





PHOTOVOLTAIC

PMX 1000V DC

PV fuse holder for cylindrical fuse links































RATED CURRENT 32A

RATED VOLTAGE 690V AC 1000V DC

MAXIMUM POWER DISSIPATION 4W

PROTECTION INDEX

STANDARDS
IEC/EN 60269-1
IEC/EN 60269-2
UL 4248-1
UL 4248-19
UL 486E
CSA C22.2 № 4248-1
CSA 22.2 № 65





Modular fuse holders that offer 1000V DC rated voltages

Modular fuse holder for cylindrical fuse link size 10x38 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.





Extended range of accessories is available.

UL certification (File E359201). CSA certification (File 221680).





Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
480005	PINS FOR MULTIPOLE ASSEMBLY	12
485050	HANDLE TIES FOR MULTIPOLE ASSEMBLY	12
485051	LOCK ACCESORY	5
485052	SPECIAL IP20 PROTECTION ACCESSORY	24
485053	PHASE SEPARATOR ACCESORY	12
485056	REPLACEMENT FUSING INDICATOR 1000V DC	12
485656	SCREWS PROTECTION ACCESSORY	20

Range

REFERENCE	INDICATOR	POLES	MODULES	PACKING Uni /BOX
485150 ((B ₂ –	1P	1	12/192
485151 (4)	<u> </u>	2P	2	6/96
485152 (4)	P . •	1P	1	12/192
485153 (l)	P . •	2P	2	6/96











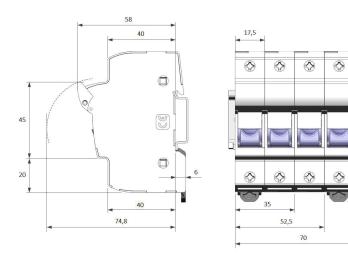
88,8

Technical data

Rated current	33	2A
Rated voltage	690V AC 1000V DC	
Maximum power dissipation	4W	
Power dissipation per pole	80% In > 0,27W 100% In > 0,43W	
Utilization category as per EN 60947-3	690V > AC-21B 1000V DC > DC-20B	
Pollution degree	3	
Protection index *	IP20	
Rated impulse withstand voltage	6kV U imp -20°C 70°C -40°C 80°C	
Ambient temperature of service		
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} I _D 0,8 × I _D
Derating by number of poles Correction of the admissible current	POLES 1 4 5 6 7 9	I _{MAX} I _D 0,8 × I _D 0,7 × I _D
Derating by number of poles	POLES 1 4 5 6 7 9 ≥ 10	I _{MAX} I _I 0,8 x I _I 0,7 x I _I 0,6 x I _I
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 ≤ 6mm² is necessary the use of the accessory to guarantee IP20 in clamps zone. ► FIG. 4

Dimensions



Weight

1P	57gr
2P	114gr

Weight without packing

Standards

IEC/EN 60269-1
IEC/EN 60269-2
UL4248-1 Fuse holders
UL4248-19 Photovoltaic fuse holders
UL486E Wiring terminals
CSA C22.2 N° 4248-1 Fuse holder assemblies
CSA 22.2 N° 65 Wire connectors

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

Connecting wire

WIRES	METRIC	AWG	WIRING
1	0,7516mm ² Solid / Stranded	814 AWG Solid / Stranded	
2	0,7510mm ² Solid	814 AWG Solid	10mm±1
Same cross section and type	0,756mm ² Stranded	1014 AWG Stranded	

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	22,5 Nm 1822 lb.in	
Screws with a combined head	SLOT + PZ2	
Multipolar assembly	▶FIG. 1	
Fuse holders with fuse indicator	NEON VERSION 3501000V DC	
Special zone for sealing	1,5 mm ² wire	
Label holder for a better circuit identification	► FIG. 2 Suitable size for label:11x9 mm	
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, 2 clips and 1 pin for each union between poles

480005 PINS FOR MULTIPOLE ASSE485050 HANDLE TIES FOR MULTIPOLE ASSEMBLY



FIG. 2 | Identification by label

Open the label holder part with the fuse holder closed, put on the label and close it



Label measures 11x9mm











Accessories

FIG. 3 | Lock of the fuse holder

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

485051

LOCK ACCESORY



OPEN FUSE HOLDER

PMX lock accessory prevents the unauthorized use of thew fuse holder







is locked.





FIG. 4 | Special IP20 protection

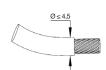
The accessory mut be positioned in the wire entries, if it's neccesary to achieve the IP20 degree of protection with thin wires $\,$

485052

SPECIAL IP20 PROTECTION ACCESSORY

Manual assembly





To obtain an IP20 rating with cable protection of $\emptyset \leq 4.5$ mm, use the special protection accessory

FIG. 5 | Phase separators accessory

The accessory increases the distance between phases in multipolar asemblies

485053 PHASE SEPARATOR ACCESORY













Accessories

FIG. 6 | Screw's protection accessory

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

485656

SCREW'S PROTECTION ACCESSORY

Manual assembly



FIG. 7 | 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. 8 | Fusing indicator replacement instructions

1

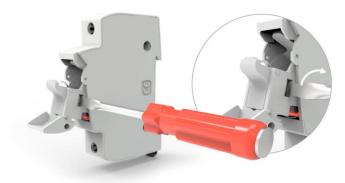
Open the fuse holder





2

Using a flat screwdriver, remove the cover with a slight rotation of the tool



3

Replace the fusing indicator. Enter the cover on the handle with a slight angle







PROTECTING THE WORLD

















HEAD OFFICE AND FACTORY

SILICI, 67-69 08940 CORNELLA DE LLOBREGAT BARCELONA · SPAIN Tel. +34 93 377 85 85 Fax +34 93 377 82 82

INTERNATIONAL SALES

Tel. +34 93 475 08 64 Fax +34 93 480 07 75 export@dfelectric.es

NATIONAL SALES

Tel. 93 475 08 64 Fax 93 480 07 76 comercial@dfelectric.es











According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



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.



The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which they were made.

The products described in this document have been designed, developed and tested in accordance with specific standard. They are considered components that are integrated as part of installation, machine or equipment. The correct general operation of the referred product is responsibility of the manufacturer of the installation, machine or equipment.

DF ELECTRIC cannot guarantee the characteristics of an installation, machine or equipment that has been designed by a third party. Once a product has been selected, the user must verify that it is appropriate for its application, through the verifications and/or tests that it

DF ELECTRIC retains the right to change the dimensions, specifications, materials or design of its products at any time with or without notice.

©2023 DF Electric. All rights reserved