

**WTR 4/SI LD 250V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Version             | W-Series, Fuse terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection |
| Order No.           | <a href="#">7914400000</a>                                                         |
| Type                | WTR 4/SI LD 250V                                                                   |
| GTIN (EAN)          | 4032248144839                                                                      |
| Qty.                | 25 pc(s).                                                                          |
| Delivery status     | <b>Discontinued</b>                                                                |
| Available until     | 2022-05-19                                                                         |
| Alternative product | <a href="#">2561960000</a>                                                         |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 97 mm   | Depth (inches)  | 3.819 inch |
| Height     | 60 mm   | Height (inches) | 2.362 inch |
| Width      | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Net weight | 18.08 g |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °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   |        |            |

## Rating data IECEx/ATEX

|                        |                  |                                 |                   |
|------------------------|------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1389U | Certificate No. (IECEX)         | IECEXUL14.0097U   |
| Current (ATEX)         | 6.3 A            | Wire cross section max. (ATEX)  | 6 mm <sup>2</sup> |
| Current (IECEX)        | 6.3 A            | Wire cross section max. (IECEX) | 6 mm <sup>2</sup> |
| Marking EN 60079-7     | Ex ec II C Gc    | Ex 2014/34/EU label             | II 3 G D          |

## 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 with wire-end ferrules DIN 46228/1, 2 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, 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> |

## 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)         | 200039-1057876 | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 22 AWG         |                               |        |

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## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.

4 mm<sup>2</sup>

## Conductors for clamping (rated connection)

|                                          |                                        |                              |                       |        |  |
|------------------------------------------|----------------------------------------|------------------------------|-----------------------|--------|--|
| Blade size                               | 0.6 x 3.5 mm                           |                              |                       |        |  |
| Clampable conductor                      | Connection specification               |                              | Screw connection      |        |  |
|                                          | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |        |  |
|                                          |                                        | min.                         | 0.5 mm <sup>2</sup>   |        |  |
|                                          |                                        | max.                         | 6 mm <sup>2</sup>     |        |  |
|                                          |                                        | nominal                      | 4 mm <sup>2</sup>     |        |  |
|                                          | wire end ferrule                       | Stripping length             | min.                  | 13 mm  |  |
|                                          |                                        |                              | max.                  | 13 mm  |  |
|                                          |                                        |                              | nominal               | 13 mm  |  |
|                                          |                                        | Tightening torque            | min.                  | 0.5 Nm |  |
|                                          |                                        |                              | max.                  | 0.6 Nm |  |
|                                          |                                        | Recommended wire-end ferrule |                       |        |  |
|                                          | Connection specification               |                              | Screw connection      |        |  |
|                                          | Cross-section for conductor connection | Type                         | stranded, H07V-R      |        |  |
|                                          |                                        | min.                         | 1.5 mm <sup>2</sup>   |        |  |
|                                          |                                        | max.                         | 6 mm <sup>2</sup>     |        |  |
|                                          |                                        | nominal                      | 4 mm <sup>2</sup>     |        |  |
|                                          | wire end ferrule                       | Stripping length             | min.                  | 13 mm  |  |
|                                          |                                        |                              | max.                  | 13 mm  |  |
|                                          |                                        |                              | nominal               | 13 mm  |  |
|                                          |                                        | Tightening torque            | min.                  | 0.5 Nm |  |
|                                          |                                        |                              | max.                  | 0.6 Nm |  |
|                                          |                                        | Recommended wire-end ferrule |                       |        |  |
|                                          | Connection specification               |                              | Screw connection      |        |  |
|                                          | Cross-section for conductor connection | Type                         | flexible, H05(07) V-K |        |  |
|                                          |                                        | min.                         | 0.5 mm <sup>2</sup>   |        |  |
|                                          |                                        | max.                         | 4 mm <sup>2</sup>     |        |  |
|                                          |                                        | nominal                      | 4 mm <sup>2</sup>     |        |  |
| wire end ferrule                         | Stripping length                       | min.                         | 13 mm                 |        |  |
|                                          |                                        | max.                         | 13 mm                 |        |  |
|                                          |                                        | nominal                      | 13 mm                 |        |  |
|                                          | Tightening torque                      | min.                         | 0.5 Nm                |        |  |
|                                          |                                        | max.                         | 0.6 Nm                |        |  |
|                                          | Recommended wire-end ferrule           |                              |                       |        |  |
| Clamping range, max.                     | 6 mm <sup>2</sup>                      |                              |                       |        |  |
| Clamping range, min.                     | 0.22 mm <sup>2</sup>                   |                              |                       |        |  |
| Clamping screw                           | M 3                                    |                              |                       |        |  |
| Connection cross-section, stranded, max. | 6 mm <sup>2</sup>                      |                              |                       |        |  |
| Connection cross-section, stranded, min. | 1.5 mm <sup>2</sup>                    |                              |                       |        |  |
| Connection direction                     | on side                                |                              |                       |        |  |
| Gauge to IEC 60947-1                     | A4                                     |                              |                       |        |  |
| Number of connections                    | 2                                      |                              |                       |        |  |
| Stripping length                         | 13 mm                                  |                              |                       |        |  |
| Tightening torque, max.                  | 0.6 Nm                                 |                              |                       |        |  |
| Tightening torque, min.                  | 0.5 Nm                                 |                              |                       |        |  |

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|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Torque level with DMS electric screwdriver                                              | 2                   |
| Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 10              |
| 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, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 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. | 4 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.                                         | 6 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

## Display element

|                                     |       |                                     |       |
|-------------------------------------|-------|-------------------------------------|-------|
| Operating voltage for display, max. | 250 V | Operating voltage for display, min. | 140 V |
| Type of voltage for indicator       | AC/DC |                                     |       |

## Fuse terminals

|                                |              |                         |         |
|--------------------------------|--------------|-------------------------|---------|
| Cartridge fuse                 | G-Si. 5 x 20 | Display                 | Red LED |
| Fuse holder (cartridge holder) | pluggable    | Operating voltage, max. | 250 V   |
| Type of voltage for indicator  | AC/DC        |                         |         |

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-3 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26        |

## Rating data

|                                              |                   |                                 |               |
|----------------------------------------------|-------------------|---------------------------------|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 250 V         |
| Rated voltage to 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 mΩ              | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 1.02 W            | Pollution severity              | 3             |

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## UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size D (UR)                     | 6.3 A  |
| Voltage size D (UR)                     | 300 V  |                                         |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ECLASS 9.0  | 27-14-11-16 |
| ECLASS 9.1  | 27-14-11-16 | ECLASS 10.0 | 27-14-11-16 |
| ECLASS 11.0 | 27-14-11-16 | ECLASS 12.0 | 27-14-11-16 |

## Important note

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Product information | The voltage depends on the selected fuse element or the selected indicator light |
|---------------------|----------------------------------------------------------------------------------|

## Approvals

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UR)  | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><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="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                                                                  |
| User Documentation                          | <a href="#">Beipackzettel_SIHA3.pdf</a><br><a href="#">NTI_Ex nA WTR4_SI.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction sheet</a>                                                                                                                                                                                                                                                           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                           |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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# Drawings

