

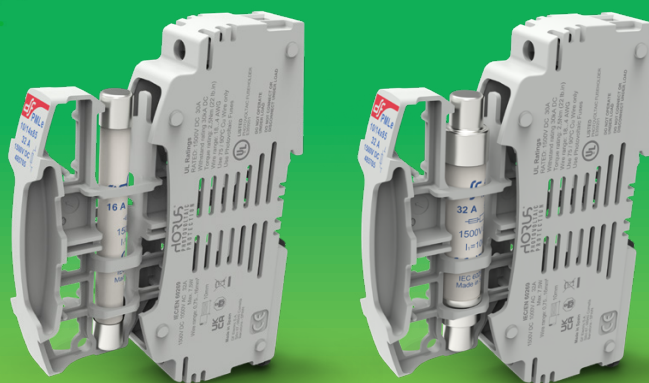


## FUSE LINKS & FUSE HOLDERS FOR PHOTOVOLTAIC APPLICATIONS

# PMLe 1500V DC

## PV fuse holder for cylindrical fuse links

10/14x85



# PROTECTING THE WORLD



**dfelectric.es**



# PMLe 1500V DC

PV fuse holder  
for cylindrical fuse links

PHOTOVOLTAIC

**HORUS**  
PHOTOVOLTAIC  
PROTECTION

10x85 10/14x85

10x85 10/14x85

RATED CURRENT  
32A

RATED VOLTAGE  
1000V AC  
1500V DC

MAXIMUM POWER DISSIPATION  
7,5W

PROTECTION INDEX  
IP20

STANDARDS  
IEC/EN 60269-1  
IEC/EN 60269-2  
UL 4248-1  
UL 4248-19  
UL 486E



**PATENTED  
DESIGN**

## Fuse holder that offer 1500V DC rated voltages

Fuse holder for cylindrical fuse link size 10x85 according IEC/EN 60269 standard and 10-14x85.

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 (Restriction of the use of certain hazardous substances in electrical material) and also halogen free.



Extended range of accessories is available.

UL certification (File E359201).



## Range

### PMLe fuse holder

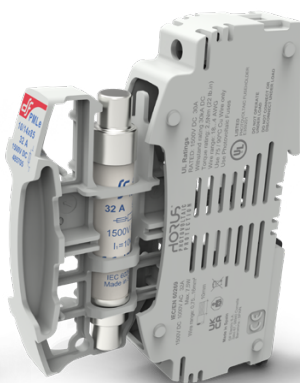
REFERENCE	POLES	MODULE (mm)	PACKING Uni /BOX
<b>485705</b>	1P	22,5	10/100

### Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
<b>485052</b>	SPECIAL IP20 PROTECTION ACCESSORY	24
<b>485656</b>	SCREW'S PROTECTION ACCESSORY	20



10x85 position



10/14x85 position

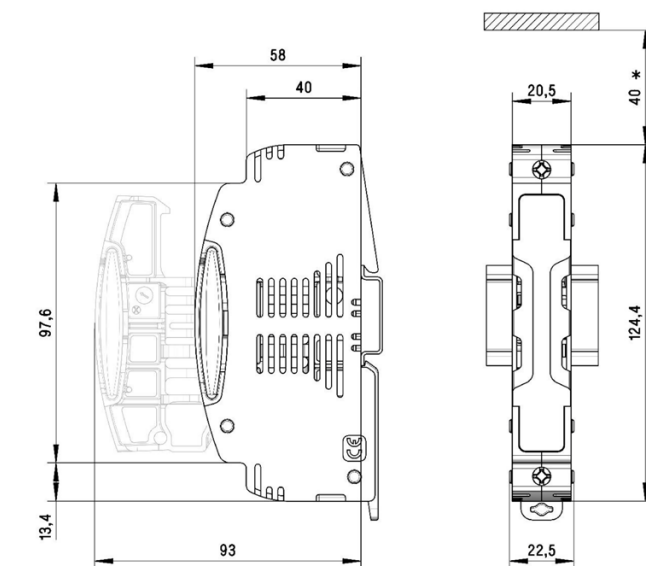


## Technical data

Rated current	32A	
Rated voltage	1000V AC 1500V DC	
Maximum power dissipation	7,5W	
Power dissipation per pole	80% $I_n > 0,2W$ 100% $I_n > 0,3W$	
Pollution degree	3	
Protection index *	IP20	
Rated impulse withstand voltage	8kV $U_{imp}$	
Ambient temperature of service	-20°C ... 70°C	
Storage temperature	-40°C ... 80°C	
Derating by number of poles	POLES	$I_{MAX}$
	1 ... 4	$I_n$
	$\geq 5$	$0,85 \times I_n$
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

\* For wires of section  $\leq 6mm^2$  is necessary the use of the accessory to guarantee IP20 in clamps zone. ► [FIG. 2](#)

## Dimensions



\* Recommended mounting free space

## Weight

1P

84,5gr

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

### Screw fixation

Available with accessory  
► **FIG. 3**

### Connecting wire

WIRES	METRIC	AWG	WIRING
1	0,75...16mm <sup>2</sup> Flexible / Extra Flexible	18....4 AWG Flexible / Extra Flexible	
2 Same cross section and type	0,75...6mm <sup>2</sup> Flexible / Extra Flexible	18....8 AWG Flexible / Extra Flexible	

### BUS-BAR applications

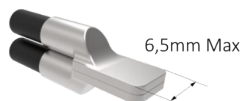
Clamping dimensions

THICKNESS	WIDTH
6,5mm	6,5mm

### 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

2...2,5 Nm  
18...22 lb.in

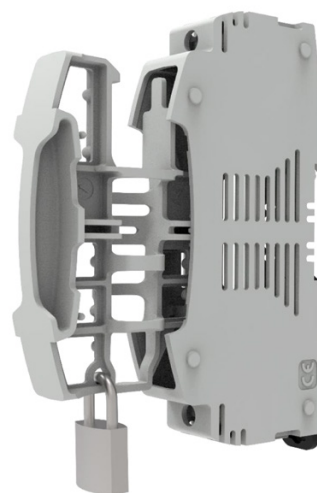
### Screws with a combined head

SLOT + PZ2

## Accessories

**FIG. 1 | Lock of the fuse holder**

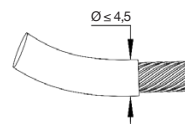
Systems to avoid the operation and connection



**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

**485052** SPECIAL IP20 PROTECTION ACCESSORY



Manual assembly

To obtain an IP20 rating with cable protection of  $\varnothing \leq 4.5\text{mm}$ , use the special protection accessory

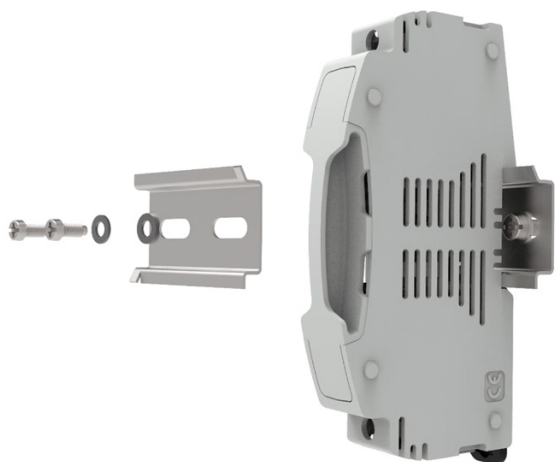




## Accessories

**FIG. 3 | Screw fixation accessory**

First mount the accessory with screws, then mount the fuse holder  
(there are available different accessories depending the number of the fuse holder)



**FIG. 4 | Screw's protection accessory**

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

**485656** SCREW'S PROTECTION ACCESSORY

Manual assembly







## PROTECTING THE WORLD



### HEAD OFFICE AND FACTORY

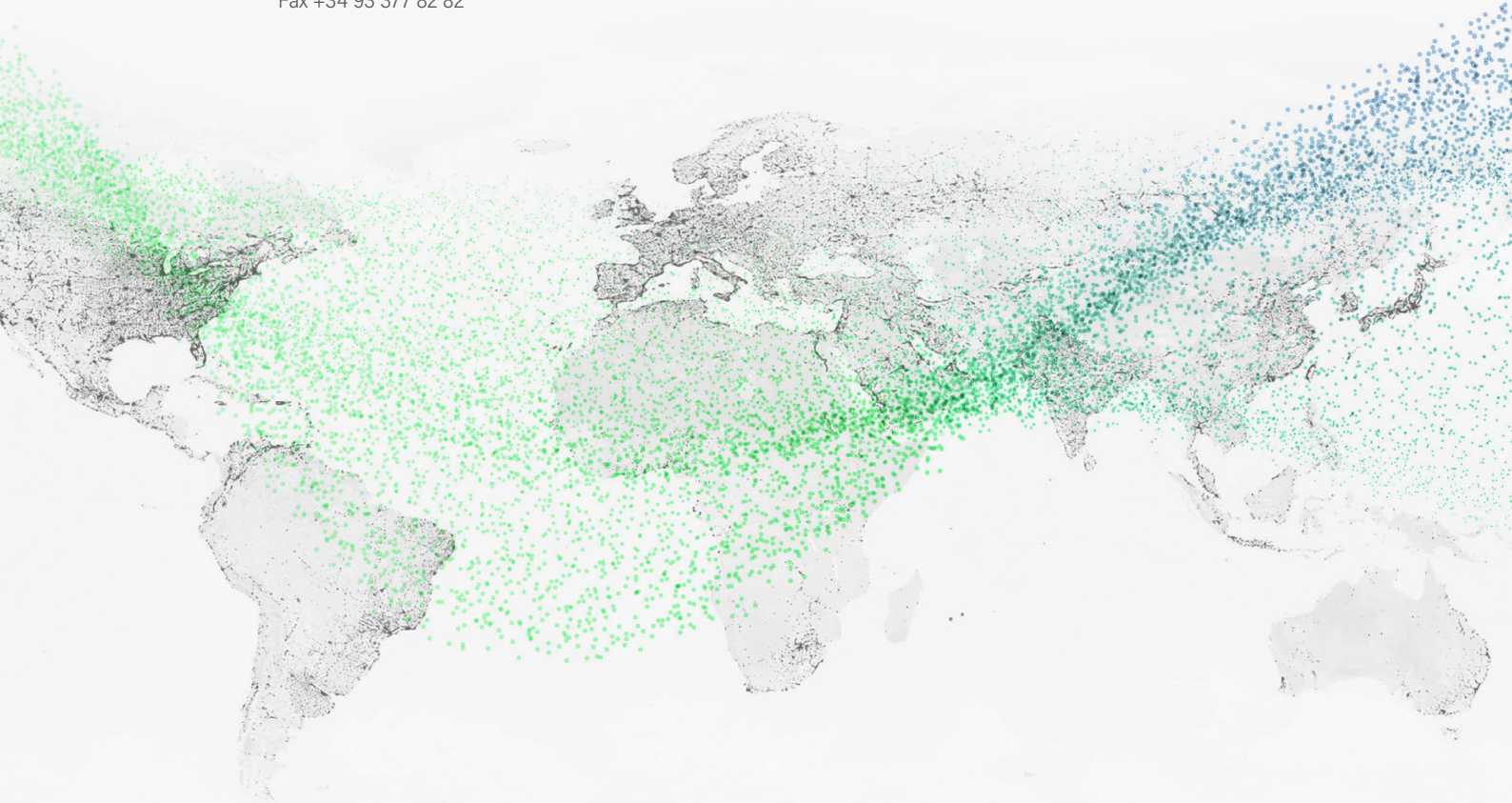
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To prevent electrical hazards, carry out the installation without voltage.



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