

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.	2827950000
Type	FUSEHOLDER WSFH 10X38 1KV LED
GTIN (EAN)	4064675367673
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	61 mm	Depth (inches)	2.402 inch
Height	73 mm	Height (inches)	2.874 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	10 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	90 °C
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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 connection cross section AWG, max.	AWG 17
Wire connection cross section AWG, min.	AWG 6	Wire connection cross section, finely stranded, min.	1 mm ²
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²	Wire connection cross-section, solid core, min.	1 mm ²
Wire connection cross-section, solid core, max.	10 mm ²	Wire material	Copper

Fuse holder technical data

Type of mounting	Rail	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	Power dissipation, max.	3 W
Rail	TS 35	Rated impulse withstand voltage	6 kV
Surge voltage category	III	Operating voltage, max.	1000 V

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

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity for PV fuse holders
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

Creation date May 10, 2024 1:58:33 AM CEST

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Drawings

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Accessories

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 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 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 1A 1000 VDC ...	Version
Order No.	2783160000	Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 1 A
GTIN (EAN)	4064675059684	
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 30A 1000 VDC ...	Version
Order No.	2828000000	Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 30 A
GTIN (EAN)	4064675367826	
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 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 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 8A 1000 VDC ...	Version
Order No.	2783220000	Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 8 A
GTIN (EAN)	4064675059943	
Qty.	10 pc(s).	

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Catalogue status 04.05.2024 / We reserve the right to make technical changes.

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www.weidmueller.com**Accessories**

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 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 5A 1000 VDC ...	Version
Order No.	2783200000	Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 5 A
GTIN (EAN)	4064675059929	
Qty.	10 pc(s).	
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 25A 1000 VDC ...	Version
Order No.	2827990000	Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 25 A inline fuse
GTIN (EAN)	4064675367819	
Qty.	10 pc(s).	