





PHOTOVOLTAIC FLISE LINKS & ELISE HOLDERS FOR PHOTOVOLTAIC APPLICATIONS

PMX 1100V DC

PV fuse holder for cylindrical fuse links













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RATED CURRENT 50A

RATED VOLTAGE 690V AC 1100V DC

 $\begin{array}{l} \text{maximum power dissipation} \\ 6W \end{array}$

PROTECTION INDEX

STANDARDS
IEC/EN 60269-1
IEC/EN 60269-2
UL4248-1
UL4248-19
UL486E





Modular fuse holders that offer 1100V DC rated voltages

Modular fuse holder for cylindrical fuse link size 14x51 according IEC/EN 60269 standard.

Compact design, with reduced dimensions.

Ventilation zones optimized for a better heat dissipation.

Manufactured with a high quality materials

- · Silver plated copper contacts.
- \cdot Plastic materials with high temperature resistance and self-extinguishable.
- · All the materials are according to the European Directive RoHS.





Extended range of accessories is available.

Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
480005	PINS FOR MULTIPOLE ASSEMBLY	12
485356	PMX-14/22 HANDLE TIES FOR MULTIPOLE ASSEMBLY	12
485258	PMX-14 LOCK SUPPORT	5
485266	SPECIAL IP20 PROTECTION ACCESSORY PMX-14	12
485656	SCREW'S PROTECTION ACCESSORY	12
485271	PMX-14 SPECIAL ACCESSORY SCREW CONNECTION	12

Range

REFERENCE	INDICATOR	POLES	MODULES	PACKING Uni /BOX
485250	-	1P	1	6/90
485251	-	2P	2	3/45
485252	•	1P	1	6/90
485253	•	2P	2	3/45



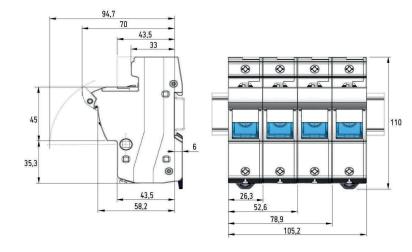


Technical data

Rated current	50	DA
Rated voltage		V AC IV DC
Maximum power dissipation	6	W
Power dissipation per pole		> 0,52W > 0,88W
Utilization category as per EN 60947-3		AC-21B > DC-20B
Pollution degree	;	3
Protection index *	IP	20
Rated insulation voltage	6kV	U imp
Ambient temperature of service	-20°C	70°C
	-40°C 80°C	
Storage temperature	-40°C	80°C
Storage temperature Derating by number of poles	-40°C	80°C
	POLES	I _{MAX}
	POLES 1 4	I _{MAX}
	POLES 1 4 5 6	I _{MAX} In 0,8 x I _D
Derating by number of poles Correction of the admissible current	POLES 1 4 5 6 7 9	I _{MAX} In 0,8 × In 0,7 × In
Derating by number of poles	POLES 1 4 5 6 7 9 ≥ 10	I _{MAX} In 0,8 × In 0,7 × In 0,6 × In
Derating by number of poles Correction of the admissible current	POLES 1 4 5 6 7 9 ≥ 10 20° C	I _{MAX} In 0,8 × In 0,7 × In 0,6 × In
Derating by number of poles Correction of the admissible current	POLES 1 4 5 6 7 9 ≥ 10 20° C 30° C	I _{MAX} In 0,8 × In 0,7 × In 0,6 × In 1 0,95
Derating by number of poles Correction of the admissible current	POLES 1 4 5 6 7 9 ≥ 10 20° C 30° C 40° C	I _{MAX} In 0,8 × In 0,7 × In 0,6 × In 1 0,95 0,90

^{*} For wires of section ≤ 10mm² is necessary the use of the accessory to guarantee IP20 in clamps zone. FIG. 4

Dimensions



Weight

1P	101gr
2P	202gr

Weight without packing

Standards

IEC/EN 60269-1 IEC/EN 60269-2 **UL4248-1** Fuse holders **UL4248-19** Photovoltaic fuse holders

UL486E Wiring terminals











Application characteristics

For mounting on DIN/EN standard rail

DIN 46277/1-3 (EN50022) Clip fixation with 2 positions

Connecting wire

Copper wires only

WIRES	METRIC	AWG	WIRING
1	1,535mm ² Solid 1,525mm ²	816 AWG Solid	
	Stranded	616 AWG Stranded	14mm ±1
2 Same cross section and type	1,516mm ² Solid 1,510mm ²	616 AWG Solid / Stranded	Cu

Wire-end terminals

The use of wire-end terminals may allow to increase the connecting wire section.

Wire-end terminals recommended



The use of wire-end terminals could not guarantee the IP20 protection degree.

Ferrules

It's recommended use of ferrules in



The product is delivered with the terminals opened and ready to connect

Tightening torque on terminals	2,53 Nm / 2227 lb.in
Screws with a combined head	SLOT + PZ2
Multipolar assembly	▶FIG. 1
Fuse holders with fuse indicator	NEON VERSION 3501100V DC
Label holder for a better circuit identification	► FIG. 2 Suitable size for label:16x10 mm
Special zone for sealing	1,5 mm ² wire
Accessory available to lock the fuse holder by a padlock	► FIG. 3 (máx. 3 padlocks of Ø 3mm)

Accessories

FIG. 1 | Multipolar assembly

Standard system by DF, 3 clips and 1 pin for each union between poles

480005	PINS FOR MULTIPOLE ASSEMBLY
485356	PMX-14/22 HANDLE TIES FOR MULTIPOLE ASSEMBLY



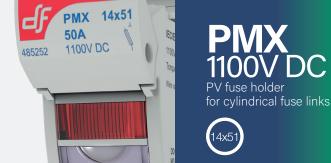
FIG. 2 | Identification by label

Open the label holder part when the fuseholder is totally closed or totally open, put on the label and close



Label measures 16x10mm





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FIG. 3 | Locking means a padlock

To avoid the operation and connection when the fuse holder is open, put on the accessory "Padlock support" sliding it for the guides, and covering the fuse link zone. (Is possible the use with or without fuse link)

Introduce the padlock trough the symmetrical holes and close it

485258

PMX-14 LOCK SUPPORT



FIG. 5 | PMX-14 Special accessory screw connection

485271 PMX-14 SPECIAL ACCESSORY SCREW CONNECTION

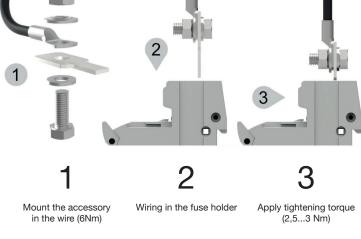
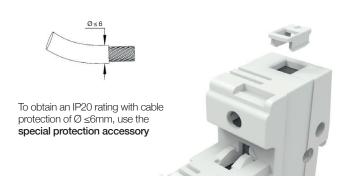
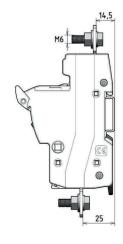


FIG. 4 | Special IP20 protection

The accessory must be positioned in the wire entries, if it's necessary to achieve the IP20 degree of protection with thin wires $\,$

485266 SPECIAL IP20 PROTECTION ACCESSORY













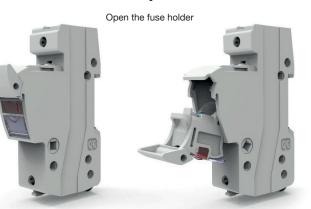


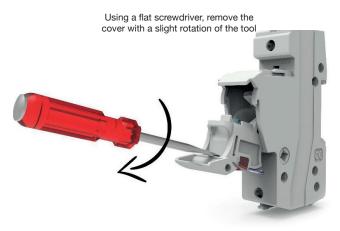


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Accessories

FIG. 6 | Fusing indicator replacement instructions





Replace the fusing indicator and enter the cover on the handle



FIG. 7 | Screw's protection accessory

Protection accessory to avoid the screws manipulation and improve the protection degree

485656 SCREW'S PROTECTION ACCESSORY





PROTECTING THE WORLD























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