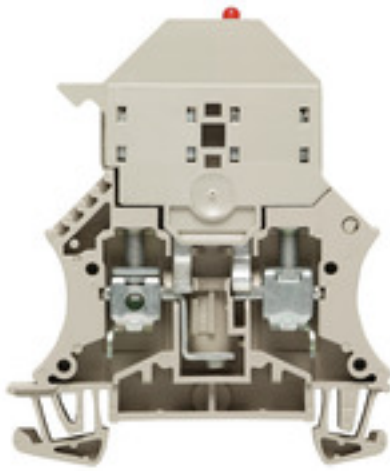


**W-Series
WSI 6/LD 30-70V DC/AC**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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 | WSI 6/LD 30-70V DC/AC |
| Order No. | 1012200000 |
| Version | W-Series, Fuse terminal, Rated cross-section: 6 mm ² , Screw connection |
| GTIN (EAN) | 4008190039813 |
| Qty. | 50 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 7.9 mm | Width (inches) | 0.311 inch |
| Height | 60 mm | Height (inches) | 2.362 inch |
| Depth | 71.5 mm | Depth (inches) | 2.815 inch |
| Depth including DIN rail | 72 mm | Weight | 21.5 g |
| Net weight | 19.63 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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 screwable cross-connection, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.8...1.6 Nm |
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | No. 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 | | |

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

| | | | |
|--|---------------------|--|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 2.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 2.5 mm ² |

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) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG | | |

Conductors for clamping (additional connection)

| | | | |
|---|-------------------|--|--|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 6 mm ² | | |
|---|-------------------|--|--|

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Blade size | 0.8 x 4.0 mm | Clamping range, rated connection, max. | 10 mm ² |
| Clamping range, rated connection, min. | 0.5 mm ² | Clamping screw | M 3.5 |
| Connection direction | on side | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² |
| Gauge to IEC 60947-1 | A5 | Number of connections | 2 |
| Stripping length | 12 mm | Tightening torque, max. | 1.6 Nm |
| Tightening torque, min. | 0.8 Nm | Torque level with DMS electric screwdriver | 3 |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 20 | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 6 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 10 mm ² |
| Wire connection cross section, solid core max. rated connection | 10 mm ² | Wire connection cross section, solid core, min. rated connection | 0.5 mm ² |
| Wire connection cross section, stranded, rated connection, max. | 10 mm ² | Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 6 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |

Display element

| | | | |
|-------------------------------------|-------|-------------------------------------|------|
| Operating voltage for display, max. | 70 V | Operating voltage for display, min. | 30 V |
| Type of voltage for indicator | AC/DC | | |

Fuse terminals

| | | | |
|---|--------------|--------------------------------------|---------|
| Cartridge fuse | G-Si. 5 x 20 | Display | red LED |
| Fuse holder (cartridge holder) | Pivoting | Operating voltage, max. | 70 V |
| Permitted power loss for fuse with semiconductor protection | | Power loss, 1-pole ; 2-pole ; 3-pole | |
| Type of voltage for indicator | AC/DC | | |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 6 mm ² | Rated voltage | 70 V |
| Rated voltage to adjoining terminal | 500 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 | 0.78 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|-------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR) | 8 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | | |

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Technical data**Classifications**

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000899 | ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 | ETIM 6.0 | EC000899 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-16 |
| eClass 6.2 | 27-14-11-16 | eClass 7.1 | 27-14-11-16 |
| eClass 8.1 | 27-14-11-16 | eClass 9.0 | 27-14-11-16 |
| eClass 9.1 | 27-14-11-16 | | |

Product information

| | |
|--------------------------------|--|
| Descriptive text ordering data | Max. power loss (1.6 W) at the cartridge fuse limits the rated current. |
| Descriptive text accessories | Markers only fit on one side. Cross-connections, see section "W series accessories". |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Test Certifikat CB Certifikat DE_PT1003_20160418_962_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | 4171050000_BPZL_SAKS..GL_LD.pdf |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

Data sheet

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Drawings

