



# NH KNIFE-BLADE

FUSE LINKS & FUSE BASES

## gG NH 400V

fuse links



## PROTECTING THE WORLD



RATED VOLTAGE  
400V

RATED CURRENT  
10A...100A

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.

The range comprises the following fuse links:

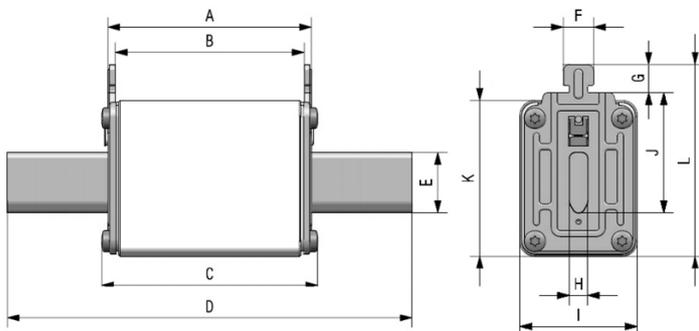
→ Size NH000 gG 400V 10A to 100A

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
49	45	52	78,5	15	10	9,5	6	21	35	40	53

Weight 120gr

## Range

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
10	<b>380015</b>	3/90
16	<b>380020</b>	3/90
20	<b>380025</b>	3/90
25	<b>380030</b>	3/90
32	<b>380035</b>	3/90
35	<b>380040</b>	3/90
40	<b>380045</b>	3/90
50	<b>380050</b>	3/90
63	<b>380055</b>	3/90
80	<b>380060</b>	3/90
100	<b>380065</b>	3/90



## Technical data

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

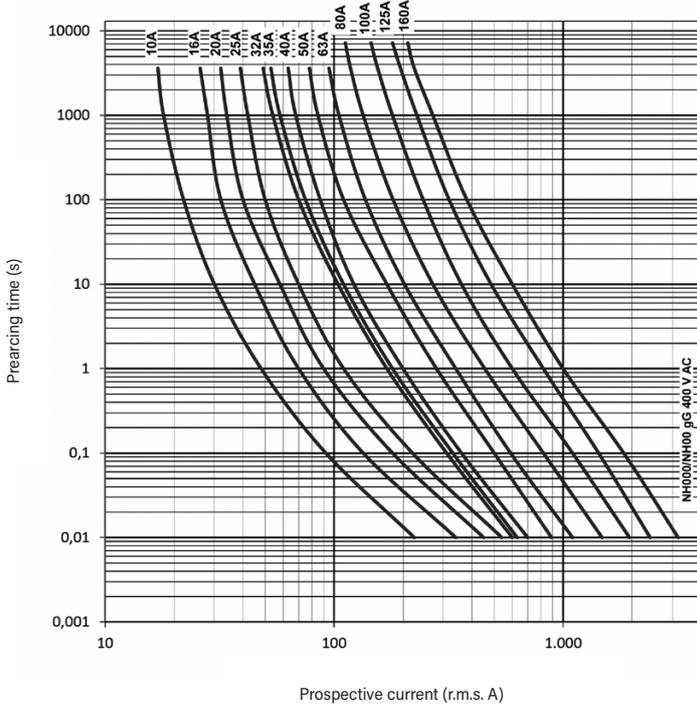
Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

## Power dissipation

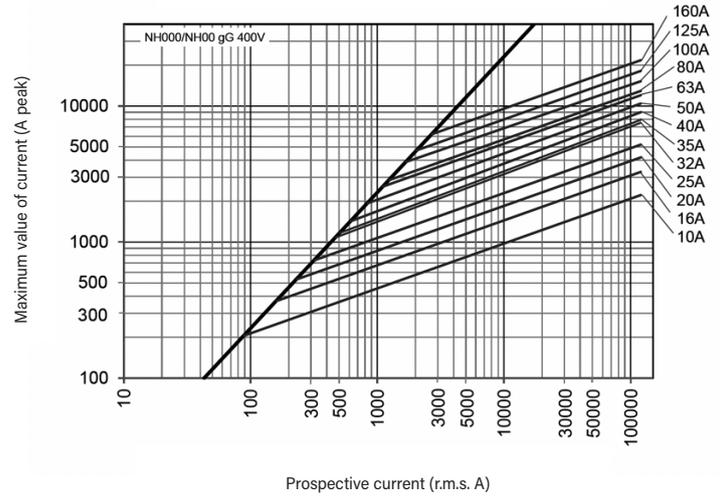
$I_n$	POWER DISSIPATION	PREARcing $I^2t$	TOTAL $I^2t$ 230V	TOTAL $I^2t$ 400V
(A)	(W)	(A <sup>2</sup> s)	(A <sup>2</sup> s)	(A <sup>2</sup> s)
10	1,1	62	150	290
16	1,8	200	490	950
20	2,0	415	1025	1980
25	2,4	800	1950	3800
32	2,9	2670	4050	5500
35	3,2	3100	4700	6380
40	3,5	4570	6920	9400
50	3,7	6430	11100	16600
63	4,6	9800	16960	25430
80	4,9	16600	32300	52840
100	5,5	29800	56140	89650



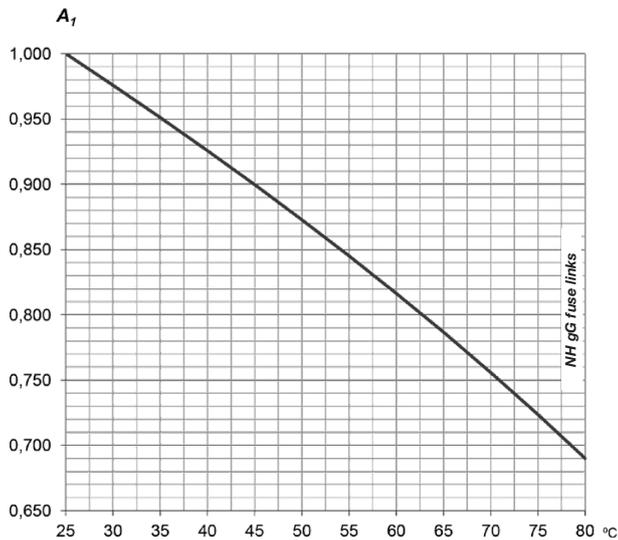
## t-I characteristics



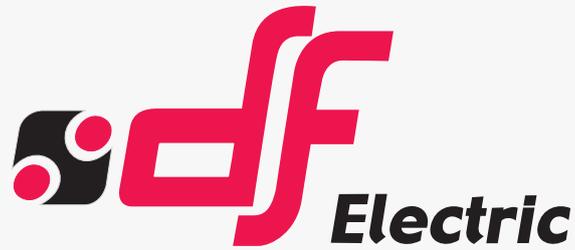
## Cut-off characteristics



## 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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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.



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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.

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