

NH KNIFE-BLADE

FUSE LINKS & FUSE BASES



gG

NH 400V

fuse links



PROTECTING THE WORLD



RATED VOLTAGE
400V

RATED CURRENT
50A...250A

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:

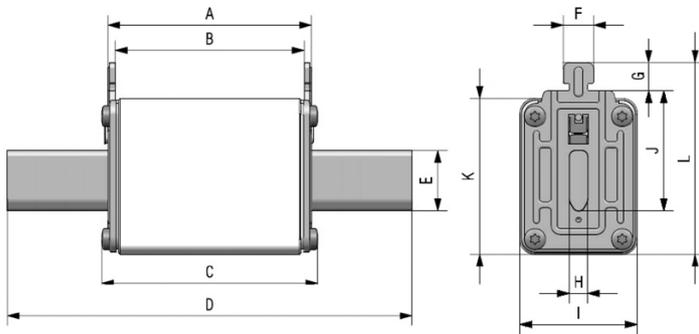
- Size NHC1 gG 400V 50A to 160A
- Size NH1 gG 400V 200A to 250A

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
NHC1	68	62	70,5	135	15	10	9,5	6	29	40	47	64
NH1	68	62	71,5	135	20	10	9,5	6	39	40	52	64

Weight NHC1: 270gr | NH1: 380gr

Range

	I_n (A)	REFERENCE	PACKING Uni /BOX
NHC1	50	380230	3/30
	63	380235	3/30
	80	380240	3/30
	100	380245	3/30
	125	380250	3/30
	160	380255	3/30
NH1	200	380260	3/30
	224	380265	3/30
	250	380270	3/30



Technical data

Rated voltage	400V AC +10%
Rated current	50A...250A
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

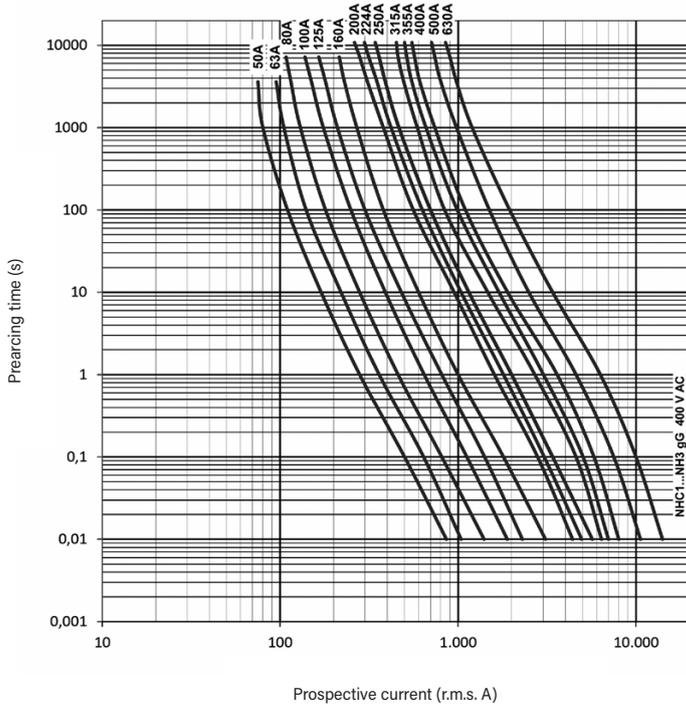
Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

Power dissipation

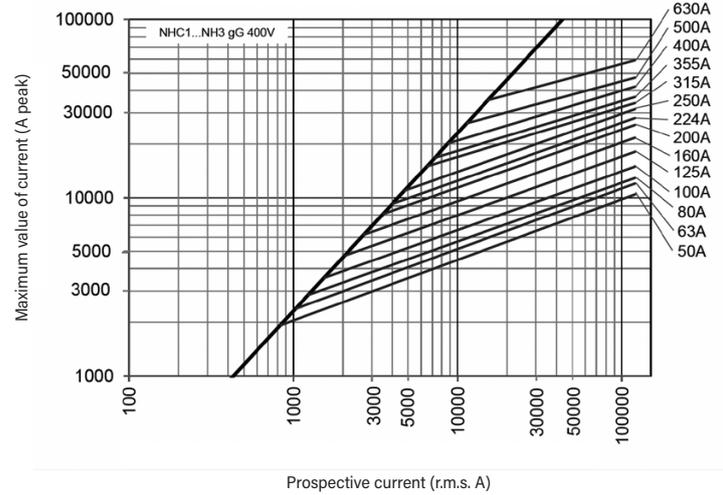
	I_n (A)	POWER DISSIPATION (W)	PREARcing I_t^2 (A ² s)	TOTAL I_t^2 230V (A ² s)	TOTAL I_t^2 400V (A ² s)
NHC1	50	4,6	6430	11100	16660
	63	6,0	9800	16960	25430
	80	6,5	16600	32300	52840
	100	7,8	29800	56140	89650
	125	9,8	49300	78300	110300
	160	13,5	85000	134980	190000
NH1	200	12,5	111550	198100	302850
	224	14,4	145700	258750	395600
	250	15,3	205500	365000	558000



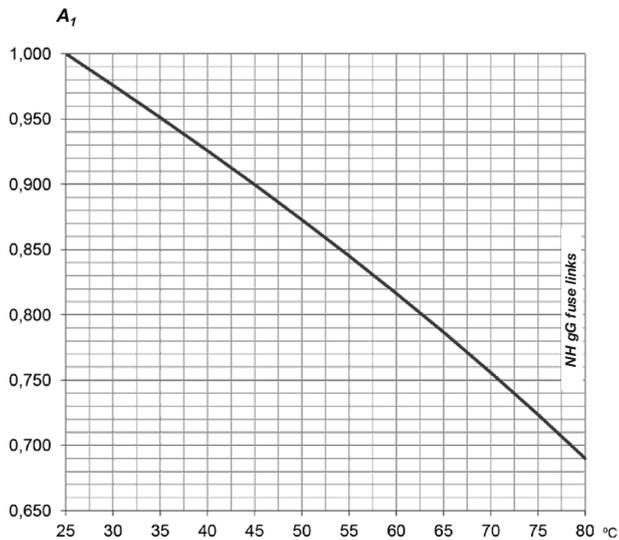
t-I characteristics



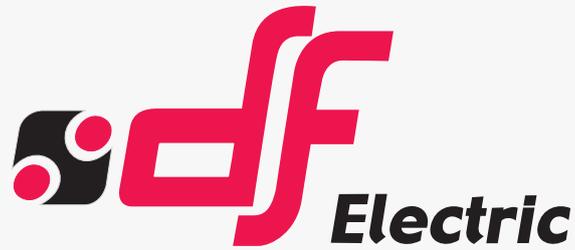
Cut-off characteristics



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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