



# gG

## NH 500V

fuse links



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RATED VOLTAGE  
500V

RATED CURRENT  
125A | 160A

BREAKING CAPACITY  
120kA

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



## Knife type NH gG 500V 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 500V AC (+10%).

The rated breaking capacity is 120 kA.

Compact versions in low rated currents of every size.

The range comprises the following fuse links:

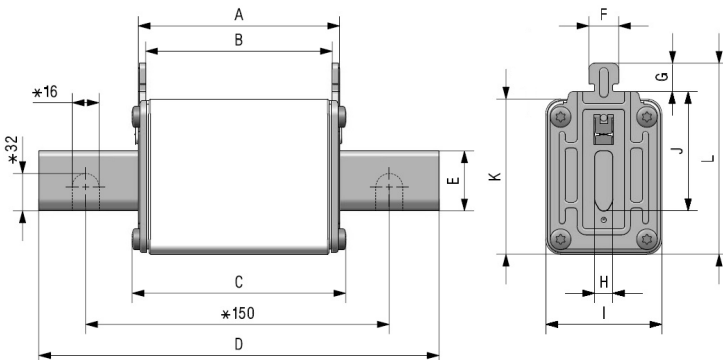
→ Size NH00 gG 500V 125A and 160A

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



\* Only for NH4 fuse links

A	B	C	D	E	F	G	H	I	J	K	L
49	44	52	78,5	15	10	9,5	6	29	35	47	59

Weight 180gr

## Range

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
125	<b>381070</b>	3/60
160	<b>381075</b>	3/60



## Technical data

Rated voltage	500V AC +10%
Rated current	125A   160A
Rated breaking capacity	120kA
Utilization category	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.

## DC Application

RATED CURRENT	MAX DC VOLTAGE	DC BREAKING CAPACITY
125A   160A	250V DC	80kA

## Power dissipation

$I_n$	POWER DISSIPATION	PREARcing $I_t^2$	TOTAL $I_t^2$ 230V	TOTAL $I_t^2$ 400V	TOTAL $I_t^2$ 500V
(A)	(W)	≈ 4 ms (A <sup>2</sup> s)	(A <sup>2</sup> s)	(A <sup>2</sup> s)	(A <sup>2</sup> s)
125	9,0	40500	70900	107301	136895
160	10,3	78400	137000	207711	265000

## Standards

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

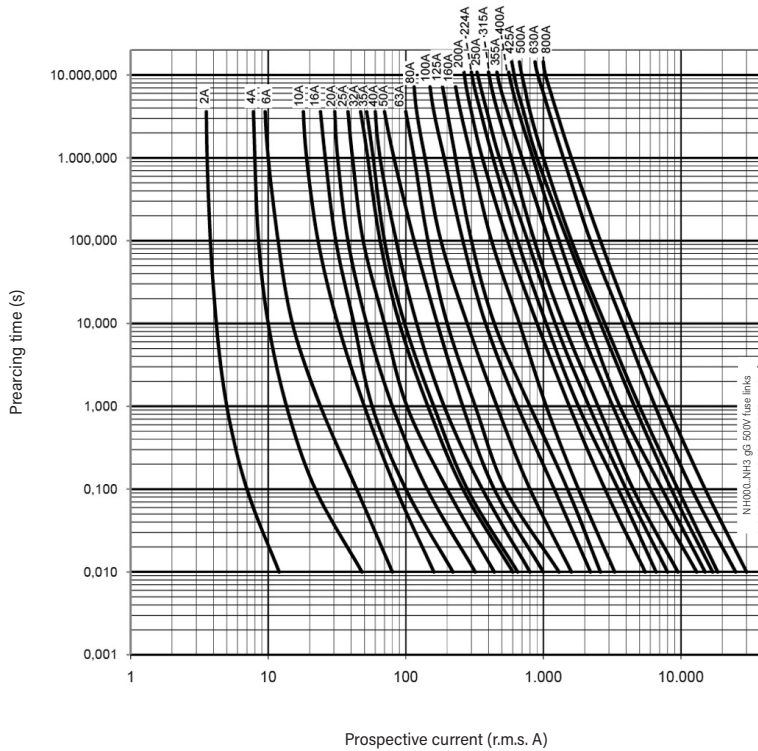


## Materials

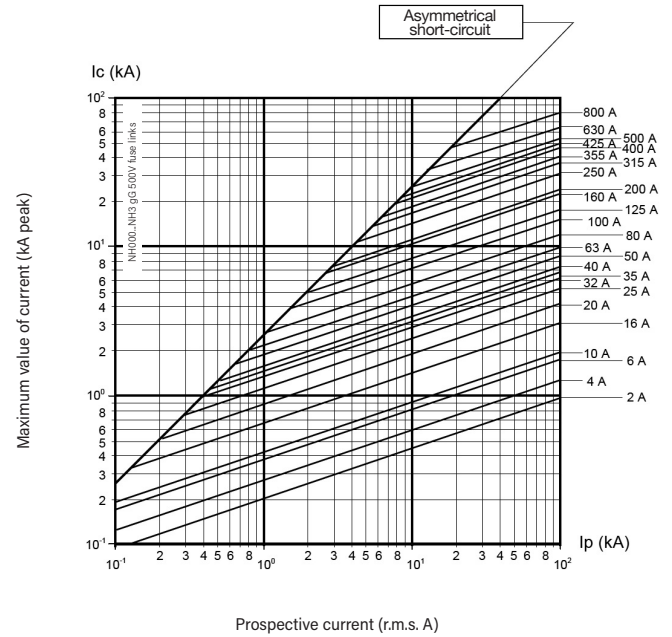
Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel



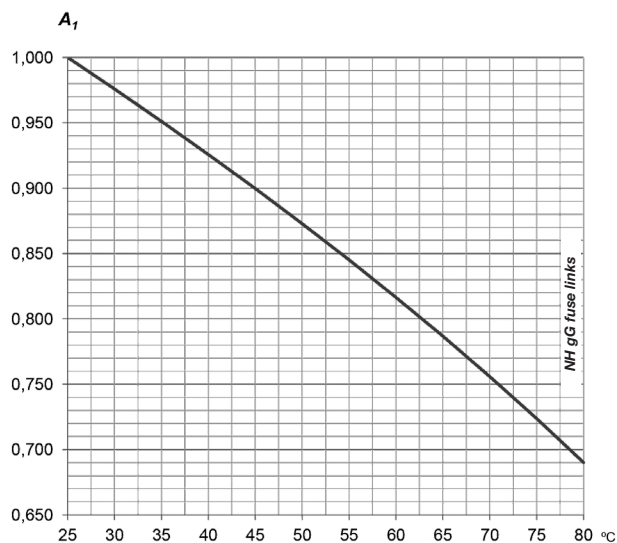
## t-I characteristics



## 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.

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