df Electric

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES



PMX

industrial modular fuse holders for cylindrical fuse links

PMX 14x51



PROTECTING THE WORLD

dfelectric.es



PMX

industrial modular fuse holders
for cylindrical fuse links

CYLINDRICAL

14x51

14x51

RATED CURRENT
50A

RATED VOLTAGE
690V AC
750V DC

MAXIMUM POWER DISSIPATION
6W

PROTECTION INDEX
IP20

STANDARDS
IEC/EN 60269-1
IEC/EN 60269-2
UL4248-1
UL486E
CSA C22.2 Nº 4248-1
CSA 22.2 Nº 65



PATENTED DESIGN

Industrial modular fuse holders for cylindrical fuse links

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.
- Plastic materials with high temperature resistance and self-extinguishable.
- All the materials are according to the European Directive RoHS.

RoHS COMPLIANT

halogen free

Extended range of accessories is available.

UL certification (File E193529).

c UL us

Accessories

REFERENCE	DESCRIPTION	PACKING Uni /BOX
480005	PIN FOR MULTIPOLE ASSEMBLY	12/300
485356	HANDLE TIES FOR MULTIPOLE ASSEMBLY	12/300
485357	TIES FOR MICROSWITCH ASSEMBLY	12/300
485258	LOCK SUPPORT	5
485259	1P MICRO	5
485260	3P MICRO	2
485261	3P - DOUBLE MICRO	2
485262	MICRO 1P EXTENSION	5
485263	MICRO 3P EXTENSION	2
485264	FUSING INDICATOR REPLACEMENT 120/690V AC	3
485265	FUSING INDICATOR REPLACEMENT 24V DC	3
485266	SPECIAL IP20 PROTECTION ACCESSORY	12
485656	SCREWS PROTECTION ACCESSORY	20
485271	SPECIAL SCREW CONNECTION ACCESSORY	12
485272	PRE-BREAKING MODULE	6/90

Range

Un	REFERENCE WITHOUT INDICATOR	REFERENCE WITH INDICATOR	POLES	MODULES	PACKING Uni /BOX
690V AC 750V DC	**485201** c UL us	**485208** c UL us	1P	1,5	6/90
	485202 c UL us	–	N	1,5	6/90
	485203 c UL us	**485209** c UL us	1P + N	3	3/45
	485204 c UL us	**485210** c UL us	2P	3	3/45
	485205 c UL us	**485211** c UL us	3P	4,5	2/30
	485206 c UL us	**485212** c UL us	3P + N	6	1/18
	485207 c UL us	**485213** c UL us	4P	6	1/18
24V DC	–	**485214** c UL us	1P	1,5	6/90
	–	**485215** c UL us	1P + N	3	3/45
	–	**485216** c UL us	2P	3	3/45

Un	WITH MICROSWITCH PREBREAKING FUSING - PRESENCE	WITH MICROSWITCH ONLY FUSION	POLES	MODULES	PACKING Uni /BOX
690V AC 750V DC	**485220** c UL us	**485226** c UL us	1P	1,5	6/90
	485221 c UL us	**485227** c UL us	1P + N	3	3/45
	485222 c UL us	**485228** c UL us	2P	3	3/45
	485223 c UL us	**485229** c UL us	3P	4,5	2/30
	485224 c UL us	**485230** c UL us	3P + N	6	1/18
	485225 c UL us	**485231** c UL us	4P	6	1/18



PMX

industrial modular fuse holders
for cylindrical fuse links

CYLINDRICAL

14x51

Technical data

Rated current	50A
Rated voltage	690V AC | 750V DC IEC 750V AC UL-CSA
Rated power dissipation	5W
Maximum power dissipation	6W
Power dissipation per pole	80% In > 0,52W 100% In > 0,88W
Utilization category as per EN 60947-3	AC-22B 500V AC-21B 690V
Pollution degree	3
Protection index ▸FIG. 5	IP20
Rated impulse withstand voltage	6kV U imp
Withstand rating (SCCR)	120kA (industrial fuse link) 200kA (semiconductor fuse link)
Flammability index IEC 60695 GWFI	960°
Ambient temperature of service	-40°C ... 70°C (with carrier operation) -50°C ... 80°C (without carrier operation)
Storage temperature	-50°C ... 80°C

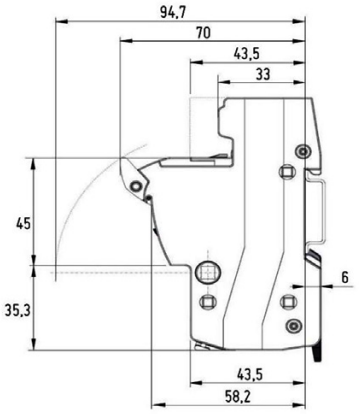
Derating by number of poles

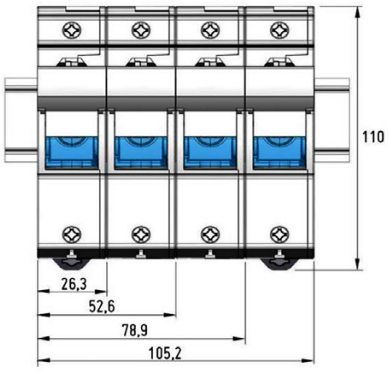
POLES	Derating factor of current
1 ... 4	1
5 ... 7	0,95
≥ 8	0,9

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

	STANDARD | WITH INDICATOR	WITH MICROSWITCH
1P	101gr	107gr
N	110gr	–
1P + N	211gr	217gr
2P	202gr	214gr
3P	303gr	321gr
3P + N	413gr	431gr
4P	404gr	428gr

Weight without packing

Standards

IEC/EN 60269-1
IEC/EN 60269-2
UL4248-1 Fuse holders
UL486E Wiring terminals
CSA C22.2 Nº 4248-1 Fuse holder assemblies
CSA 22.2 Nº 65 Wire connectors

Certifications



PMX

industrial modular fuse holders
for cylindrical fuse links

CYLINDRICAL

14x51

Application characteristics

For mounting on DIN/EN standard rail	DIN 46277/1-3 (EN50022) Clip fixation with 2 positions

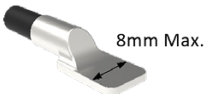
Connecting wire
Copper wires only

WIRES	METRIC	AWG	WIRING
1	1,5…35mm² Solid 1,5…25mm² Stranded	8…..16 AWG Solid 6…..16 AWG Stranded	
2 Same cross section and type	1,5…16mm² Solid 1,5…10mm² Stranded	6…..16 AWG Solid / Stranded	

Wire-end terminals

The use of wire-end terminals may allow to increase theconnecting 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	2,5...3 Nm 22...27 lb.in
Screws with a combined head	SLOT + PZ2
Multipolar assembly	▸FIG. 1
Fuse holders with fuse indicator	**NEON** 230...690V AC **LED** 12...24V DC 30...60V DC
Fuse holders with microswitch 5A - 250V Both versions delivered with 3 pre-insulated terminals (fast-on 2,8 x 0,5)	NC(Normally closed) NO(Normally Open) contacts 1. Fusing + pre-breaking + fuse link detection 2. Only fusion · Only detection of fuse link operation · Also as accessory mounted on standard fuse holders ▸FIG. 3
Special zone for sealing	Ø1,5 mm wire
Label holder for a better circuit identification	▸FIG. 2 Suitable size for label:16x10 mm
Accessory available to lock the fuse holder by a padlock	▸FIG. 4 (max. 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	HANDLE TIES FOR MULTIPOLE ASSEMBLY
485357	TIES FOR MICROSWITCHES ASSEMBLY

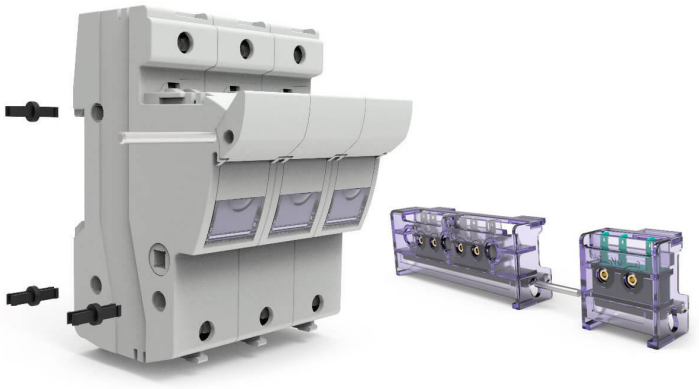
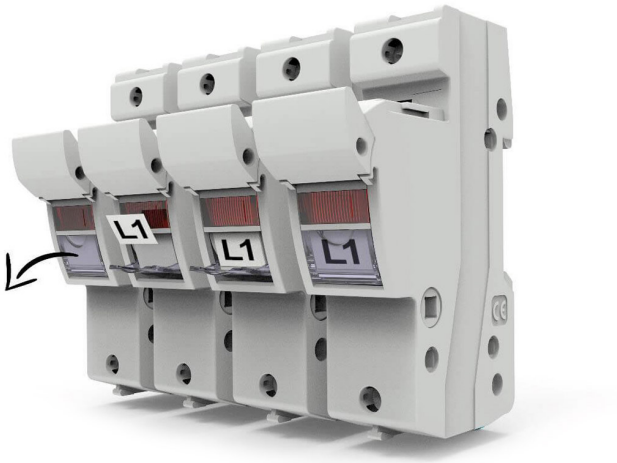


FIG. 2 | Identification by label

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



Label measures **16x10mm**



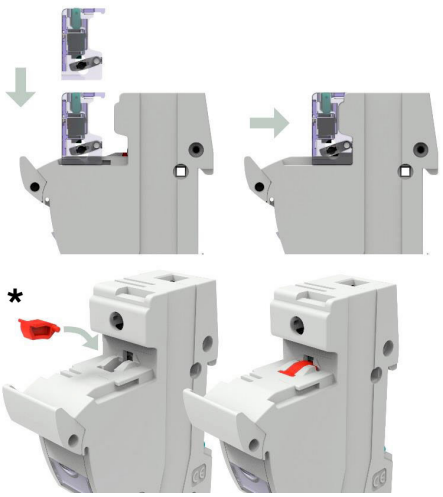
Accessories

FIG. 3 | Microswitch mounting

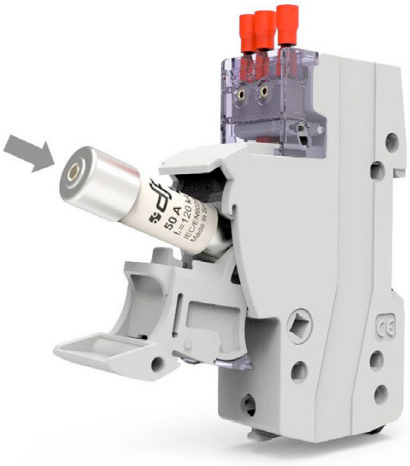
Put on the microswitch on the guides, and push in horizontal movement to the final position.

* For Only Fusion accessory, first mount the lifter in his place.

485259	1P MICRO
485260	3P MICRO
485261	3P - DOUBLE MICRO
485262	1P EXTENSION
485263	3P EXTENSION







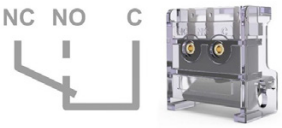
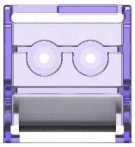


FIG. 3.1 | Extension microswitch accessory

Number of multipolar assemblies allowed with extension accesory microswitch unipolar: **max 2**

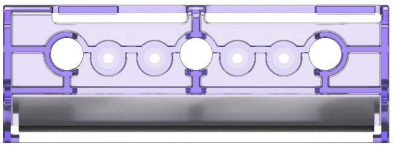
485262	MICRO 1P EXTENSION



x2 max

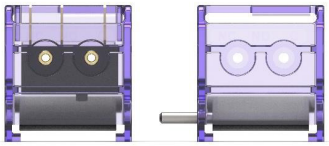
Number of multipolar assemblies allowed with extension accesory microswitch tripolar: **max 1**

485263	MICRO 3P EXTENSION



x1 max

Accessory assembly

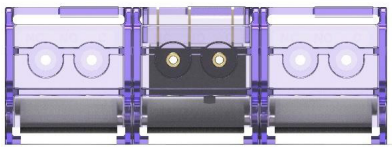


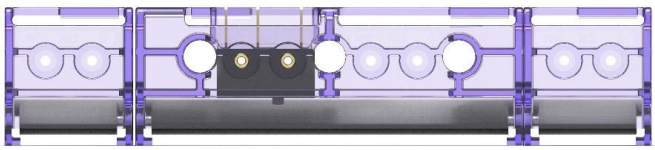
Microswitch

Extension accessory

2 Accessories assembly

Always one to each side of the microswitch







Accessories

FIG. 4 | 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 LOCK SUPPORT

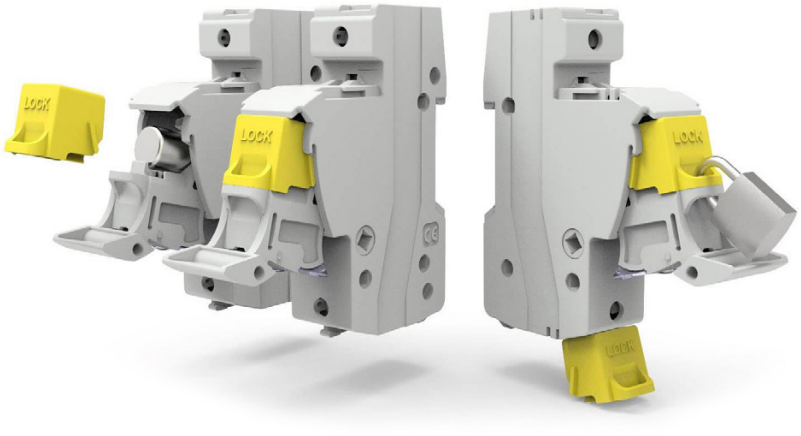
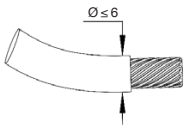


FIG. 5 | Special IP20 protection

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

485266 SPECIAL IP20 PROTECTION ACCESSORY



To obtain an IP20 rating with cable protection of Ø ≤6mm, use the **special protection accessory**

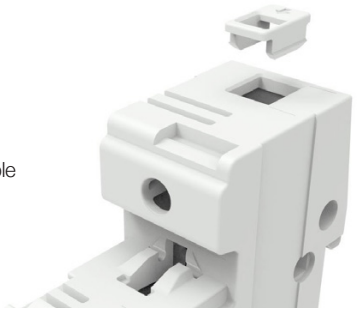


FIG. 6 | Screws protection accessory

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

485656 SCREWS PROTECTION ACCESSORY

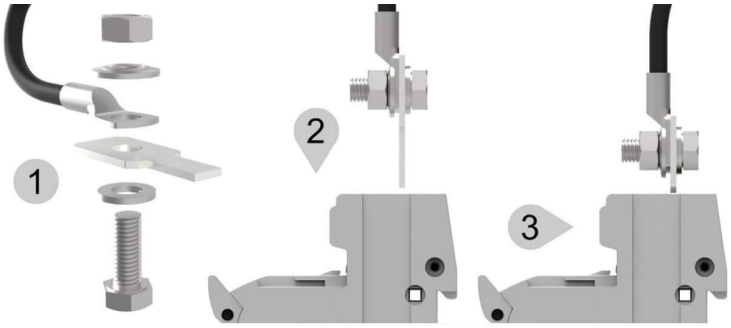




Accessories

FIG. 8 | Special screw connection accessory

485271	SPECIAL SCREW CONNECTION ACCESSORY



1
Mount the accessory in the wire (6Nm)

2
Wiring in the fuse holder

3
Apply tightening torque (2,5...3 Nm)

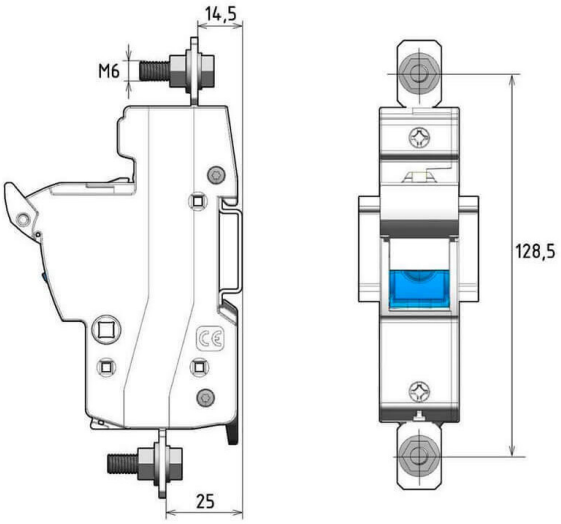


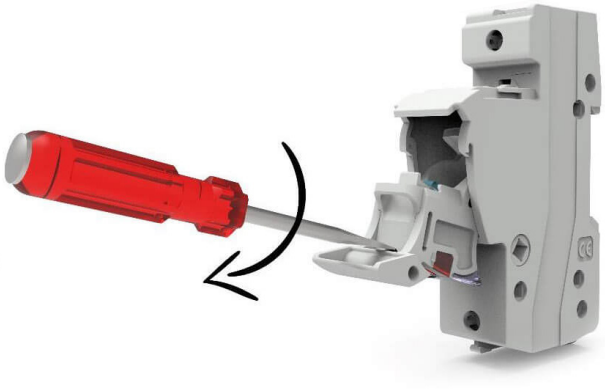
FIG. 9 | Fusing indicator replacement instructions

485264	FUSING NEON INDICATOR REPLACEMENT 120/690V AC
485265	FUSING INDICATOR REPLACEMENT 24 VDC

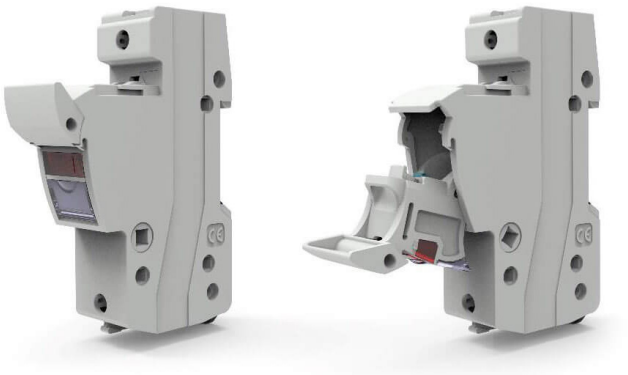
1
Open the fuse holder



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

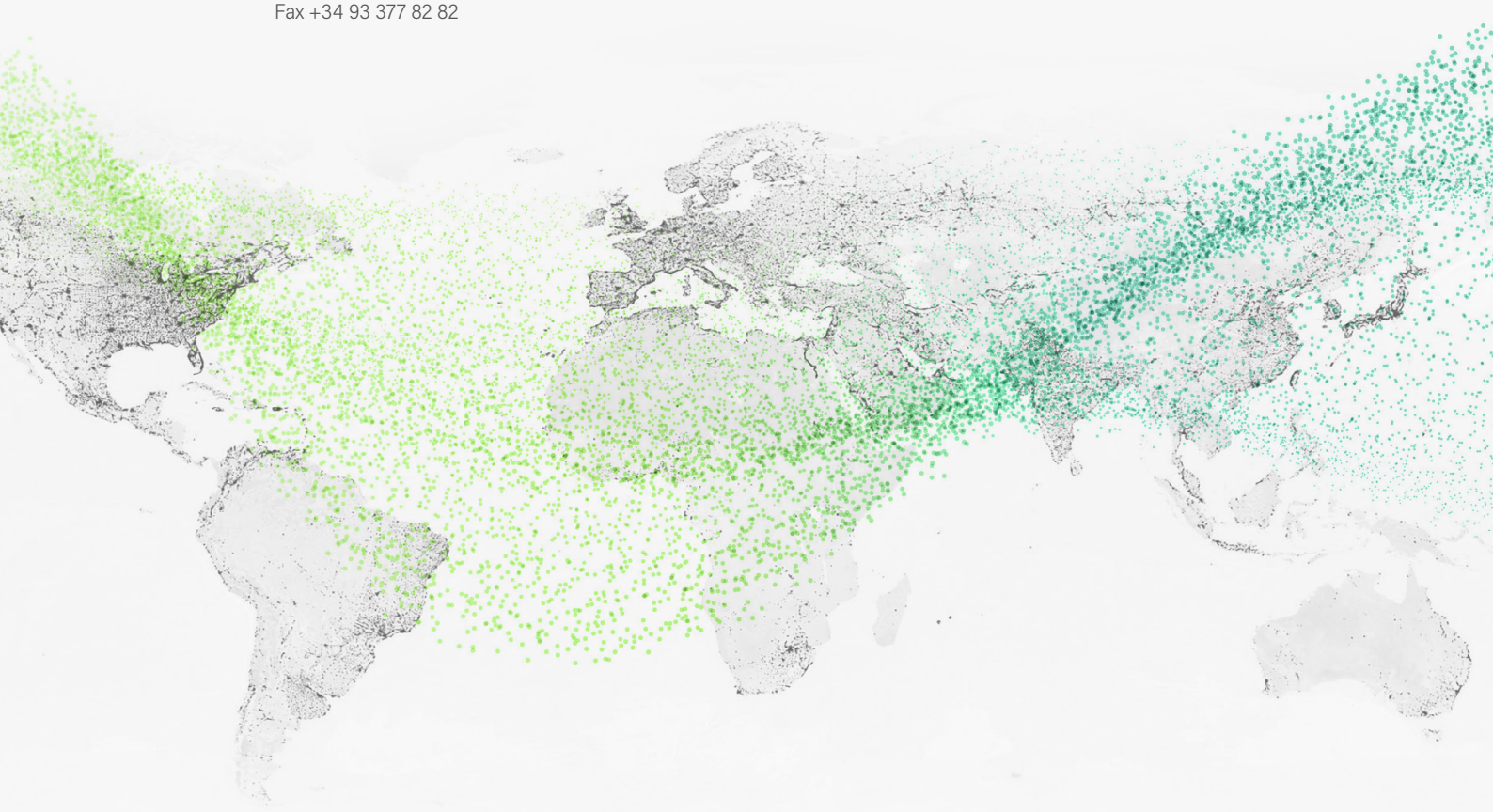


PROTECTING THE WORLD

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



dfelectric.es

FABRICADO EN ESPAÑA
MADE IN SPAIN

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 deems appropriate.

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

©2026 DF Electric. All rights reserved