

## gG NH 500V with striker fuse links

NH



NH0S

NH1

NH2

NH3

NH4

**PROTECTING  
THE WORLD**

NH0S



RATED VOLTAGE  
500V

RATED CURRENT  
32A...200A

BREAKING CAPACITY  
120kA

## Range

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
32	<b>395135</b>	3/30
35	<b>395140</b>	3/30
40	<b>395145</b>	3/30
50	<b>395150</b>	3/30
63	<b>395155</b>	3/30
80	<b>395160</b>	3/30
100	<b>395165</b>	3/30
125	<b>395170</b>	3/30
160	<b>395175</b>	3/30
200*	<b>395180</b>	3/30

\* Overrating fuse links

NH1



RATED VOLTAGE  
500V

RATED CURRENT  
63A...355A

BREAKING CAPACITY  
120kA

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
63	<b>395235</b>	3/30
80	<b>395240</b>	3/30
100	<b>395245</b>	3/30
125	<b>395250</b>	3/30
160	<b>395255</b>	3/30
200	<b>395260</b>	3/30
250	<b>395270</b>	3/30
315*	<b>395280</b>	3/30
355*	<b>395285</b>	3/30

\* Overrating fuse links

NH2



RATED VOLTAGE  
500V

RATED CURRENT  
125A...500A

BREAKING CAPACITY  
120kA

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
125	<b>395340</b>	3/18
160	<b>395345</b>	3/18
200	<b>395350</b>	3/18
224	<b>395355</b>	3/18
250	<b>395360</b>	3/18
315	<b>395370</b>	3/18
355	<b>395375</b>	3/18
400	<b>395380</b>	3/18
425*	<b>395385</b>	3/30
500*	<b>395390</b>	3/30

\* Overrating fuse links

NH3

RATED VOLTAGE  
 500V

RATED CURRENT  
 315A...630A

BREAKING CAPACITY  
 120kA



## Range

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
315	<b>395445</b>	3/18
355	<b>395450</b>	3/18
400	<b>395455</b>	3/18
425	<b>395460</b>	3/18
500	<b>395465</b>	3/18
630	<b>395470</b>	3/18

**NH3**  
 WITH STRIKER

NH4

RATED VOLTAGE  
 500V

RATED CURRENT  
 315A...1250A

BREAKING CAPACITY  
 120kA



$I_n$ (A)	REFERENCE	PACKING Uni /BOX
315	<b>395505</b>	1/6
400	<b>395510</b>	1/6
500	<b>395515</b>	1/6
630	<b>395520</b>	1/6
800	<b>395525</b>	1/6
1000	<b>395530</b>	1/6
1250*	<b>395535</b>	1/6

\* Overrating fuse links

## Technical data

Rated voltage	500V AC +10%
Rated current	32A...1250A
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.

## Materials

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

## DC Application

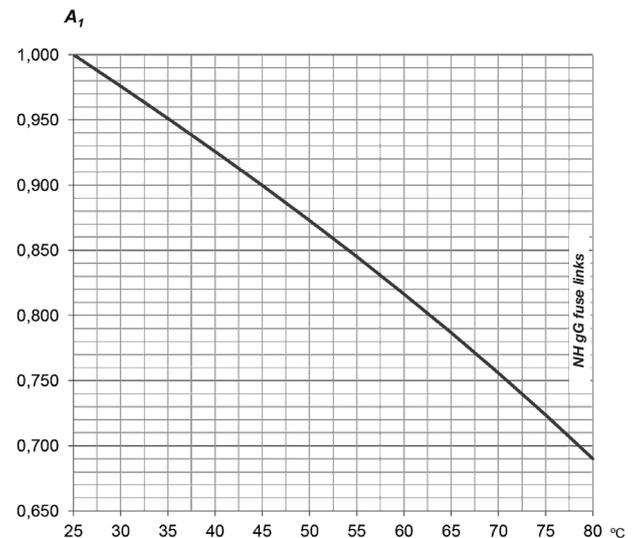
SIZE	MAX DC VOLTAGE	DC BREAKING CAPACITY
<b>NH0S...NH4</b> WITH STRIKER	250V DC L/R=10...15ms	25kA

## Standards

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



## Ambient temperature derating factor



ta (°C)	A1
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

## Power dissipation

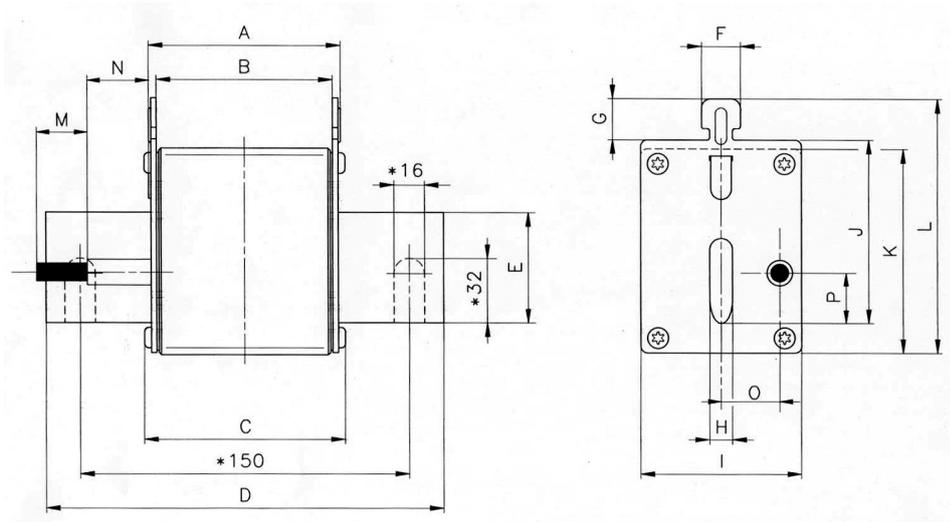
<b>I<sub>n</sub></b> (A)	<b>NH0S</b> (W)	<b>NH1</b> (W)	<b>NH2</b> (W)	<b>NH3</b> (W)	<b>NH4</b> (W)
32	4,5				
35	4,8				
40	5,2				
50	6,7				
63	7,0	6,5			
80	7,2	7,8			
100	8,3	8,8			
125	10,9	10,8	10,2		
160	11,7	12,7	13,2		
200	15,5	17,0	15,8		
224		17,5	18,6		
250		20,2	20,6		
315		27,4	26,7	22,8	26,1
355		35,8	29,0	26,7	
400			32,3	28,4	32,7
425			35,2	33,5	
500			40,0	36,4	37,0
630				45,5	47,0
800					68,0
900					76,0
1000					80,0
1250					108

## I<sup>2</sup>t Values

	<b>I<sub>n</sub></b> (A)	<b>PREARcing I<sup>2</sup>t</b> ≈ 4 ms (A <sup>2</sup> s)	<b>TOTAL I<sup>2</sup>t 230V</b> (A <sup>2</sup> s)	<b>TOTAL I<sup>2</sup>t 400V</b> (A <sup>2</sup> s)	<b>TOTAL I<sup>2</sup>t 500V</b> (A <sup>2</sup> s)
<b>NH0S</b>	<b>32</b>	2779	4100	5467	6475
	<b>35</b>	3190	4710	6276	7433
	<b>40</b>	4594	6780	9037	10700
	<b>50</b>	5600	11075	14772	17500
	<b>63</b>	5700	16600	15800	22000
	<b>80</b>	9838	18600	29823	39350
	<b>100</b>	20400	38600	61962	81800
	<b>125</b>	40500	70900	107301	136895
	<b>160</b>	78400	137000	207711	265000
	<b>200</b>	98100	159600	228666	282540
	<b>224</b>	138300	225000	322455	398400
	<b>250</b>	169000	274700	393447	486000
	<b>315</b>	236700	435300	682917	890000
	<b>355</b>	290960	535100	839445	1094000
	<b>400</b>	444000	816600	1281297	1670000
	<b>425</b>	589800	998400	1473145	1851960
<b>500</b>	900000	1523400	2247948	2826000	
<b>630</b>	1600000	2707400	3993806	5020000	

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<b>NH4</b>	<b>315</b>	269400	363200	452900	660000
	<b>400</b>	471400	635400	792400	1154800
	<b>500</b>	851400	1147800	1431300	1085900
	<b>630</b>	1609600	2169900	2706000	3943600
	<b>800</b>	2248200	3030700	3779400	5507900
	<b>900</b>	3405500	4590900	5725100	8343400
	<b>1000</b>	4310000	5810500	7246000	10560000
	<b>1250</b>	7541100	10166200	12677700	18475700

## Dimensions

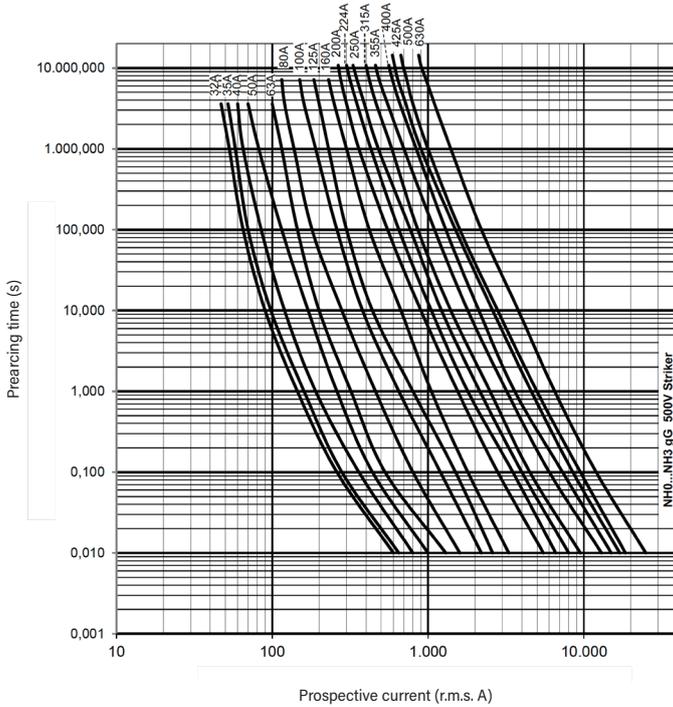


\* Only for NH4 fuse links

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Weight
<b>NH0S</b>	66	62	66,5	125	15	10	9,5	6	39	35	47	59	15	29	14,5	14	320gr
<b>NH1</b>	68	62	71,5	135	20	10	9,5	6	39	40	52	64	15	28,5	16	14,5	380gr
<b>NH2</b>	68	62	71,5	150	20	10	9,5	6	53	48	60	72	15	28,5	19	14,5	620gr
<b>NH3</b>	68	62	73	150	32	10	9,5	6	70	60	75	87	15	28	24	14,5	1,02kg
<b>NH4</b>	68	62	76	200	50	10	10	8	102	87	105	120	15	39	27,5	14,5	2,38kg

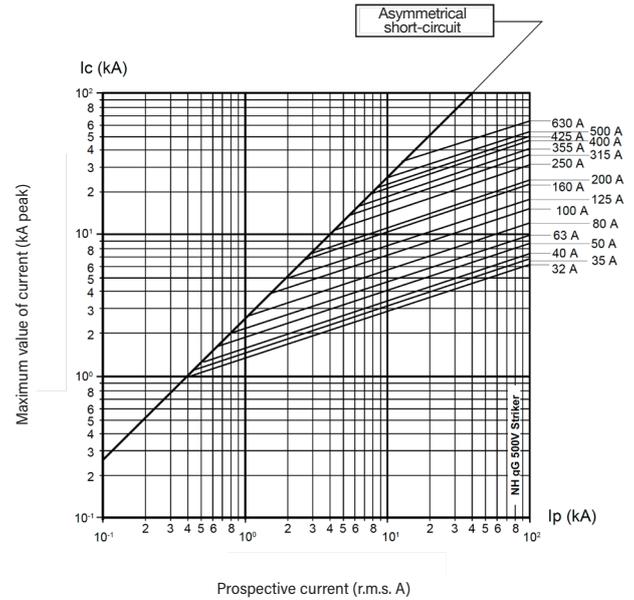
## t-I characteristics

NH0S...NH3 fuse links



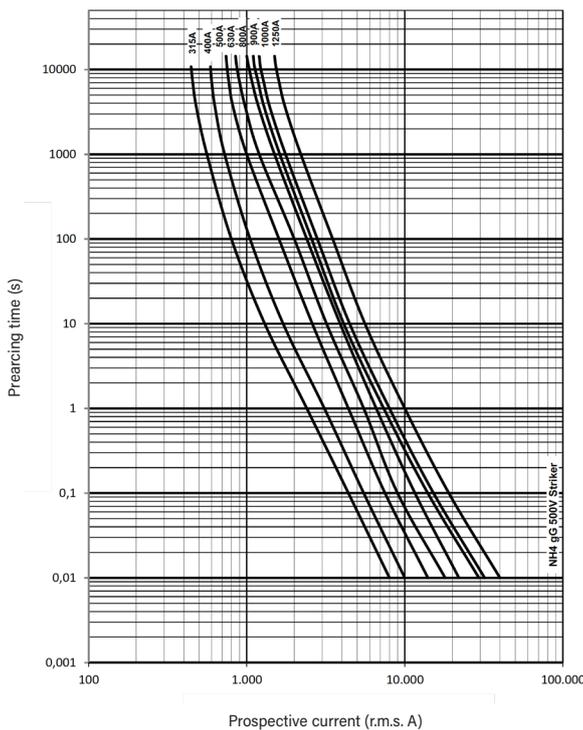
## Cut-off characteristics

NH0S...NH3 fuse links



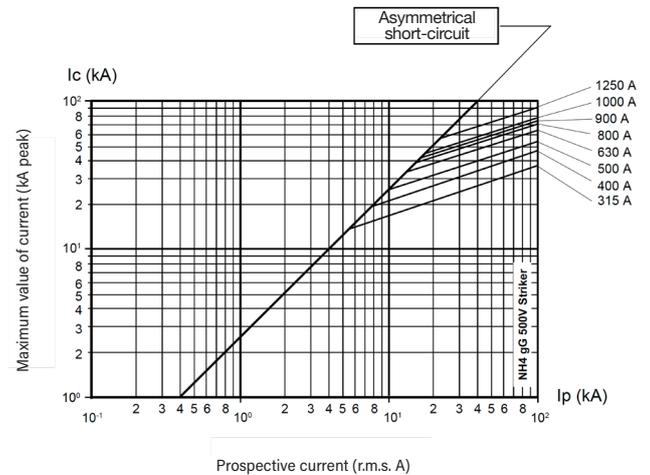
## t-I characteristics

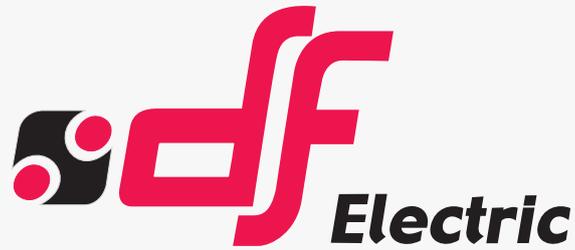
NH4 fuse links



## Cut-off characteristics

NH4 fuse links





# 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

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