

WSI 4/LD 60-150V AC/DC

Weidmüller Interface GmbH & Co. KG

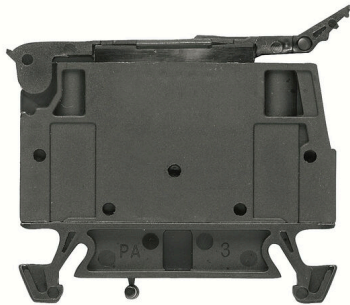
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

| | |
|------------|--|
| Version | Fuse terminal, Screw connection, black, 4 mm ² , 6.3 A, 150 V, Number of connections: 2, Number of levels: 1, TS 35 |
| Order No. | 1886570000 |
| Type | WSI 4/LD 60-150V AC/DC |
| GTIN (EAN) | 4032248492053 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 42.5 mm | Depth (inches) | 1.6732 inch |
| Height | 50.7 mm | Height (inches) | 1.9961 inch |
| Width | 8 mm | Width (inches) | 0.315 inch |
| Net weight | 10.9 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cl |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|-------|
| Basic 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

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

CSA rating data

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

Conductors for clamping (additional connection)

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

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Conductors for clamping (rated connection)

| | |
|---|---------------------|
| Gauge to IEC 60947-1 | A3 |
| Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side |
| Tightening torque, max. | 0.4 Nm |
| Tightening torque, min. | 0.4 Nm |
| Stripping length | 8 mm |
| Type of connection 2 | Screw connection |
| Type of connection | Screw connection |
| Number of connections | 2 |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.5 mm ² |
| Clamping screw | M 2.5 |
| Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 22 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Torque level with DMS electric screwdriver | 2 |
| Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² |
| Connection cross-section, finely stranded, min. | 0.5 mm ² |

| Clampable conductor | Connection specification | | Screw connection | |
|---------------------|--|---------------------|--------------------|--|
| | Cross-section for conductor connection | Type | solid, H05(07) V-U | |
| min. | | 0.5 mm ² | | |
| max. | | 4 mm ² | | |
| nominal | | 4 mm ² | | |
| wire end ferrule | Stripping length | min. | 8 mm | |
| | | max. | 8 mm | |
| | | nominal | 8 mm | |
| | Tightening torque | min. | 0.4 Nm | |
| max. | | 0.4 Nm | | |
| Clampable conductor | Connection specification | | Screw connection | |
| | Cross-section for conductor connection | Type | stranded, H07V-R | |
| min. | | 1.5 mm ² | | |
| max. | | 4 mm ² | | |
| nominal | | 4 mm ² | | |
| wire end ferrule | Stripping length | min. | 8 mm | |
| | | max. | 8 mm | |
| | | nominal | 8 mm | |

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| | | | |
|--|-------------------|-----------------------|-------------|
| | | Tightening torque | min. 0.4 Nm |
| | | | max. 0.4 Nm |
| Connection specification | Screw connection | | |
| Cross-section for conductor connection | Type | flexible, H05(07) V-K | |
| | min. | 0.5 mm ² | |
| | max. | 4 mm ² | |
| | nominal | 4 mm ² | |
| wire end ferrule | Stripping length | min. | 8 mm |
| | | max. | 8 mm |
| | | nominal | 8 mm |
| | Tightening torque | min. | 0.4 Nm |
| | | max. | 0.4 Nm |

Dimensions

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

Fuse terminals

| | | | |
|--|-----------------------|--|-----------------------|
| Cartridge fuse | G-Si. 5 x 20 | Fuse holder (cartridge holder) | for screw fixing |
| Type of voltage for indicator | AC/DC | Display | LED |
| Operating voltage, max. | 150 V | 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 | Power loss, 1-pole ; 2-pole ; 3-pole | |
| Permitted power loss for fuse with semiconductor protection | | Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 34°C |
| Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C | | |

General

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

Rating data

| | | | |
|---|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 150 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 150 V |
| Nominal 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

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

Important note

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

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000899 | ETIM 9.0 | EC000899 |
| ETIM 10.0 | EC000899 | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 | | |

