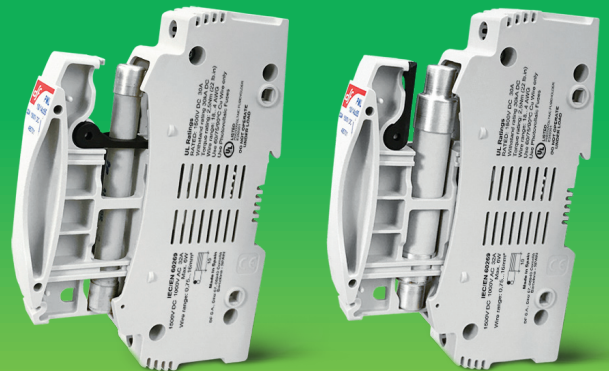




PML 1500V DC

PV fuse holder
for cylindrical fuse links



**PROTECTING
THE WORLD**



PML 1500V DC

PV fuse holder
for cylindrical fuse links



RATED CURRENT
32A

RATED VOLTAGE
1000V AC
1500V DC

MAXIMUM POWER DISSIPATION
6W

PROTECTION INDEX
IP20

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



Modular 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.



Extended range of accessories is available.

UL certification (File E359201).



**PATENTED
DESIGN**

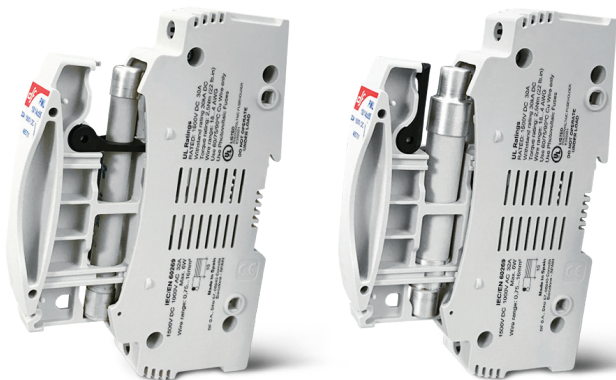
Range

PML fuse holder

REFERENCE	POLES	MODULE (mm)	PACKING Uni./BOX
485701	1P	24	6/84

Accessories

REFERENCE	DESCRIPTION	PACKING Uni./BOX
480005	PINS FOR MULTIPOLE ASSEMBLY	12
485050	HANDLE TIES FOR MULTIPOLE ASSEMBLY	12
485051	LOCK ACCESSORY	5
485052	SPECIAL IP20 PROTECTION ACCESSORY	24
485053	PHASE SEPARATOR ACCESSORY	12
485656	SCREW'S PROTECTION ACCESSORY	20



10x85 position

10/14x85 position

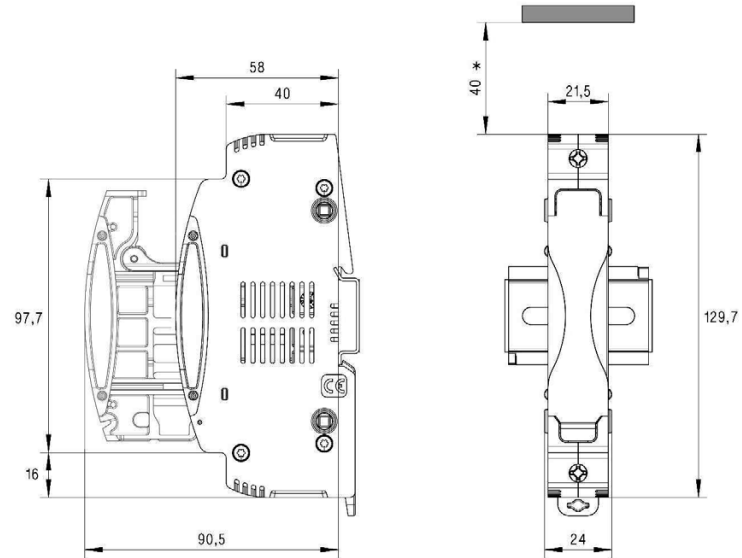


Technical data

Rated current	32A	
Rated voltage	1000V AC 1500V DC	
Maximum power dissipation	6W	
Power dissipation per pole	80% $I_n > 0,3W$ 100% $I_n > 0,5W$	
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
	≥ 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 $\leq 6\text{mm}^2$ is necessary the use of the accessory to guarantee IP20 in clamps zone. ► **FIG. 5**

Dimensions



* Recommended mounting free space

Weight

1P

106gr

Weight without packing

Standards

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

Certifications





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. 7**

Connecting wire

WIRES	METRIC	AWG	WIRING
1	0,75...16mm ² Flexible / Extra Flexible	18...4 AWG Flexible / Extra Flexible	10mm±1
2 Same cross section and type	0,75...6mm ² Flexible / Extra Flexible	18...8 AWG Flexible / Extra Flexible	

BUS-BAR applications

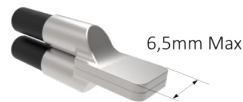
Clamping dimensions

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 ≤ 2,5mm²

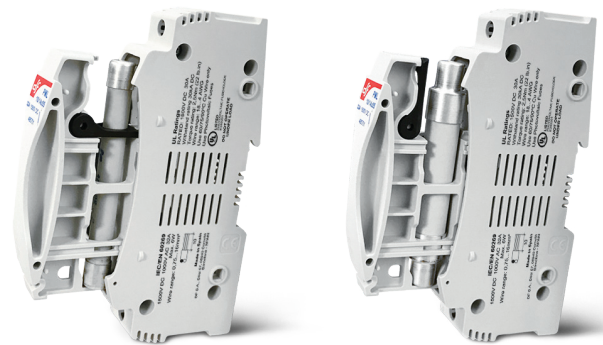


The product is delivered with the terminals opened and ready to connect

Tightening torque on terminals	2...2,5 Nm 18...22 lb.in
Screws with a combined head	SLOT + PZ2
Multipolar assembly	▶ FIG. 2
Special zone for sealing	1,5 mm ² wire
Accessory available to lock the fuse holder by a padlock	▶ FIG. 4 (máx. 3 padlocks of Ø 3mm)

Accessories

FIG. 1 | Fuse link size selector



10x85 POSITION



Moving part allows the use of 10x85 and 10/14x85 fuselinks



10/14x85 POSITION





Accessories

FIG. 2 | Multipolar assembly

Standard system by DF: 2 clips and 2 pins for each union between poles.
Recommended maximum number of linkable poles: 4

- 480005** PINS FOR MULTIPOLE ASSE
- 485050** HANDLE TIES FOR MULTIPOLE ASSEMBLY



FIG. 3 | Free space for labeling

Green zones



FIG. 4 | Lock of the fuse holder

Systems to avoid the operation and connection when the fuse holder is open or closed

- 485051** LOCK ACCESSORY

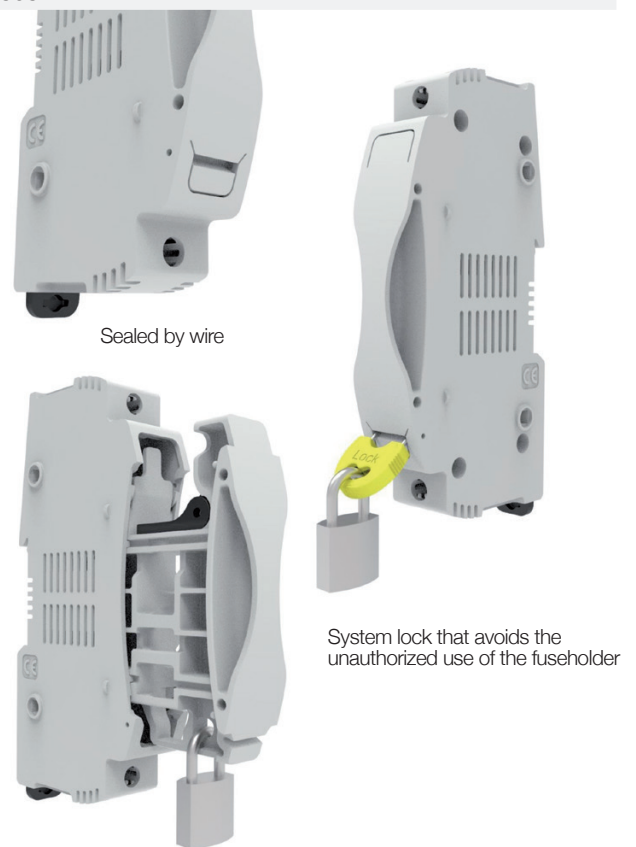
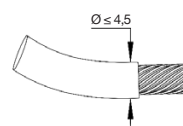


FIG. 5 | Special IP20 protection

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. 6 | 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)

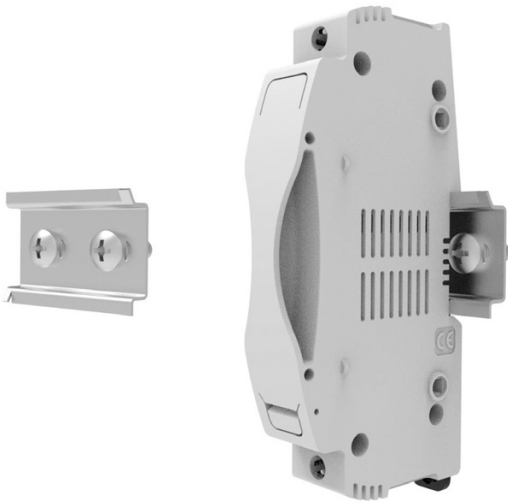
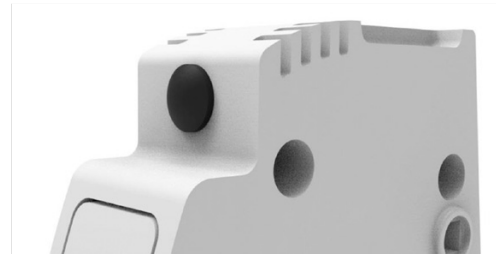


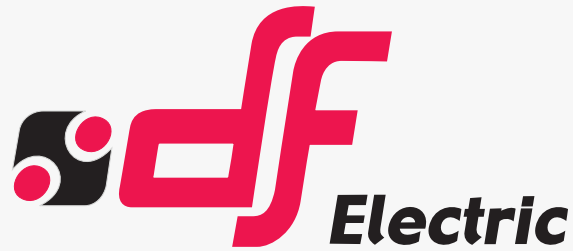
FIG. 7 | Screw's protection accessory

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

485656 SCREW'S PROTECTION ACCESSORY

Manual assembly





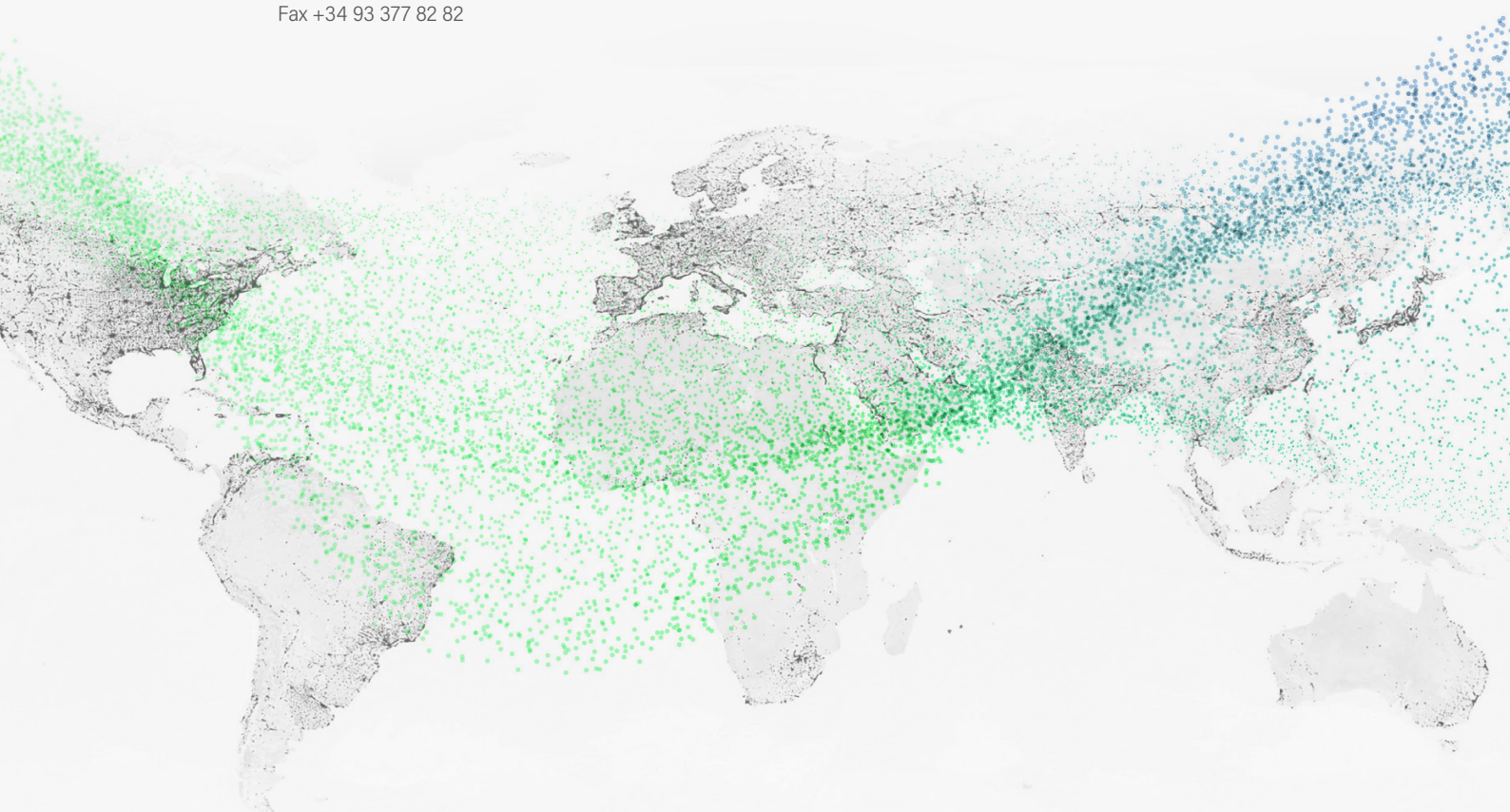
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