



**PROTECTING
THE WORLD**

PHOTOVOLTAIC

FUSE LINKS & FUSE HOLDERS FOR PHOTOVOLTAIC APPLICATIONS

PMX 1500V DC

PV fuse holder
for cylindrical fuse links

PMX

22x65



10x38



14x51



22x65



Modular fuse holders that offer 1500V DC rated voltages

Modular fuse holder for cylindrical fuse link size 22x65 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.
- Plastic materials with high temperature resistance and self-extinguishable.
- All the materials are according to the European Directive RoHS.



Range of accessories is available.

UL certification (File E359201).



Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
480005	PINS FOR MULTIPOLE ASSEMBLY	12
485356	PMX-14/22 HANDLE TIES FOR MULTIPOLE ASSEMBLY	12
485366	PMX-22 SPECIAL IP20 PROTECTION ACCESSORY	12
485367	PMX-22 SPECIAL ACCESSORY SCREW CONNECTION	12
485371	PMX-22 ACCESSORY SCREW PROTECTION	12

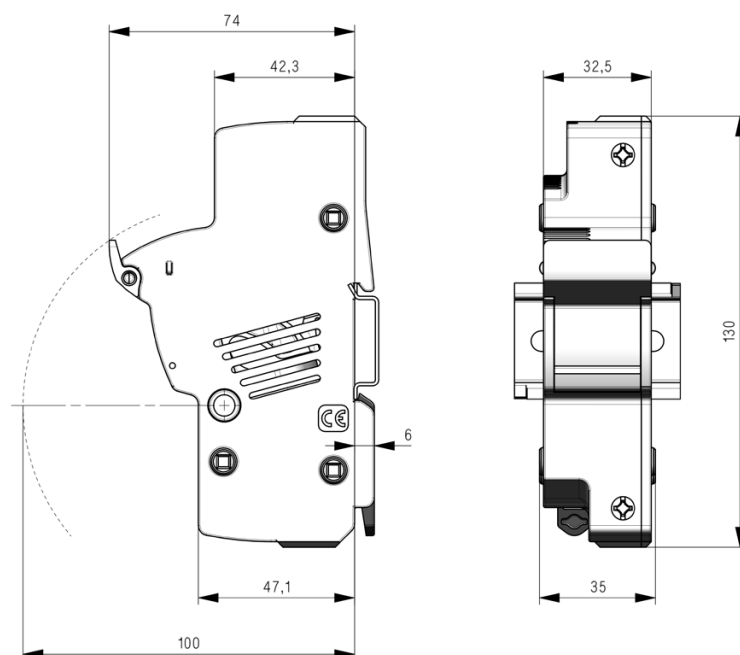
Range

REFERENCE	INDICATOR	POLES	MODULES	PACKING Uni /BOX
485720	—	1P	1	6/48

Technical data

Rated current	100A	
Rated voltage	1000V AC 1500V DC	
Maximum power dissipation	12W	
Power dissipation per pole	50% $I_n > 1,48W$ 80% $I_n > 1,82W$ 100% $I_n > 2,81W$	
Pollution degree	3	
Protection index ▶ FIG. 2	IP20	
Rated impulse withstand voltage	8kV U imp	
Withstand rating	30kA DC	
Ambient temperature of service	-40°C ... 70°C (with carrier operation) -50°C ... 80°C (without carrier operation)	
Storage temperature	-50°C ... 80°C	
Derating by number of poles	POLES	I_{MAX}
	1 ... 4	I_n
	≥ 5	$0,85 \times I_n$
Correction of the admissible current in function of the temperature	20° C	1
	30° C	0,95
	40° C	0,90
	50° C	0,80
	60° C	0,70
	70° C	0,60

Dimensions



Weight

1P

148gr

Weight without packing

Standards

IEC/EN 60269-1
IEC/EN 60269-2
UL4248-1 Fuse holders
UL4248-19 Photovoltaic fuse holders
UL486E Wiring terminals

Warning of use

Installing or replacing of
fuse links is only allowed by
instructed specialized staff.

To avoid electrical risk,
install the switchgear
without voltage.



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	1,5...35mm ² Flexible / Extra flexible	16...2 AWG Flexible / Extra flexible	
2 Same cross section and type	1,5...10mm ² Flexible / Extra flexible	16...6 AWG Flexible / Extra flexible	

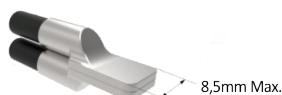
BUS-BAR applications
Clamping dimensions

THICKNESS	WIDTH
8,5mm	8,5mm

Wire-end terminals

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

Wire-end terminals recommended mounting:



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

Ferrules

It's recommended use of ferrules in wires with section $\leq 2,5\text{mm}^2$



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

Tightening torque on terminals	3,5...4 Nm 31...35 lb.in
Screws with a combined head	SLOT + PZ2
Multipolar assembly	► FIG. 1
Special zone for sealing	Ø1,5 mm wire

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

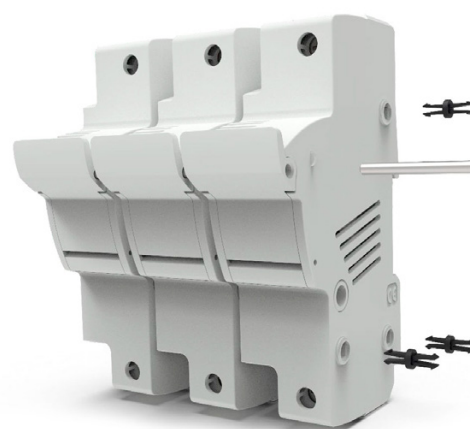
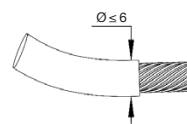


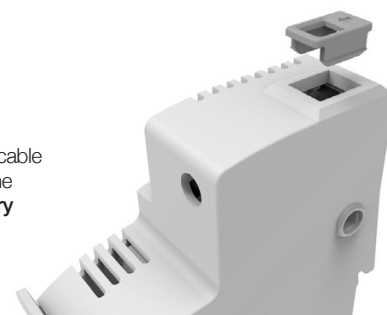
FIG. 2 | Special IP20 protection

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

485366	PMX-22 SPECIAL IP20 PROTECTION ACCESSORY
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To obtain an IP20 rating with cable protection of $\text{Ø} \leq 6\text{mm}$, use the special protection accessory



Accessories

FIG. 3 | Screw's protection accessory

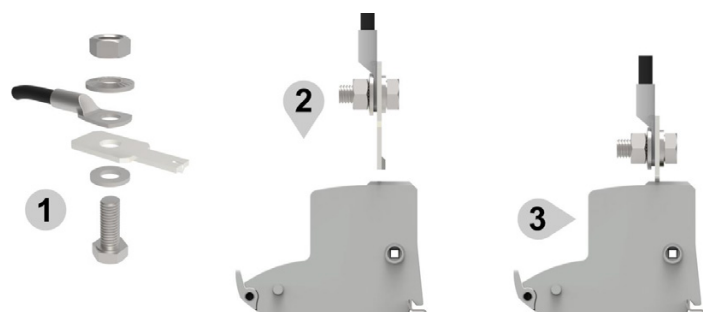
Protection accessory to avoid the screws manipulation and improve the protection degree. Manual assembly.

485371 PMX-22 ACCESSORY SCREW PROTECTION



FIG. 4 | Special screw connection accessory

485367 PMX-22 SPECIAL SCREW CONNECTION ACCESSORY



1

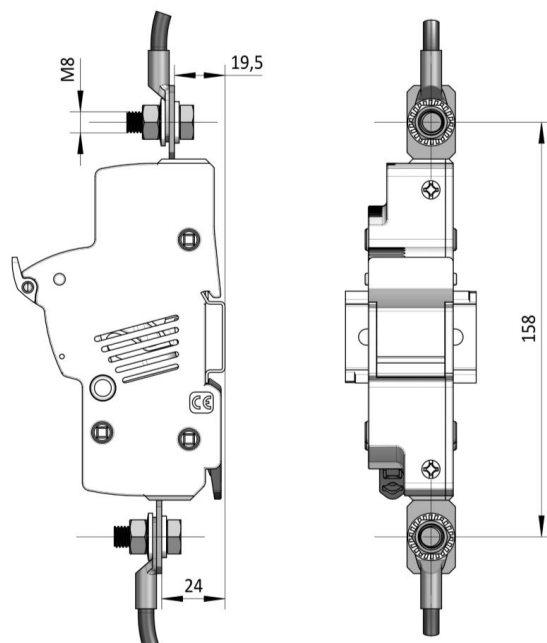
Mount the accessory
in the wire or busbar
(10Nm)

2

Wiring in the fuse holder

3

Apply tightening torque
(4Nm)





PROTECTING THE WORLD

HEAD OFFICE AND FACTORY

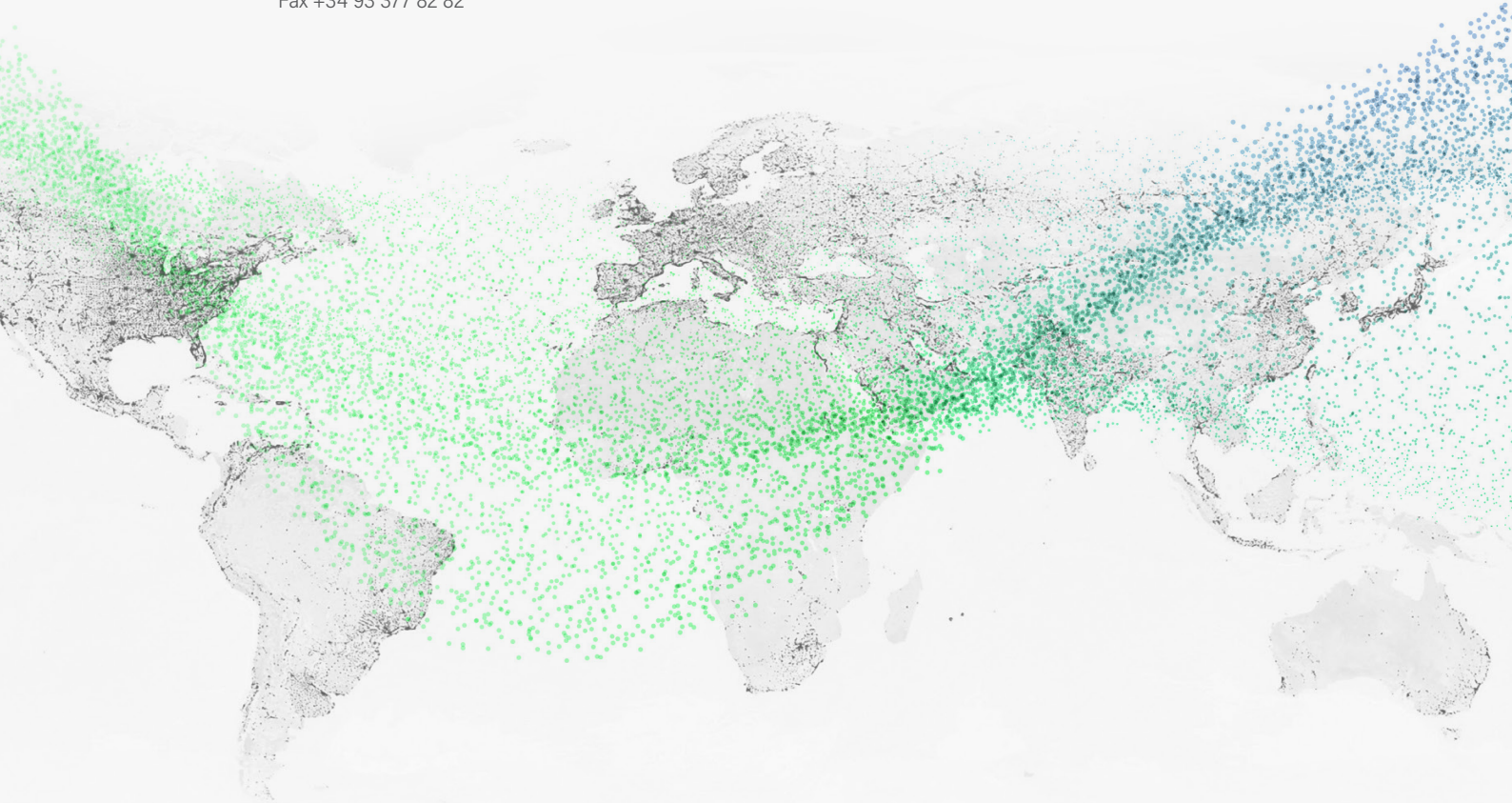
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The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



Safety notice
Please capture the following QR code and read our safety notice carefully before installing our products.



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