

NH KNIFE-BLADE

FUSE LINKS & FUSE BASES



gG NH 400V

fuse links



PROTECTING THE WORLD



RATED VOLTAGE
400V

RATED CURRENT
100A...400A

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:

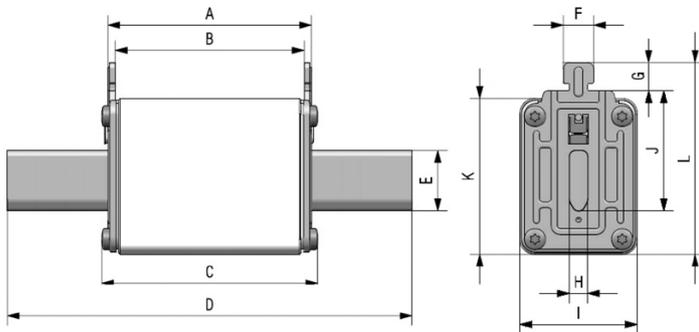
- Size NHC2 gG 400V 100A to 250A
- Size NH2 gG 400V 315A to 400A

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
NHC2	68	62	71,5	150	20	10	9,5	6	39	48	52	72
NH2	68	62	71,5	150	25	10	9,5	6	53	48	60	72

Weight NHC2: 470gr | NH2: 620gr

Range

	I_n (A)	REFERENCE	PACKING Uni /BOX
NHC2	100	380335	3/24
	125	380340	3/24
	160	380345	3/24
	200	380350	3/24
	224	380355	3/24
	250	380360	3/24
NH2	315	380370	3/30
	355	380375	3/30
	400	380380	3/30



Technical data

Rated voltage	400V AC +10%
Rated current	100A...400A
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

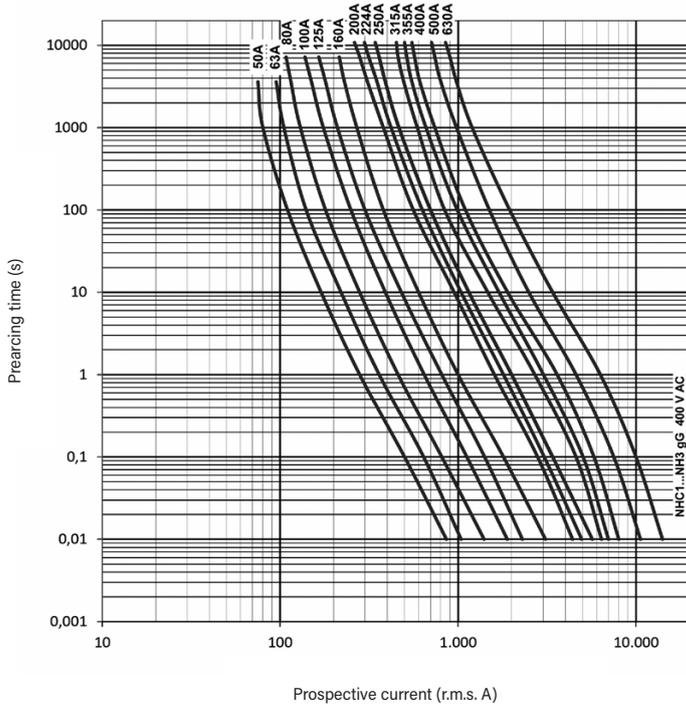
Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

Power dissipation

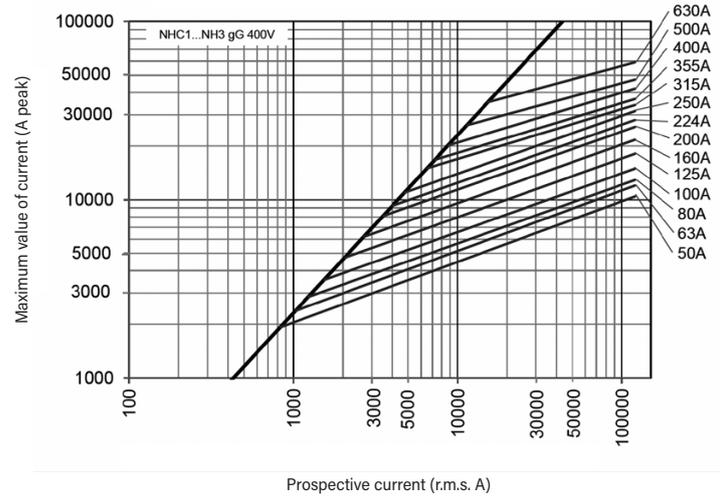
	I_n (A)	POWER DISSIPATION (W)	PREARcing I_t^2 (A ² s)	TOTAL I_t^2 230V (A ² s)	TOTAL I_t^2 400V (A ² s)
NHC2	100	7,7	29800	56140	89650
	125	9,2	49300	78300	110300
	160	12,5	85000	134980	190000
	200	13,9	111550	198100	302850
	224	15,7	145700	258750	395600
	250	17,0	205500	365000	558000
NH2	315	19,9	421200	526600	621100
	355	21,3	533100	666500	786100
	400	25,5	796400	995650	1174300



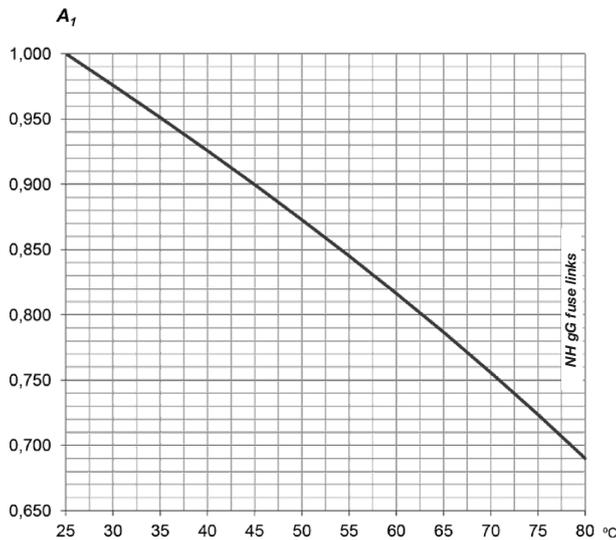
t-I characteristics



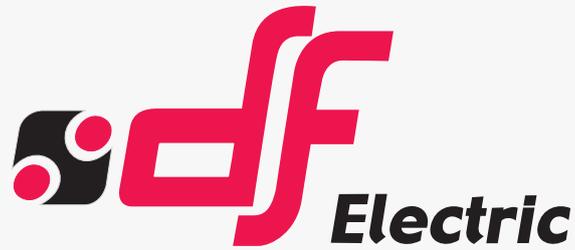
Cut-off characteristics



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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