

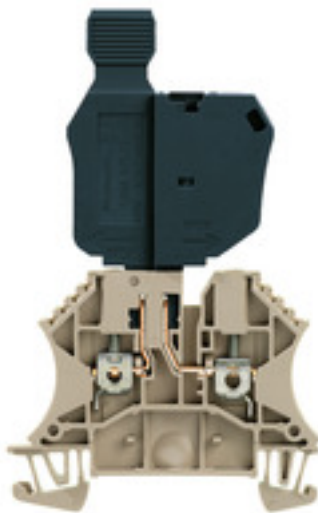
WTR 2.5/SI**Weidmüller Interface GmbH & Co. KG**

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: 2.5 mm ² , Screw connection |
| Order No. | 1763940000 |
| Type | WTR 2.5/SI |
| GTIN (EAN) | 4032248107735 |
| Qty. | 25 pc(s). |

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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 97 mm | Depth (inches) | 3.819 inch |
| Depth including DIN rail | 97.5 mm | Height | 60 mm |
| Height (inches) | 2.362 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 14.72 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 | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|---|-------------------------------------|-----|
| Version | Screw connection, Fuse isolator, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of levels | 1 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | | |

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 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, two clampable wires, min. | 0.5 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 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) | 154685-1152890 | Current size D (CSA) | 10 A |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|

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 mm ² | |
| | | max. | 4 mm ² | |
| | | nominal | 2.5 mm ² | |
| | wire end ferrule | Stripping length | min. | 10 mm |
| | | | max. | 10 mm |
| | | | nominal | 10 mm |
| | | Tightening torque | min. | 0.4 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 ² | | |
| | max. | 4 mm ² | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | min. | 10 mm | |
| | | max. | 10 mm | |
| | | nominal | 10 mm | |
| | Tightening torque | min. | 0.4 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 ² | | |
| | max. | 4 mm ² | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | min. | 10 mm | |
| | | max. | 10 mm | |
| | | nominal | 10 mm | |
| | Tightening torque | min. | 0.4 Nm | |
| | | max. | 0.8 Nm | |
| | Recommended wire-end ferrule | | | |
| Clamping range, max. | 4 mm ² | | | |
| Clamping range, min. | 0.05 mm ² | | | |
| Clamping screw | M 2.5 | | | |
| 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 | 10 mm | | | |
| Tightening torque, max. | 0.8 Nm | | | |
| Tightening torque, min. | 0.4 Nm | | | |
| Torque level with DMS electric screwdriver | 1 | | | |
| Type of connection | Screw connection | | | |
| Wire connection cross section AWG, max. | AWG 12 | | | |
| Wire connection cross section AWG, min. | AWG 26 | | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | | |

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| | |
|---|---------------------|
| 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 with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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 |

Fuse terminals

| | | | |
|--------------------------------|--------------|-------------------------|-------------|
| Cartridge fuse | G-Si. 5 x 20 | Display | Without LED |
| Fuse holder (cartridge holder) | pluggable | Operating voltage, max. | 400 V |

General

| | | | |
|---|--------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-3 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 400 V |
| Rated voltage to adjoining terminal | 400 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 | 1.33 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | | |

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 |

Important note

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

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Technical data

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Testreport CB Certificate CB Test certificate EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks Instruction sheet |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

