display                 | Red LED |
| Fuse holder (cartridge holder) | pluggable    | Operating voltage, max. | 36 V    |

**Rating data**

|                                              |                     |                                             |               |
|----------------------------------------------|---------------------|---------------------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                               | 36 V          |
| Rated voltage at adjoining terminal          | 400 V               | Rated current                               | 6.3 A         |
| Current at maximum wires                     | 6.3 A               | Standards                                   | IEC 60947-7-3 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Power loss in accordance with IEC 60947-7-x | 0.77 W        |
| Rated impulse withstand voltage              | 6 kV                | Pollution severity                          | 3             |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG |                                         |        |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0   | EC000899    |
| eClass 9.0  | 27-14-11-16 | eClass 9.1 | 27-14-11-16 |
| eClass 10.0 | 27-14-11-16 | UNSPSC     | 30-21-18-11 |

**Approvals**

Approvals



ROHS

Conform

Creation date July 8, 2020 8:10:00 AM CEST

Catalogue status 08.07.2020 / We reserve the right to make technical changes.

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">CB Test certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DE_PT1003_20160418_1028_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                                                                                                     |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                    |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction sheet</a>                                                                                                                                                                    |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|