df Electric

HORUS PHOTOVOLTAIC PROTECTION

PHOTOVOLTAIC

FUSE LINKS & FUSE HOLDERS FOR PHOTOVOLTAIC APPLICATIONS

gG
NH 800V AC
fuse links

NH NH1

NH00 NHC1 NH1 NH3

PROTECTING THE WORLD

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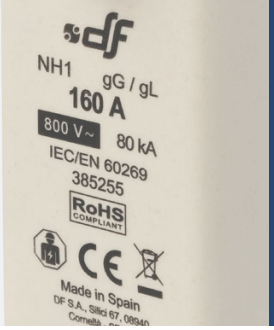


gG
NH 800V AC
fuse links

NH1

PHOTOVOLTAIC

HORUS PHOTOVOLTAIC PROTECTION

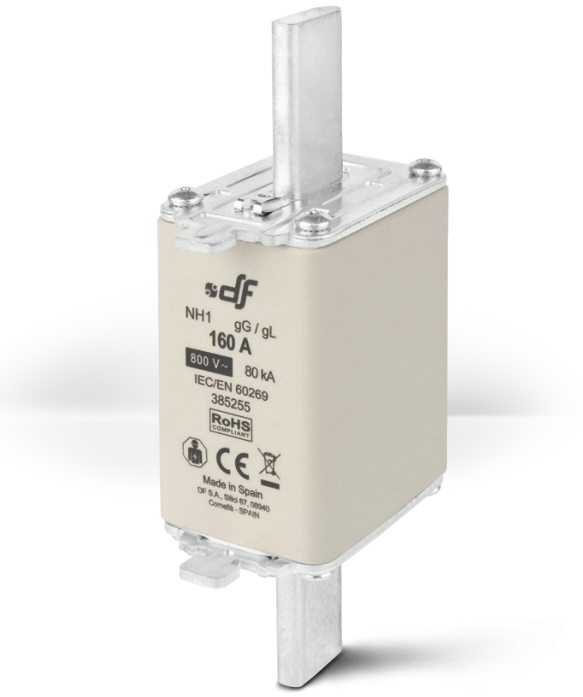
NH1

RATED VOLTAGE
800V AC

RATED CURRENT
80A...200A

BREAKING CAPACITY
80kA

STANDARDS
IEC/EN 60269-1
IEC/EN 60269-2



NH 800V AC fuse links for output side of photovoltaic inverters

These knife type (NH) fuse links with high breaking capacity are intended for protection of the output side of new generation of photovoltaic inverters, with output voltage of 800V AC.

They are gG class and provide protection against overloads and short-circuits with rated voltages up to 800V +10%. The rated breaking capacity is 80 kA. They have a low values of power dissipations.

The range comprises the following fuse links:

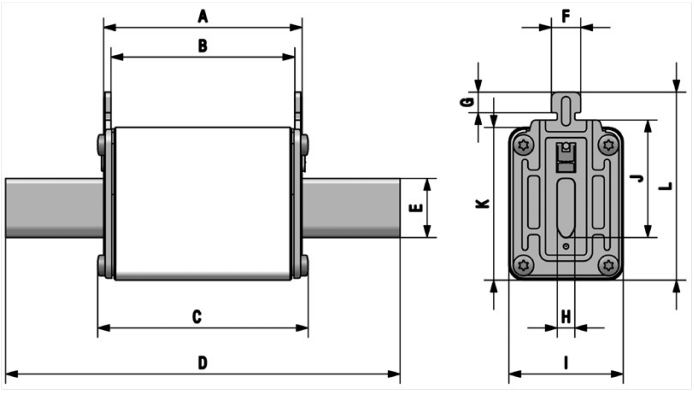
→ **Size NH1 800V AC 80A to 200A**

Manufactured with ceramic body with high withstand to internal pressure and thermal shock, that allows a high breaking capacity. Knife contacts are made of silver plated copper or brass.

They are manufactured according to IEC/EN60269 Standards and comply with RoHS directive.

RoHS COMPLIANT

Dimensions

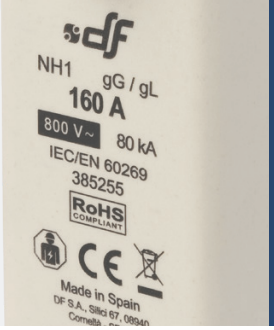


A	B	C	D	E	F	G	H	I	J	K	L
68	62	71,5	135	20	10	9,5	6	39	40	52	64

Weight 380gr

Range

In (A)	REFERENCE	PACKING Uni /BOX
80	**385240**	3/30
100	**385245**	3/30
125	**385250**	3/30
160	**385255**	3/30
200	**385260**	3/30



gG
NH 800V AC
fuse links

NH1

PHOTOVOLTAIC

HORUS PHOTOVOLTAIC PROTECTION

Technical data

Rated voltage	800V AC +10%
Rated current	80A...200A
Rated breaking capacity	80kA
Utilization category	gG
Rated frequency	42…62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

* For ambient temperatures higher than 25ºC it is necessary to apply a derating in maximum current.

Standards

IEC/EN 60269-1
IEC/EN 60269-2
RoHS Compliant

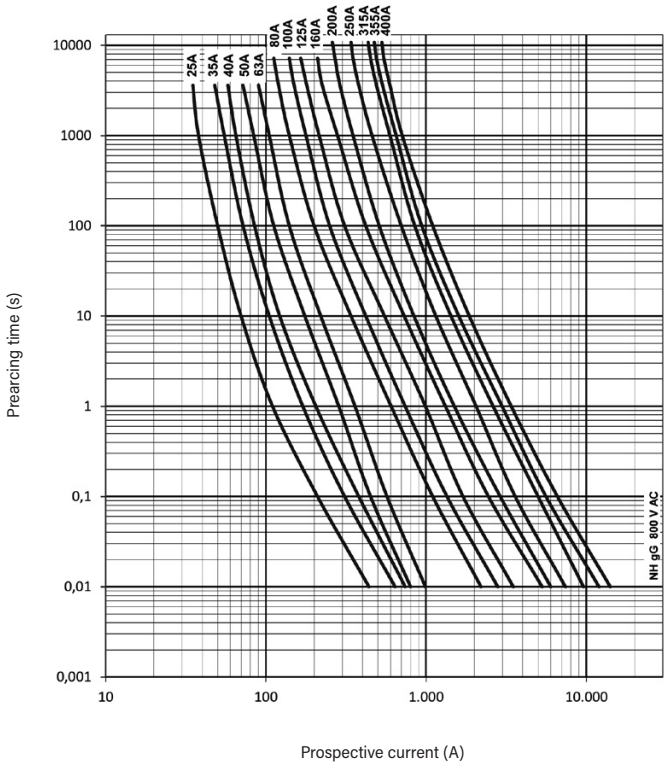
Materials

Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

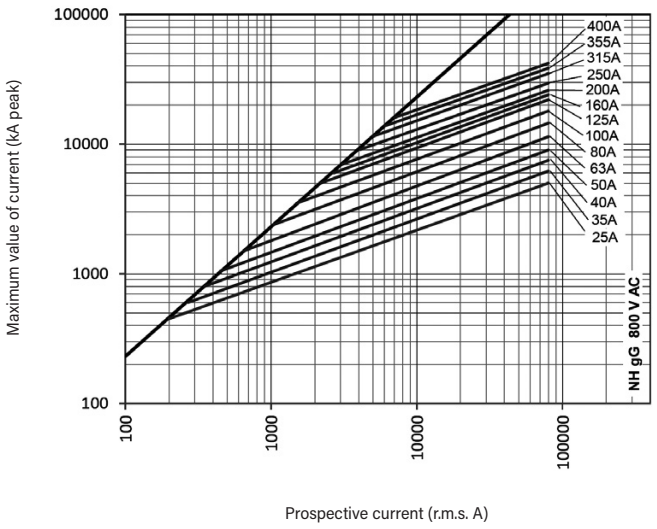
Power dissipation

I_n	PREARCING I^2t	OPERATING I^2t	POWER DISSIPATION
(A)	(A^2S)	(A^2S 800V ~)	(W)
80	16550	33855	10
100	32430	66355	12
125	59730	122215	14
160	95300	195000	18
200	108000	256350	23,5

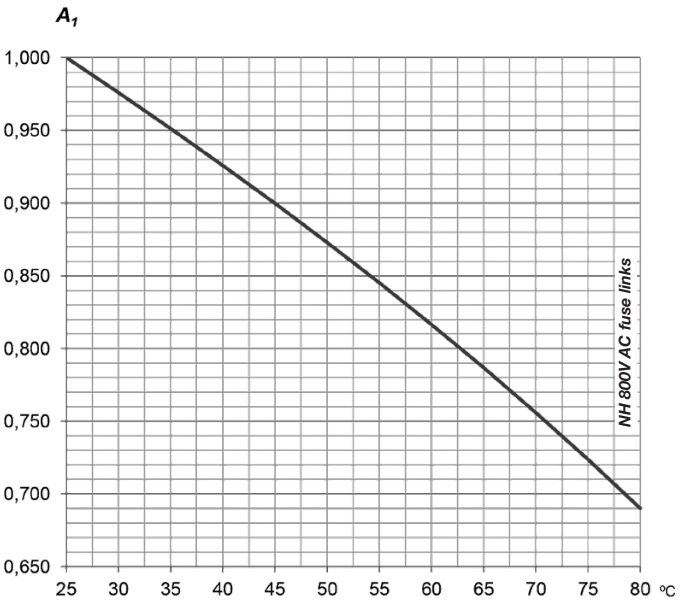
t-I characteristics



Cut-off characteristics



Ambient temperature derating factor



t_a (°C)	A_1
25	1,00
30	0,98
35	0,95
40	0,93
45	0,90
50	0,87
55	0,84
60	0,82
65	0,79
70	0,76
75	0,72
80	0,69

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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.

RoHS COMPLIANT

AENOR ER-0209/1/98 ISO 9001

AENOR CGM-04/522 ISO 14001

CERTIFIED IQNet MANAGEMENT SYSTEM

PROTECTING THE WORLD

FABRICADO EN ESPAÑA MADE IN SPAIN