

**FUSEHOLDER WSFH 10X38 1KV LED**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



Photovoltaic fuse holder for PV applications

- For usage in photovoltaic DC combiner boxes up to 1000V
- DIN- rail mounted
- For use with cylindrical fuse links from 1A up to 30A of 10x38mm gPV

**General ordering data**

|            |   |
|------------|---|
| Version    | Photovoltaics, Fuse holder, 1000 V, 10x38, 1 String, with LED |
| Order No.  | <a href="#">2827950000</a>                                    |
| Type       | FUSEHOLDER WSFH 10X38 1KV LED                                 |
| GTIN (EAN) | 4064675367673   |
| Qty.       | 10 items  |

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## Technical data

### Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Dimensions and weights

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Depth      | 61 mm | Depth (inches)  | 2.4016 inch |
| Height     | 73 mm | Height (inches) | 2.874 inch  |
| Width      | 18 mm | Width (inches)  | 0.7087 inch |
| Net weight | 10 g  |                 |             |

### Temperatures

|                                  |        |                                  |       |
|----------------------------------|--------|----------------------------------|-------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 90 °C |
|----------------------------------|--------|----------------------------------|-------|

### Environmental Product Compliance

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

### Fuse holder connection

|   |                   |   |                    |
|---|-------------------|---|--------------------|
| Number of connections   | 2                 | Stripping length  | 10 mm              |
| Tightening torque, max.   | 2.5 Nm            | Tightening torque, min.   | 2 Nm               |
| Type of connection  | Screw connection  | Wire material   | Copper             |
| Wire connection cross section AWG, min.   | AWG 6             | Wire connection cross section AWG, max.   | AWG 17             |
| Wire connection cross section, finely stranded, min.                                    | 1 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 10 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.   | 1 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup> |

### Fuse holder technical data

|                         |            |                                 |            |
|-------------------------|------------|---------------------------------|------------|
| Cartridge fuse          | 10 x 38 mm | Colour                          | Light Blue |
| Display                 | Red LED    | Fuse holder (cartridge holder)  | Pivoting   |
| Max. current            | 30 A       | Number of potentials            | 1          |
| Operating voltage, max. | 1000 V     | Power dissipation, max.         | 3 W        |
| Mounting rail           | TS 35      | Rated impulse withstand voltage | 6 kV       |
| Surge voltage category  | III        | Type of mounting                | Rail       |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

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Drawings

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## Accessories

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### 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 1A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783160000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 1 A  |
| GTIN (EAN) | 4064675059684              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 2A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783170000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 2 A  |
| GTIN (EAN) | 4064675059691              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 3A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783180000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 3 A  |
| GTIN (EAN) | 4064675059905              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 4A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783190000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 4 A  |
| GTIN (EAN) | 4064675059912              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 5A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783200000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 5 A  |
| GTIN (EAN) | 4064675059929              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 6A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783210000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 6 A  |
| GTIN (EAN) | 4064675059936              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 8A 1000 VDC ... | Version   |
| Order No.  | <a href="#">2783220000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 8 A  |
| GTIN (EAN) | 4064675059943              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 10A 1000 VDC... | Version   |
| Order No.  | <a href="#">2783230000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 10 A |
| GTIN (EAN) | 4064675059950              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 12A 1000 VDC... | Version   |
| Order No.  | <a href="#">2783240000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 12 A |
| GTIN (EAN) | 4064675059967              |   |
| Qty.       | 10 ST                      |   |

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|            |                            |   |
|------------|----------------------------|---|
| Type       | FUSE 10X38 15A 1000 VDC... | Version   |
| Order No.  | <a href="#">2783250000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 15 A |
| GTIN (EAN) | 4064675059974              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 16A 1000 VDC... | Version   |
| Order No.  | <a href="#">2783260000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 16 A |
| GTIN (EAN) | 4064675059981              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 20A 1000 VDC... | Version   |
| Order No.  | <a href="#">2783280000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 20 A |
| GTIN (EAN) | 4064675060000              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 25A 1000 VDC... | Version   |
| Order No.  | <a href="#">2827990000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 25 A |
| GTIN (EAN) | 4064675367819              |   |
| Qty.       | 10 ST                      |   |
| Type       | FUSE 10X38 30A 1000 VDC... | Version   |
| Order No.  | <a href="#">2828000000</a> | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 30 A |
| GTIN (EAN) | 4064675367826              |   |
| Qty.       | 10 ST                      |   |