

**WSI 25/1 10X38 1KV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 30 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 35 |
| Order No.  | <a href="#">1137790000</a>                                                                                                           |
| Type       | WSI 25/1 10X38 1KV                                                                                                                   |
| GTIN (EAN) | 4032248961481                                                                                                                        |
| Qty.       | 12 pc(s).                                                                                                                            |

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## 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 | Ambient temperature              | -5 °C...40 °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 <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max. | 10 mm <sup>2</sup> |
|---------------------------------------------------------------------------|----------------------|----------------------------------------------------------------|--------------------|

## 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 <sup>2</sup> |        |  |
|                                                      |                                        | max.                         | 25 mm <sup>2</sup>  |        |  |
|                                                      |                                        | nominal                      | 25 mm <sup>2</sup>  |        |  |
|                                                      | 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 <sup>2</sup> |        |  |
|                                                      |                                        | max.                         | 25 mm <sup>2</sup>  |        |  |
|                                                      |                                        | nominal                      | 25 mm <sup>2</sup>  |        |  |
|                                                      | 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 <sup>2</sup>          |                     |        |  |
|                                                      | max.                                   | 25 mm <sup>2</sup>           |                     |        |  |
|                                                      | nominal                                | 25 mm <sup>2</sup>           |                     |        |  |
| 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 <sup>2</sup>                     |                              |                     |        |  |
| Clamping range, min.                                 | 1.5 mm <sup>2</sup>                    |                              |                     |        |  |
| Connection cross-section, stranded, max.             | 25 mm <sup>2</sup>                     |                              |                     |        |  |
| Connection cross-section, stranded, min.             | 1.5 mm <sup>2</sup>                    |                              |                     |        |  |
| 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 <sup>2</sup>                     |                              |                     |        |  |
| Wire connection cross section, finely stranded, min. | 1.5 mm <sup>2</sup>                    |                              |                     |        |  |

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## Technical data

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

## Display element

|                               |       |
|-------------------------------|-------|
| Type of voltage for indicator | AC/DC |
|-------------------------------|-------|

## Fuse terminals

|                                                     |            |                                                             |                                                      |
|-----------------------------------------------------|------------|-------------------------------------------------------------|------------------------------------------------------|
| Cartridge fuse                                      | 10 x 38 mm | Current for fuse with semiconductor protection              | 25 A                                                 |
| Fuse holder (cartridge holder)                      | Pivoting   | Permitted power loss for fuse with semiconductor protection | 4.300000 W/ 10.000000 mm <sup>2</sup> / 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                                                |
| Type of voltage for indicator                       | AC/DC      | Wire cross-section for fuse with semiconductor protection   | 10 mm <sup>2</sup>                                   |

## 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 <sup>2</sup> | 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 |
|----------------------|---------|

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Important note

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

## Approvals

Approvals



|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID       | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319261/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319261/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                  | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UL File Number Search | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Certificate No. (UL)  | E355388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Downloads

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">UKCA declaration of conformity</a>  |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                 |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>        |
| Brochures                                   |                                                 |

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## Drawings

