

# PHOTOVOLTAIC

FUSE LINKS & FUSE HOLDERS FOR PHOTOVOLTAIC APPLICATIONS

## NH ST 1000V DC

PV fuse base  
for NH fuse links



**PROTECTING  
THE WORLD**



# NH ST 1000V DC

PV fuse base  
for NH fuse links



PHOTOVOLTAIC

**HORUS**  
PHOTOVOLTAIC  
PROTECTION



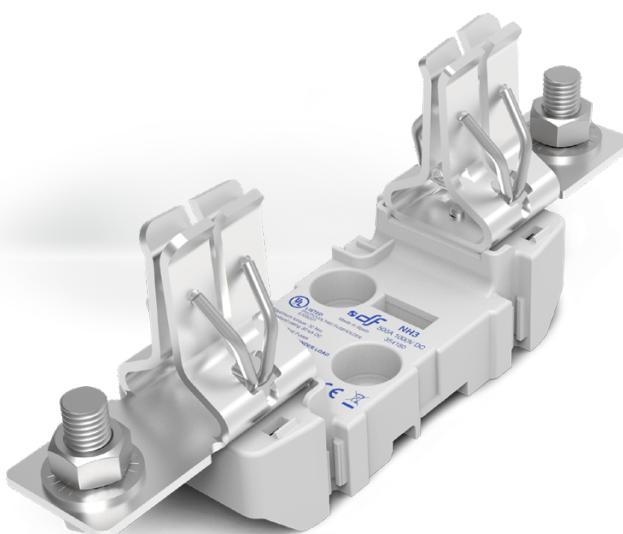
RATED CURRENT  
500A

RATED VOLTAGE  
1000V DC

MAXIMUM POWER DISSIPATION  
60W

PROTECTION INDEX  
IP00  
IP20

STANDARDS  
IEC/EN 60269-1  
IEC/EN 60269-2  
IEC/EN 60269-6  
UL4248-1  
UL4248-18



## Bases for NH fuse links 1000V DC

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).



For DIN rail mounting or with screw fixing.

Single-phase type.

Connection by screws.

Wide range of accessories that enables IP20 protection index: contact covers, fuse link covers, partition walls.

Multi-pole units can be made with connection accessories.

Manufactured according IEC and EN standards.

UL certification (File E359201)



## Accessories

REFERENCE	DESCRIPTION	PACKING
326630	PARTITION WALL FIXED TO SEPARATORS	2
325630	SEPARATOR MULTIPOLE UNITS SEPARATOR	2
325007	TERMINAL COVER	6
325025	FUSE LINKS COVER	3
357010	MICROSWITCH	1/12
340001	FUSE PULLER	1

### TERMINALS

CROSS SECTION	CABLE	IP20 COMPATIBLE		
(mm <sup>2</sup> )				
343630	240/50	1	YES	3
344630	240/95-50	2	NO	3

## Range

REFERENCE	POLES	FIXING	CONNECTION	PACKING
354180	1P	DIN RAIL/SCREW	SCREW	1



## Technical data

<b>Rated current</b>	500A												
<b>Rated voltage</b>	1000V DC												
<b>Maximum power dissipation</b>	60W												
<b>Breaking capacity</b>	allows fuse links with breaking capacity <b>up to 120kA</b>												
<b>Protection index</b>	IP00 / IP20												
<b>Ambient temperature of service</b>	-20°C ... 70°C												
<b>Storage temperature</b>	-40°C ... 80°C												
<b>Correction of the admissible current in function of the temperature</b>	<table> <tr> <td>20° C</td> <td>1</td> </tr> <tr> <td>30° C</td> <td>0,95</td> </tr> <tr> <td>40° C</td> <td>0,90</td> </tr> <tr> <td>50° C</td> <td>0,80</td> </tr> <tr> <td>60° C</td> <td>0,70</td> </tr> <tr> <td>70° C</td> <td>0,60</td> </tr> </table>	20° C	1	30° C	0,95	40° C	0,90	50° C	0,80	60° C	0,70	70° C	0,60
20° C	1												
30° C	0,95												
40° C	0,90												
50° C	0,80												
60° C	0,70												
70° C	0,60												



DO NOT OPERATE UNDER LOAD

## Standards

**IEC/EN 60269-1**  
**IEC/EN 60269-2**  
**UL4248-1** Fuse holders  
**UL4248-19** Photovoltaic fuse holders

## Certifications



## Application characteristics

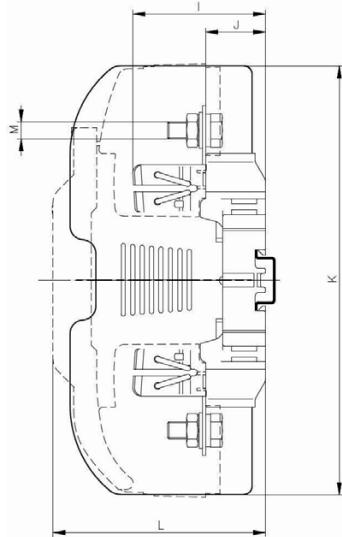
<b>Mounting</b>	DIN Rail / Screws
<b>Connecting wire</b>	M12
<b>Maximum tightening torque on terminals</b>	32 Nm
<b>Maximum tightening torque fuse holder fixation with screws</b>	12 Nm
<b>Multipolar assembly</b>	<b>► FIG. 1</b>
<b>Partition walls</b>	If several fuseholders are installed near each other in row, it will be necessary to use partition walls or to separate them <b>8mm as minimum</b>

## Materials

<b>Contacts</b>	Silver plated copper
<b>Body</b>	Thermoplastic, high resistance to temperature Flammability: (UL94) VO Glow wire test: (IEC-60695) 960°C
<b>Partition walls</b>	Thermoplastic, high resistance to temperature Flammability: (UL94) VO NH3: Phenolic resin laminated
<b>Separators</b>	Thermoplastic, high resistance to temperature Flammability: (UL94) VO
<b>Terminal covers</b>	Thermoplastic, high resistance to temperature Flammability: (UL94) VO Glow wire test: (IEC-60695) 960°C
<b>Fuse links covers</b>	Thermoplastic, high resistance to temperature Flammability: (UL94) V2 Glow wire test: (IEC-60695) 850°C

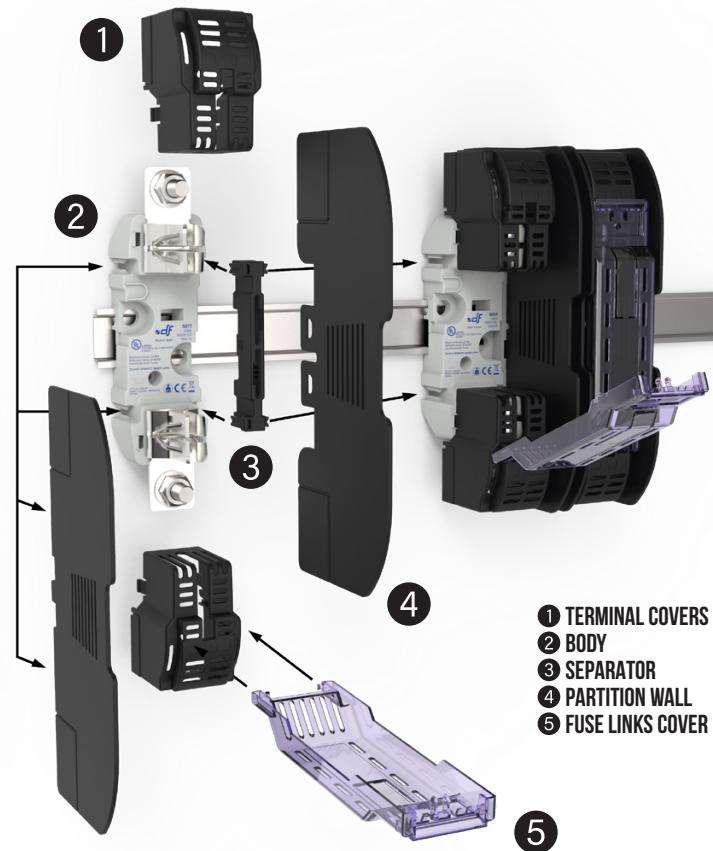


## Dimensions



A	B	C	D	E	F	G	H	I	J	K	L	M
240	210	60	38	30	25	10,5	20	97	35	270	143	M12

## Accessories assembly



## Weight

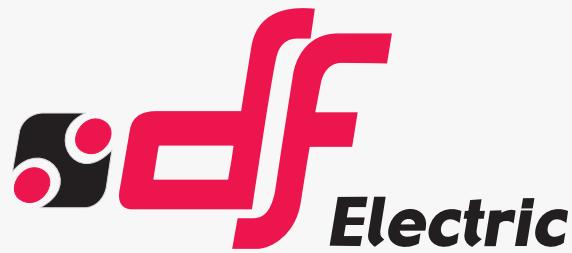
1P

630gr

Weight without packing

The fuse holder allows using simultaneously a microswitch for NH fuse links and IP20 protection accessories





# PROTECTING THE WORLD

## HEAD OFFICE AND FACTORY

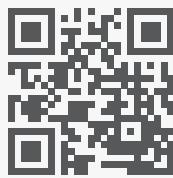
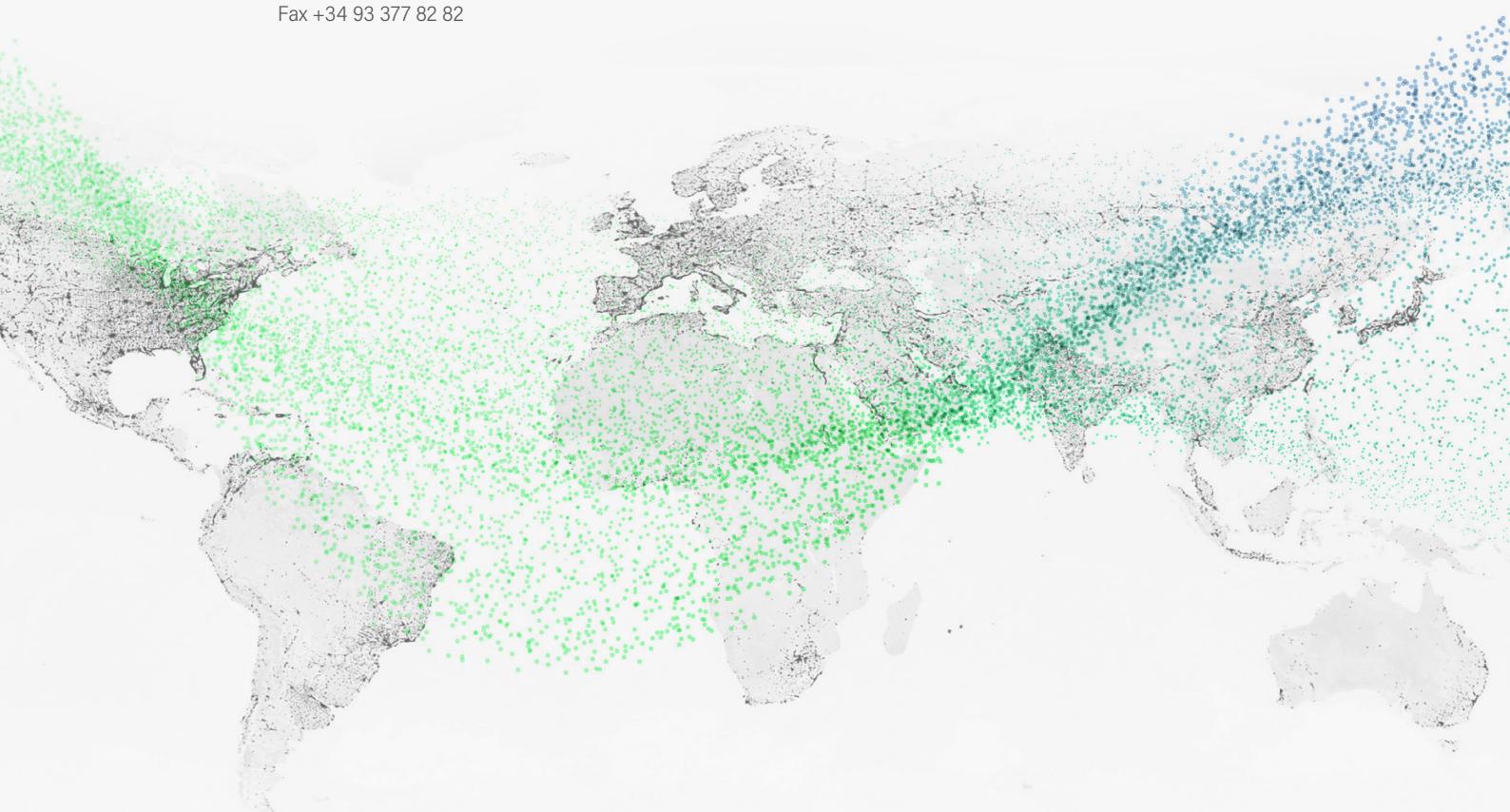
SILICI, 67-69  
08940 CORNELLA DE LLLOBREGAT  
BARCELONA · SPAIN  
Tel. +34 93 377 85 85  
Fax +34 93 377 82 82

## 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](http://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 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.

