

WSI 25/1 10X38 1KV**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, dark beige, 25 mm ² , 30 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, PA 66/6, 10 x 38 mm |
| Order No. | 1137790000 |
| Type | WSI 25/1 10X38 1KV |
| GTIN (EAN) | 4032248961481 |
| Qty. | 12 pc(s). |

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www.weidmueller.com**Technical data****Dimensions and weights**

| | | | |
|------------|----------|-----------------|------------|
| Depth | 58 mm | Depth (inches) | 2.283 inch |
| Height | 81 mm | Height (inches) | 3.189 inch |
| Width | 18 mm | Width (inches) | 0.709 inch |
| Net weight | 50.917 g | | |

Temperatures

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

Material data

| | | | |
|---------------------------|---------|--------|------------|
| Material | PA 66/6 | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|----|
| Version | Screw connection, Fuse cartridge, 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)

| | | | |
|---|----------------------|--|--------------------|
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.75 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 10 mm ² |
|---|----------------------|--|--------------------|

Additional technical data

| | | | |
|------------|--------|------------------|---------|
| Open sides | closed | Type of mounting | Snap-on |
|------------|--------|------------------|---------|

CSA rating data

| | | | |
|-------------------------------|----------|-------------------------------|-------|
| Certificate No. (CSA) | 80153519 | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 18 AWG | | |

Conductors for clamping (additional connection)

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

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Technical data

Conductors for clamping (rated connection)

| | | | | | | | |
|--|--|------------------------------|-----------------------|------------------|--|--|--|
| Clampable conductor | Connection specification | | Screw connection | | | | |
| | Cross-section for conductor connection | Type | solid, H05(07) V-U | | | | |
| | | min. | 1.5 mm ² | | | | |
| | | max. | 25 mm ² | | | | |
| | | nominal | 25 mm ² | | | | |
| | wire end ferrule | Stripping length | min. | 11 mm | | | |
| | | | max. | 11 mm | | | |
| | | | nominal | 11 mm | | | |
| | | Tightening torque | min. | 2 Nm | | | |
| | | | max. | 2.5 Nm | | | |
| | | Recommended wire-end ferrule | | | | | |
| | | Connection specification | | Screw connection | | | |
| | Cross-section for conductor connection | Type | stranded, H07V-R | | | | |
| | | min. | 1.5 mm ² | | | | |
| | | max. | 25 mm ² | | | | |
| | | nominal | 25 mm ² | | | | |
| | wire end ferrule | Stripping length | min. | 11 mm | | | |
| | | | max. | 11 mm | | | |
| | | | nominal | 11 mm | | | |
| | | Tightening torque | min. | 2 Nm | | | |
| | | | max. | 2.5 Nm | | | |
| | | Recommended wire-end ferrule | | | | | |
| | | Connection specification | | Screw connection | | | |
| | Cross-section for conductor connection | Type | flexible, H05(07) V-K | | | | |
| | | min. | 1.5 mm ² | | | | |
| | | max. | 25 mm ² | | | | |
| | | nominal | 25 mm ² | | | | |
| wire end ferrule | Stripping length | min. | 11 mm | | | | |
| | | max. | 11 mm | | | | |
| | | nominal | 11 mm | | | | |
| | Tightening torque | min. | 2 Nm | | | | |
| | | max. | 2.5 Nm | | | | |
| | Recommended wire-end ferrule | | | | | | |
| | Clamping range, max. | | 25 mm ² | | | | |
| Clamping range, min. | | 1.5 mm ² | | | | | |
| Connection cross-section, stranded, max. | | 25 mm ² | | | | | |
| Connection cross-section, stranded, min. | | 1.5 mm ² | | | | | |
| Connection direction | | on side | | | | | |
| Number of connections | | 2 | | | | | |
| Stripping length | | 11 mm | | | | | |
| Tightening torque, max. | | 2.5 Nm | | | | | |
| Tightening torque, min. | | 2 Nm | | | | | |
| Type of connection | | Screw connection | | | | | |
| Type of connection 2 | | Screw connection | | | | | |
| Wire connection cross section AWG, max. | | AWG 4 | | | | | |
| Wire connection cross section AWG, min. | | AWG 18 | | | | | |
| Wire connection cross section, finely stranded, max. | | 25 mm ² | | | | | |
| Wire connection cross section, finely stranded, min. | | 1.5 mm ² | | | | | |

Creation date October 6, 2024 12:27:33 AM CEST

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Technical data

| | |
|---|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 25 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 25 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm ² |
| Wire connection cross-section, solid core, max. | 25 mm ² |
| Wire connection cross-section, solid core, min. | 1.5 mm ² |

Fuse terminals

| | | | |
|---|--|---|--------------------|
| Cartridge fuse | 10 x 38 mm | Current for fuse with semiconductor protection | 25 A |
| Permitted power loss for fuse with semiconductor protection | 4.300000 W/ 10.000000 mm ² / 25.000000 A/ | Permitted power loss for the standard fuse variants | 3 W |
| Power loss for fuse with semiconductor protection | 4.3 W | Power loss, 1-pole | 0.3 W |
| Power loss, 1-pole ; 2-pole ; 3-pole | 0.300000 W/ 0.600000 W/ 0.900000 W/ | Power loss, 2-pole | 0.6 W |
| Power loss, 3-pole | 0.9 W | Wire cross-section for fuse with semiconductor protection | 10 mm ² |

General

| | | | |
|---|-------|---|-------------|
| Rail | TS 35 | Standards | IEC 60269-1 |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 18 |

Rating data

| | | | |
|-------------------------------------|--------------------|--|---------|
| Rated cross-section | 25 mm ² | Rated voltage | 1,000 V |
| Rated voltage to adjoining terminal | 1,000 V | Rated DC voltage | 1,000 V |
| Rated current | 30 A | Current at maximum wires | 30 A |
| Standards | IEC 60269-1 | Volume resistance according to IEC 60947-7-x | 0.32 mΩ |
| Rated impulse withstand voltage | 6 kV | Power loss in accordance with IEC 60947-7-x | 3.23 W |
| Pollution severity | 3 | | |

UL rating data

| | |
|----------------------|---------|
| Certificate No. (UL) | E355388 |
|----------------------|---------|

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 |
| ECLASS 14.0 | 27-25-01-13 | | |

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Technical data

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

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. (UL) | E355388 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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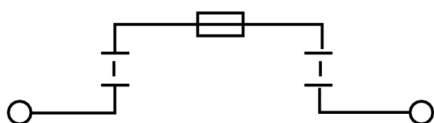
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Drawings



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Accessories

Blank



MultiFit is the Weidmüller marker system used for other makes of terminals. Similar to the Weidmüller Dekafix, the markers of the MultiFit family are available ready-for-use with standard printing.

We recommend to carry out a test with sample markers on the terminals used when using MultiFit for the first time.

- One marker, suitable for different makes of terminals.
- Ready-to-use markers with standard printing
- Blank markers for printing with the PrintJet CONNECT or Plotter
- Delivery of individually printed markers according to customer CAE data or specifications
- One marking system for all applications

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 | MF 5/12 MC NE WS | Version |
| Order No. | 1250090000 | MultiFit, Terminal marker, 5 x 12 mm, Pitch in mm (P): 5.00 Phoenix, |
| GTIN (EAN) | 4050118040463 | white |
| Qty. | 250 pc(s). | |

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 snapped 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). | |

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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). | |

10x38 gPV



The gPV cylindrical fuse cartridges are designed to provide compact, safe and economical protection of photovoltaic modules (field protection) with voltages up to 1,500 DC. They provide protection against both overload and short circuit (gPV class according to the requirements of IEC60269-6 and UL248-19 standards). Made of a ceramic tube with high internal pressure and thermal shock resistance, allowing high switching capacity in a small space. The contacts are made of silver-plated copper and the fusible elements of pure silver to avoid ageing and thus keep the electrical characteristics invariable. They are available in the sizes 10x38 mm, 10x85 mm and 22x58 mm.

General ordering data

| | | |
|------------|-----------------------------|---|
| Type | FUSE 10X38 2A 1000 VDC ... | Version |
| Order No. | 2783170000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 2 A |
| GTIN (EAN) | 4064675059691 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 6A 1000 VDC ... | Version |
| Order No. | 2783210000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 6 A |
| GTIN (EAN) | 4064675059936 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 16A 1000 VDC ... | Version |
| Order No. | 2783260000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 16 A |
| GTIN (EAN) | 4064675059981 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 1A 1000 VDC ... | Version |
| Order No. | 2783160000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 1 A |
| GTIN (EAN) | 4064675059684 | |
| Qty. | 10 pc(s). | |

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Accessories

| | | |
|------------|-----------------------------|---|
| Type | FUSE 10X38 8A 1000 VDC ... | Version |
| Order No. | 2783220000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 8 A |
| GTIN (EAN) | 4064675059943 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 12A 1000 VDC ... | Version |
| Order No. | 2783240000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 12 A |
| GTIN (EAN) | 4064675059967 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 15A 1000 VDC ... | Version |
| Order No. | 2783250000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 15 A |
| GTIN (EAN) | 4064675059974 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 20A 1000 VDC ... | Version |
| Order No. | 2783280000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 20 A |
| GTIN (EAN) | 4064675060000 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 3A 1000 VDC ... | Version |
| Order No. | 2783180000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 3 A |
| GTIN (EAN) | 4064675059905 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 10A 1000 VDC ... | Version |
| Order No. | 2783230000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 10 A |
| GTIN (EAN) | 4064675059950 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 4A 1000 VDC ... | Version |
| Order No. | 2783190000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 4 A |
| GTIN (EAN) | 4064675059912 | |
| Qty. | 10 pc(s). | |
| Type | FUSE 10X38 5A 1000 VDC ... | Version |
| Order No. | 2783200000 | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 5 A |
| GTIN (EAN) | 4064675059929 | |
| Qty. | 10 pc(s). | |

W-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 | WEW 35/2 GR | Version |
| Order No. | 1859200000 | End bracket, grey, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248411658 | |
| Qty. | 100 pc(s). | |

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Catalogue status 28.09.2024 / We reserve the right to make technical changes.

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| | | |
|------------|----------------------------|--|
| Type | WEW 35/2 | Version |
| Order No. | 1061200000 | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/2 SW | Version |
| Order No. | 1061210000 | End bracket, black, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248136278 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/2 V0 GF SW | Version |
| Order No. | 1479000000 | End bracket, black, TS 35, V-0, Wemid, Width: 8 mm, 130 °C |
| GTIN (EAN) | 4050118286779 | |
| Qty. | 50 pc(s). | |

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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 | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |