# WSI 4/LD 140-250V 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 | Fuse terminal, Screw connection, black, 4 mm², 6.3 A, 250 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid, G-Si. 5 x 20 |
| Order No. | 1886550000 |
| Type | WSI 4/LD 140-250V AC/DC |
| GTIN (EAN) | 4032248492039 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 42.5 mm | Depth (inches) | 1.673 inch |
| Height | 50.7 mm | Height (inches) | 1.996 inch |
| Width | 8 mm | Width (inches) | 0.315 inch |
| Net weight | 11.54 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, in closed state | End cover plate required | No |
| 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)

| | | | |
|---|---|---|---|
| Cross-section for connected wire, solid, two clampable wires, max. | 1.5 mm² | Cross-section for connected wire, solid, two clampable wires, min. | 0.5 mm² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 mm² |

### Additional technical data

| | | | |
|---|---|---|---|
| Number of similar terminals | 1 | Type of mounting | Snap-on |

### CSA rating data

| | | | |
|---|---|---|---|
| Certificate No. (CSA) | 200039-1575489 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG | | |

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | Screw connection |

### Conductors for clamping (rated connection)

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

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## Technical data

| | | | | |
|---|---|---|---|---|
| Clampable conductor | Connection specification | Screw connection | | |
| | Cross-section for conductor connection | Type | solid, H05(07) V-U | |
| | | min. | 0.5 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 4 mm² | |
| | wire end ferrule | Stripping length | min. | 8 mm |
| | | | max. | 8 mm |
| | | | nominal | 8 mm |
| | | Tightening torque | min. | 0.4 Nm |
| | | | max. | 0.4 Nm |
| | | Recommended wire-end ferrule | | |
| | Connection specification | Screw connection | | |
| | Cross-section for conductor connection | Type | stranded, H07V-R | |
| | | min. | 1.5 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 4 mm² | |
| | wire end ferrule | Stripping length | min. | 8 mm |
| | | | max. | 8 mm |
| | | | nominal | 8 mm |
| | | Tightening torque | min. | 0.4 Nm |
| | | | max. | 0.4 Nm |
| | | Recommended wire-end ferrule | | |
| | Connection specification | Screw connection | | |
| | Cross-section for conductor connection | Type | flexible, H05(07) V-K | |
| | | min. | 0.5 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 4 mm² | |
| | wire end ferrule | Stripping length | min. | 8 mm |
| | | | max. | 8 mm |
| | | | nominal | 8 mm |
| | | Tightening torque | min. | 0.4 Nm |
| | | | max. | 0.4 Nm |
| | | Recommended wire-end ferrule | | |

| | |
|---|---|
| Clamping range, max. | 4 mm² |
| Clamping range, min. | 0.5 mm² |
| Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm² |
| Connection cross-section, stranded, min. | 1.5 mm² |
| Connection direction | on side |
| Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 |
| Stripping length | 8 mm |
| Tightening torque, max. | 0.4 Nm |
| Tightening torque, min. | 0.4 Nm |
| Torque level with DMS electric screw-driver | 2 |
| Type of connection | Screw connection |
| Type of connection 2 | Screw connection |
| Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 22 |
| Wire connection cross section, finely stranded, max. | 4 mm² |

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## Technical data

| | |
|---|---|
| Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 4 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² |

### Dimensions

| | |
|---|---|
| TS 35 offset | 25 mm |

### Display element

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

### Fuse terminals

| | | | |
|---|---|---|---|
| Cartridge fuse | G-Si. 5 x 20 | Display | LED |
| Fuse holder (cartridge holder) | for screw fixing | Operating voltage, max. | 250 V |
| Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C | Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 34°C |
| Power loss for short-circuit protection only for a composite arrangement | 2.5 W at 6.3 A @ 47°C | Power loss for short-circuit protection only for an individual arrangement | 4.0 W at 6.3 A @ 63°C |
| Type of voltage for indicator | AC/DC | | |

### General

| | | | |
|---|---|---|---|
| Rail | TS 35 | Standards | IEC 60947-7-3 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 22 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 4 mm² | Rated voltage | 250 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 250 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 |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | | |

### UL rating data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 30 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 30 AWG | | |

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## Technical data

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000899 | ETIM 7.0 | EC000899 |
| ETIM 8.0 | EC000899 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-25-01-13 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cI |

### 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. (cURus) | E60693 |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Testreport<br>CB Certificate<br>CB Test certificate<br>Lloyds Register Certificate<br>CE Declaration of Conformity<br>UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

## WSI 4/LD 140-250V AC/DC

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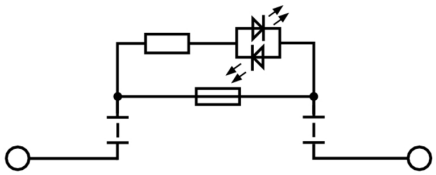
## Drawings



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## Accessories

### Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

### General ordering data

| | | |
|---|---|---|
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |

### Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

| | | |
|---|---|---|
| Type | DEK 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

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## Accessories

### Z-Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

### General ordering data

| | | |
|---|---|---|
| Type | ZST 1 | Version |
| Order No. | 1269070000 | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091 | |
| Qty. | 25 pc(s). | |

### Combined screwing and cutting tool "Swifty®"

Combined cutting/screwing tool: Swifty® and Swifty® set for clean cutting of copper cables up to 1.5 mm² (solid) and 2.5 mm² (flexible)

### General ordering data

| | | |
|---|---|---|
| Type | SWIFTY SET | Version |
| Order No. | 9006060000 | Cutting and screwing-tool, Cutting tool for one-hand operation |
| GTIN (EAN) | 4032248257638 | |
| Qty. | 1 pc(s). | |

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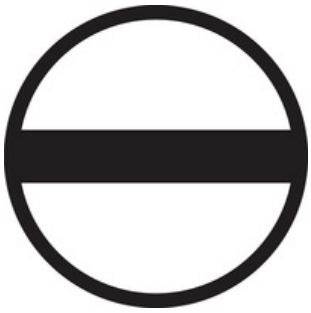
## Accessories

### Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

#### General ordering data

| | | |
|---|---|---|
| Type | SDS 0.6X3.5X100 | Version |
| Order No. | 9008330000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286 | |
| Qty. | 1 pc(s). | |

### 5x20

For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

#### General ordering data

| | | |
|---|---|---|
| Type | G 20/0.25A/F | Version |
| Order No. | 0430500000 | Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190153991 | |
| Qty. | 10 pc(s). | |
| Type | G 20/0.50A/F | Version |
| Order No. | 0430600000 | Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190046835 | |
| Qty. | 10 pc(s). | |
| Type | G 20/1.00A/F | Version |
| Order No. | 0430700000 | Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190093877 | |
| Qty. | 10 pc(s). | |
| Type | G 20/2.00A/F | Version |
| Order No. | 0430900000 | Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190123567 | |
| Qty. | 10 pc(s). | |