

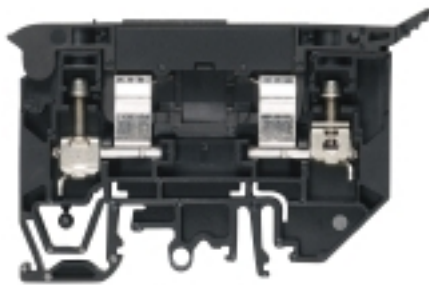
**WSI 4/2/LD 10-36V AC/DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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="#">1880410000</a>                                                         |
| Type       | WSI 4/2/LD 10-36V AC/DC                                                            |
| GTIN (EAN) | 4032248541935                                                                      |
| Qty.       | 25 pc(s).                                                                          |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 53.5 mm | Depth (inches)  | 2.106 inch |
| Height     | 81.6 mm | Height (inches) | 3.213 inch |
| Width      | 9.1 mm  | Width (inches)  | 0.358 inch |
| Net weight | 22.8 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 | black |
| UL 94 flammability rating | V-0   |        |       |

## System specifications

|                                     |                                                                      |                               |     |
|-------------------------------------|----------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, Fuse isolator, with LED, 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  |

## 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

|                             |         |            |       |
|-----------------------------|---------|------------|-------|
| Number of similar terminals | 1       | Open sides | right |
| Type of mounting            | Snap-on |            |       |

## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1575489 | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

## Conductors for clamping (rated connection)

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

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|                                                      |                                        |                              |                       |        |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|--------|
| 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.                  | 11 mm  |
|                                                      |                                        |                              | max.                  | 11 mm  |
|                                                      |                                        |                              | nominal               | 11 mm  |
|                                                      |                                        | Tightening torque            | min.                  | 0.5 Nm |
|                                                      |                                        |                              | max.                  | 0.8 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.                  | 11 mm  |
|                                                      |                                        |                              | max.                  | 11 mm  |
|                                                      |                                        |                              | nominal               | 11 mm  |
|                                                      |                                        | Tightening torque            | min.                  | 0.5 Nm |
|                                                      |                                        |                              | max.                  | 0.8 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.                         | 6 mm <sup>2</sup>     |        |
|                                                      |                                        | nominal                      | 4 mm <sup>2</sup>     |        |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 11 mm  |
|                                                      |                                        |                              | max.                  | 11 mm  |
|                                                      |                                        |                              | nominal               | 11 mm  |
|                                                      |                                        | Tightening torque            | min.                  | 0.5 Nm |
|                                                      |                                        |                              | max.                  | 0.8 Nm |
|                                                      |                                        | Recommended wire-end ferrule |                       |        |
| Clamping range, max.                                 | 6 mm <sup>2</sup>                      |                              |                       |        |
| Clamping range, min.                                 | 0.5 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                                 | A3                                     |                              |                       |        |
| Number of connections                                | 2                                      |                              |                       |        |
| Stripping length                                     | 10 mm                                  |                              |                       |        |
| Tightening torque, max.                              | 0.8 Nm                                 |                              |                       |        |
| Tightening torque, min.                              | 0.5 Nm                                 |                              |                       |        |
| 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 22                                 |                              |                       |        |
| 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>                    |                              |                       |        |

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## Technical data

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, solid core, max. 6 mm<sup>2</sup>

Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## Dimensions

TS 35 offset 25 mm

## Display element

Operating voltage for display, max. 65 V Operating voltage for display, min. 10 V

Type of voltage for indicator AC/DC

## Fuse terminals

Cartridge fuse 6.3 x 32 mm (1/4 x 1 1/4")

Fuse holder (cartridge holder) Pivoting

Power loss for overload and short-circuit protection for a composite arrangement 1.6 W at 1.0 A @ 41°C

Power loss for short-circuit protection only for an individual arrangement 4.0 W at 10 A @ 55°C

Display Red LED

Operating voltage, max. 36 V

Power loss for short-circuit protection only for a composite arrangement 2.5 W at 2.5 A @ 68°C

Type of voltage for indicator AC/DC

## General

Rail TS 35, TS 32

Wire connection cross section AWG, max. AWG 10

Standards IEC 60947-7-3

Wire connection cross section AWG, min. AWG 22

## Rating data

Rated cross-section 4 mm<sup>2</sup>

Rated voltage to adjoining terminal 500 V

Current at maximum wires 6.3 A

Volume resistance according to IEC 60947-7-x 1 mΩ

Power loss in accordance with IEC 60947-7-x 1.02 W

Rated voltage 36 V

Rated current 6.3 A

Standards IEC 60947-7-3

Rated impulse withstand voltage 6 V

## UL rating data

Certificate No. (cURus) E60693

Conductor size Factory wiring min. (cURus) 30 AWG

Conductor size Field wiring min. (cURus) 30 AWG

Conductor size Factory wiring max. (cURus) 10 AWG

Conductor size Field wiring max. (cURus) 10 AWG

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## Technical data

## 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 |

## Approvals

Approvals



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

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">Lloyds Register 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="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                          |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                          |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                   |

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# Drawings



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