

NH KNIFE-BLADE

FUSE LINKS & FUSE BASES

gG NH 400V

fuse links



PROTECTING THE WORLD



RATED VOLTAGE
400V

RATED CURRENT
315A...630A

BREAKING CAPACITY
120kA

STANDARDS

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



Knife type NH gG 400V fuse links with top indicator

These high breaking capacity fuse links are intended for protection of power lines and equipment, against overloads and short-circuits with rated voltages up to 400V AC (+10%).

The rated breaking capacity is 120 kA.

Reduced values of power loss.

Compact versions in low rated currents.

The range comprises the following fuse links:

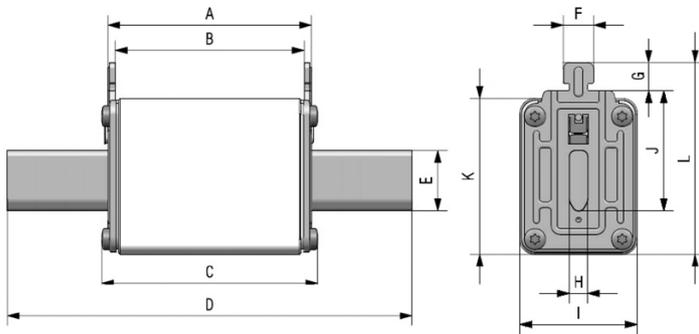
- Size NHC3 gG 500V 315A to 400A
- Size NH3 gG 500V 500A and 630A

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.



Dimensions



	A	B	C	D	E	F	G	H	I	J	K	L
NHC3	68	62	71,5	150	25	10	9,5	6	53	60	60	84
NH3	68	62	73	150	32	10	9,5	6	70	60	75	87

Weight NHC3: 630gr | NH3: 1,02kg

Range

	I_n (A)	REFERENCE	PACKING Uni /BOX
NHC3	315	380445	3/18
	355	380450	3/18
	400	380455	3/18
NH3	500	380465	3/18
	630	380470	3/18



Technical data

Rated voltage	400V AC +10%
Rated current	315A...630A
Rated breaking capacity	120kA
Operating class	gG
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

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

Standards

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



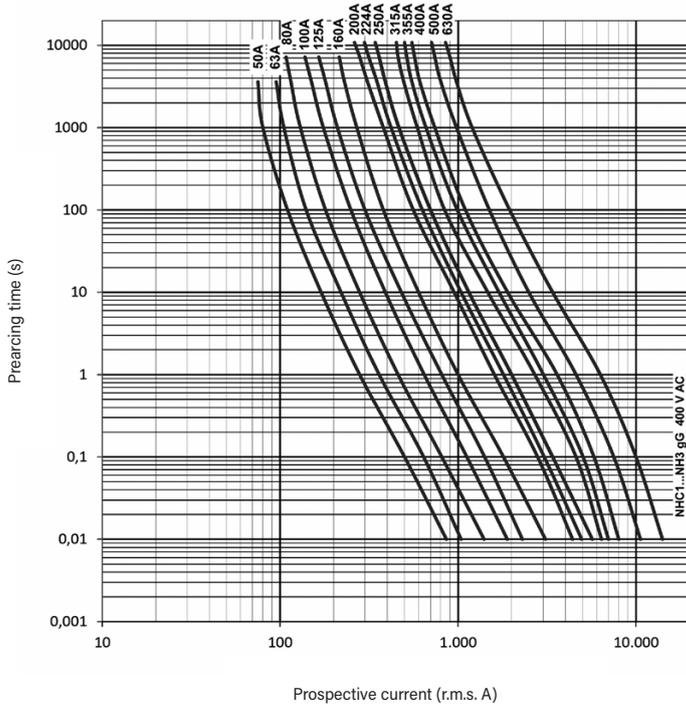
Materials

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

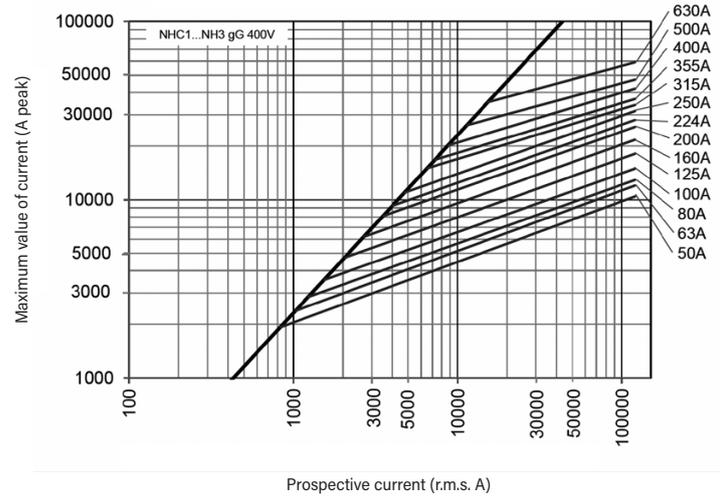
Power dissipation

	I_n (A)	POWER DISSIPATION (W)	PREARcing I_t^2 (A ² s)	TOTAL I_t^2 230V (A ² s)	TOTAL I_t^2 400V (A ² s)
NHC3	315	19,5	421200	526600	621100
	355	22,2	533100	666500	786100
	400	25,5	796400	995650	1174300
NH3	500	32,0	958700	1411000	1877500
	630	38,5	1870600	2753000	3663200

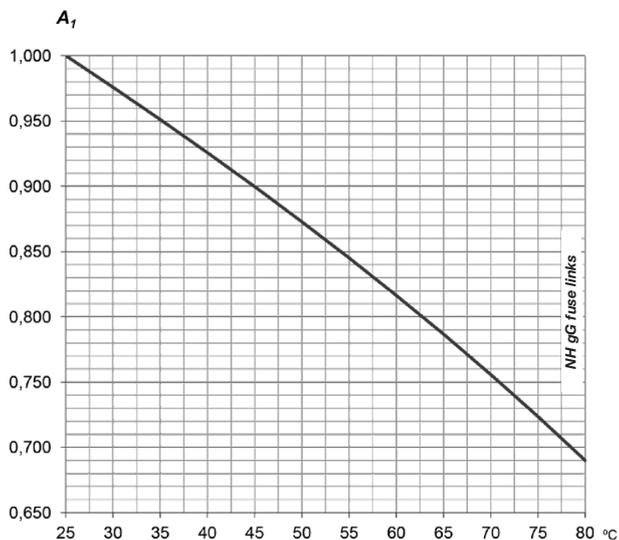
t-I characteristics



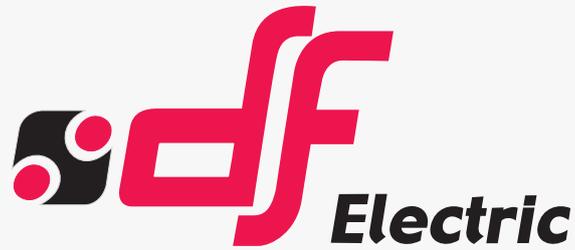
Cut-off characteristics



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



PROTECTING THE WORLD

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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.

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