

W-Series
WSI 4

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
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Product image

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 4 |
| Order No. | 1886580000 |
| Version | W-Series, Fuse terminal, Rated cross-section: 4 mm ² , Screw connection |
| GTIN (EAN) | 4032248492060 |
| Qty. | 50 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 8 mm | Width (inches) | 0.315 inch |
| Height | 50.7 mm | Height (inches) | 1.996 inch |
| Depth | 42.5 mm | Depth (inches) | 1.673 inch |
| Depth including DIN rail | 54 mm | Net weight | 11.24 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

| | | | |
|---------------------------|-------|--------|-------|
| Material | Wemid | Colour | Black |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1389U | Certificate No. (IECEX) | IECEXUL14.0097U |
| Max. voltage (ATEX) | 250 V | Current (ATEX) | 6.3 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 250 V |
| Current (IECEX) | 6.3 A | Wire cross section max. (IECEX) | 4 mm ² |

System specifications

| | | | |
|-------------------------------|---|--|--------|
| Version | Screw connection, Fuse isolator, closed | Tightening torque (clamping screw for copper conductors) | 0.4 Nm |
| End cover plate required | No | 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)

| | | | |
|--|---------------------|--|---------------------|
| Cross-section for connected wire, solid, two clampable wires, min. | 0.5 mm ² | Cross-section for connected wire, solid, two clampable wires, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 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. | 1.5 mm ² |

Additional technical data

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

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1575489 | Current size C (CSA) | 15 A |
| Voltage size C (CSA) | 300 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG | | |

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|---------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.5 mm ² | Clamping screw | M 3 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| 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 screwdriver | 2 | Type of connection | 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 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, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|---------|
| TS 35 offset | 32.5 mm |
|--------------|---------|

Display element

| | |
|-------------------------------------|-------|
| Operating voltage for display, max. | 500 V |
|-------------------------------------|-------|

Fuse terminals

| | | | |
|--|-----------------------|--|-----------------------|
| Cartridge fuse | G-Si. 5 x 20 | Display | Without LED |
| Fuse holder (cartridge holder) | Pivoting | Operating voltage, max. | 250 V |
| Permitted power loss for fuse with semiconductor protection | | 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 | Power loss, 1-pole ; 2-pole ; 3-pole | |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 4 mm ² | Rated voltage | 250 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 | 1 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

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 | Current size B (cURus) | 15 A |
| Current size C (cURus) | 15 A | Voltage size B (cURus) | 300 V |
| Voltage size C (cURus) | 300 V | | |

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Data sheet

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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 | | |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CFAT_WSI 4 CB Testreport CB Certificate DE_PT1003_20160414_265_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN_WSCAD_Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | NTI_Ex_nA_WSI 4 |

Safety note

Safety notice [Safety Information](#)