NH KNIFE-BLADE

FUSE LINKS & FUSE BASES

gG

NH 500V

fuse links

NH

NH000 NH00 NH0 NH1 NH2 NH3 NH4

NH0S NHC1 NHC2 NHC3

PROTECTING THE WORLD

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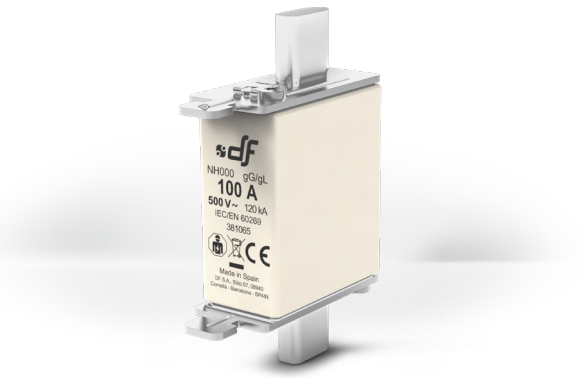
Range

NH000

RATED VOLTAGE
500V

RATED CURRENT
2A...100A

BREAKING CAPACITY
120kA



In (A)	REFERENCE	PACKING Uni /BOX
2	**381000**	3/90
4	**381005**	3/90
6	**381010**	3/90
10	**381015**	3/90
16	**381020**	3/90
20	**381025**	3/90
25	**381030**	3/90
32	**381035**	3/90
35	**381040**	3/90
40	**381045**	3/90
50	**381050**	3/90
63	**381055**	3/90
80	**381060**	3/90
100	**381065**	3/90

NH0 NH0S

RATED VOLTAGE
500V

RATED CURRENT
6A...250A

BREAKING CAPACITY
120kA

	In (A)	REFERENCE	PACKING Uni /BOX
NH0	6	**381110**	3/42
	10	**381115**	3/42
	16	**381120**	3/42
	20	**381125**	3/42
	25	**381130**	3/42
	32	**381135**	3/42
	35	**381140**	3/42
	40	**381145**	3/42
	50	**381150**	3/42
	63	**381155**	3/42
	80	**381160**	3/42
	100	**381165**	3/42
	125	**381170**	3/42
	160	**381175**	3/42
NH0S	200	**381180**	3/30
	224	**381185**	3/30
	250	**381190**	3/30

gG
NH 500V
fuse links

NH1 NHC1

RATED VOLTAGE
500V

RATED CURRENT
50A...355A

BREAKING CAPACITY
120kA

Range

	In (A)	REFERENCE	PACKING Uni /BOX
NHC1	50	**381230**	3/30
	63	**381235**	3/30
	80	**381240**	3/30
	100	**381245**	3/30
	125	**381250**	3/30
	160	**381255**	3/30
NH1	200	**381260**	3/30
	224	**381265**	3/30
	250	**381270**	3/30
	315*	**381280**	3/30
	355*	**381285**	3/30

* Overrating fuse links

NH2 NHC2

RATED VOLTAGE
500V

RATED CURRENT
63A...500A

BREAKING CAPACITY
120kA

	In (A)	REFERENCE	PACKING Uni /BOX
NHC2	63	**381325**	3/24
	80	**381330**	3/24
	100	**381335**	3/24
	125	**381340**	3/24
	160	**381345**	3/24
	200	**381350**	3/24
	224	**381355**	3/24
	250	**381360**	3/24
NH2	315	**381370**	3/30
	355	**381375**	3/30
	400	**381380**	3/30
	425*	**381385**	3/30
	500*	**381390**	3/30

* Overrating fuse links

gG
NH 500V
fuse links

NH3 NHC3

RATED VOLTAGE
500V

RATED CURRENT
250A...800A

BREAKING CAPACITY
120kA

Range

	In (A)	REFERENCE	PACKING Uni /BOX
NHC3	250	**381435**	3/18
	315	**381445**	3/18
	355	**381450**	3/18
	400	**381455**	3/18
NH3	425	**381460**	3/18
	500	**381465**	3/18
	630	**381470**	3/18
	800*	**381475**	3/18

* Overrating fuse links

NH4

RATED VOLTAGE
500V

RATED CURRENT
315A...1250A

BREAKING CAPACITY
120kA

	In (A)	REFERENCE	PACKING Uni /BOX
NH4	315	**381505**	1/6
	400	**381510**	1/6
	500	**381515**	1/6
	630	**381520**	1/6
	800	**381525**	1/6
	900	**381527**	1/6
	1000	**381530**	1/6
	1250*	**381535**	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 25ºC 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

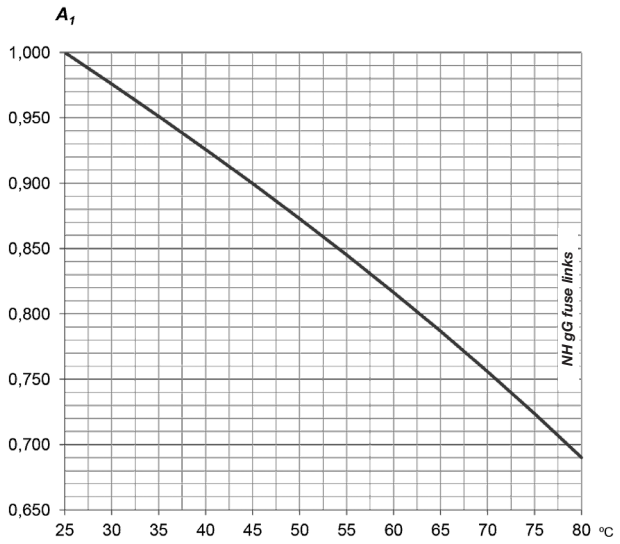
DC Application

SIZE	RATED CURRENT	MAX DC VOLTAGE	DC BREAKING CAPACITY
NH000 NH00	2A...100A 125A...160A	250V DC	80kA
NH0 NH0S	6A...160A 200A...250A	250V DC 125V DC	80kA
NH1	50A...250A 315A...355A	250V DC 80V DC	80kA
NH2	63A...400A 425A...500A	250V DC 80V DC	80kA
NH3	250A...630A 800A	250V DC 80V DC	80kA
NH4	315A...1000A 1250A	250V DC 80V DC	50kA

Standards

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

Ambient temperature derating factor



t_a (ºC)	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

Power dissipation

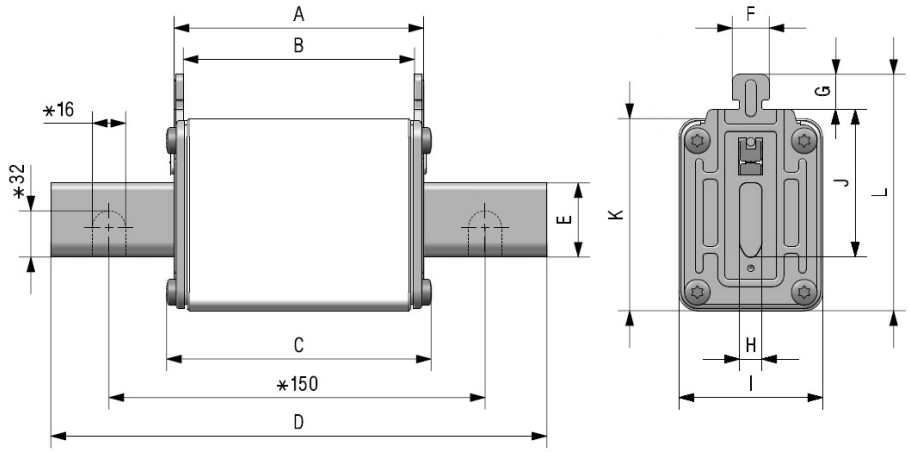
I_n	NH000	NH00	NH0		NH1		NH2		NH3		NH4
			NH0	NH0S	NHC1	NH1	NHC2	NH2	NHC3	NH3	
(A)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
2	0,83										
4	0,65										
6	0,88		1,3								
10	1,1		1,3								
16	2,0		2,8								
20	2,3		3,0								
25	2,8		3,6								
32	3,3		4,5								
35	3,5		4,8								
40	4,0		5,2								
50	5,1		6,7		5,5						
63	6,1		7,0		6,6		6,3				
80	6,7		7,2		7,7		7,9				
100	7,4		8,3		8,5		8,2				
125		9,0	10,9		10,9		10,3				
160		10,3	11,7		12,6		13,1				
200				15,5		17,0	16,6				
224				17,7		17,5	18,6				
250				20,2		20,2	20,6		21,0		
315						27,4		26,7	25,6		26,1
355						35,8		29,0	30,6		
400								32,3	32,6		32,7
425								35,2		33,5	
500								40,0		36,4	37,0
630										45,5	47,0
800										66,5	68,0
900											76,0
1000											80,0
1250											108

I^2t Values

	I_n (A)	PREARCING I^2t ≈ 4 ms (A^2s)	TOTAL I^2t 230V (A^2s)	TOTAL I^2t 400V (A^2s)	TOTAL I^2t 500V (A^2s)
NH000 NH00 NH0 NH1 NH2 NH3	**2**	1,5	2,2	2,8	3,3
	4	32	46	59	69
	6	103	145	188	218
	10	128	197	270	324
	16	290	444	607	730
	20	605	926	1267	1524
	25	1160	1774	2428	2920
	32	2779	4100	5467	6475
	35	3190	4710	6276	7433
	40	4594	6780	9037	10700
	50	5600	11075	14772	17500
	63	5700	16600	15800	22000
	80	9838	18600	29823	39350
	100	20400	38600	61962	81800
	125	40500	70900	107301	136895
	160	78400	137000	207711	265000
	200	98100	159600	228666	282540
	224	138300	225000	322455	398400
	250	169000	274700	393447	486000
	315	236700	435300	682917	890000
	355	290960	535100	839445	1094000
	400	444000	816600	1281297	1670000
	425	589800	998400	1473145	1851960
	500	900000	1523400	2247948	2826000
	630	1600000	2707400	3993806	5020000
	800	2500000	4231800	6244300	7850000

	I_n (A)	PREARCING I^2t ≈ 4 ms (A^2s)	TOTAL I^2t 230V (A^2s)	TOTAL I^2t 400V (A^2s)	TOTAL I^2t 500V (A^2s)
NH4	**315**	269400	363200	452900	660000
	400	471400	635400	792400	1154800
	500	851400	1147800	1431300	1085900
	630	1609600	2169900	2706000	3943600
	800	2248200	3030700	3779400	5507900
	900	3405500	4590900	5725100	8343400
	1000	4310000	5810500	7246000	10560000
	1250	7541100	10166200	12677700	18475700

Dimensions

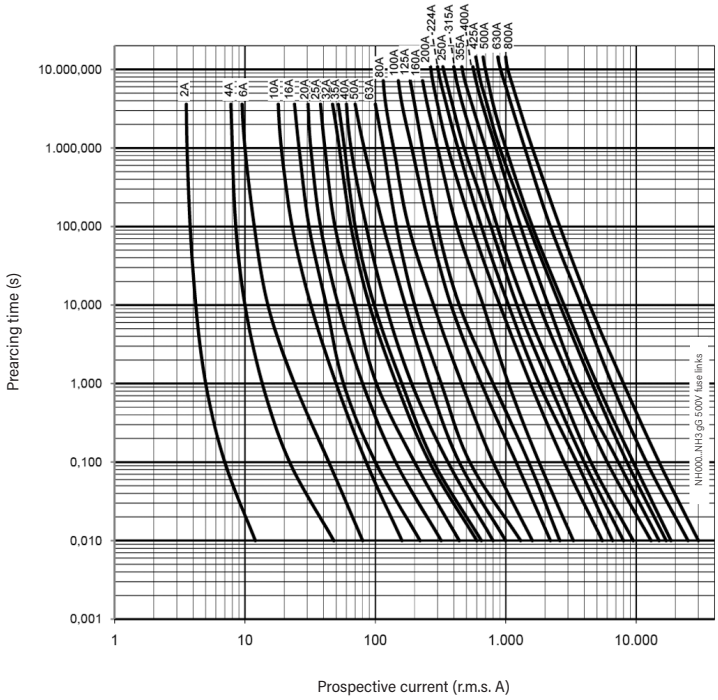


* Only for NH4 fuse links

	A	B	C	D	E	F	G	H	I	J	K	L	Weight
NH000	49	45	52	78,5	15	10	9,5	6	21	35	40	53	120gr
NH00	49	44	52	78,5	15	10	9,5	6	29	35	47	59	180gr
NH0	66	60,5	66,5	125	15	10	9,5	6	29	35	47	59	250gr
NH0S	66	62	66,5	125	15	10	9,5	6	39	35	47	59	310gr
NHC1	68	62	70,5	135	15	10	9,5	6	29	40	47	64	270gr
NH1	68	62	71,5	135	20	10	9,5	6	39	40	52	64	380gr
NHC2	68	62	71,5	150	20	10	9,5	6	39	48	52	72	470gr
NH2	68	62	71,5	150	25	10	9,5	6	53	48	60	72	620gr
NHC3	68	62	71,5	150	25	10	9,5	6	53	60	60	84	630gr
NH3	68	62	73	150	32	10	9,5	6	70	60	75	87	1,02kg
NH4	68	62	76	200	50	10	10	8	102	87	105	120	2,38kg

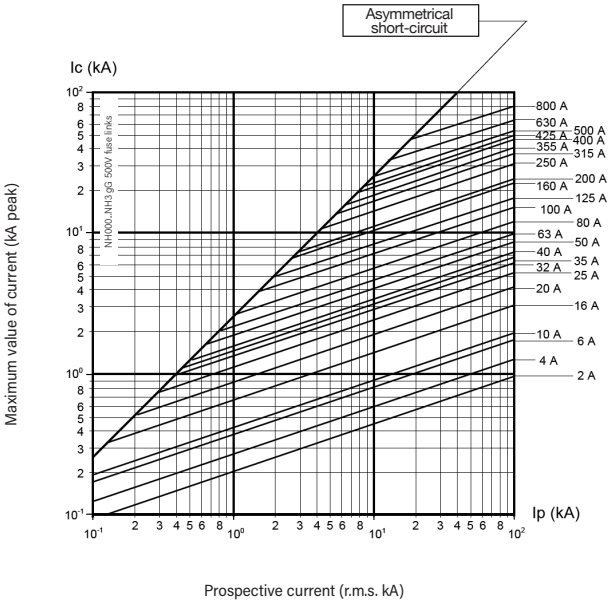
t-I characteristics

NH000...NH3 fuse links



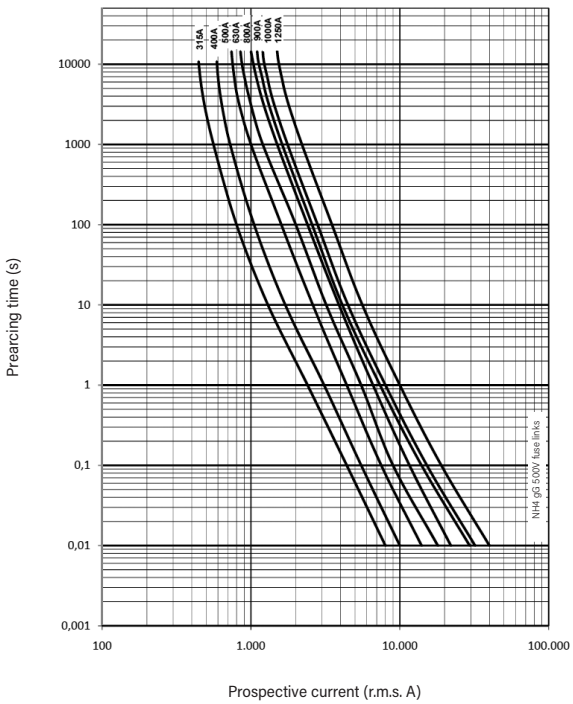
Cut-off characteristics

NH000...NH3 fuse links



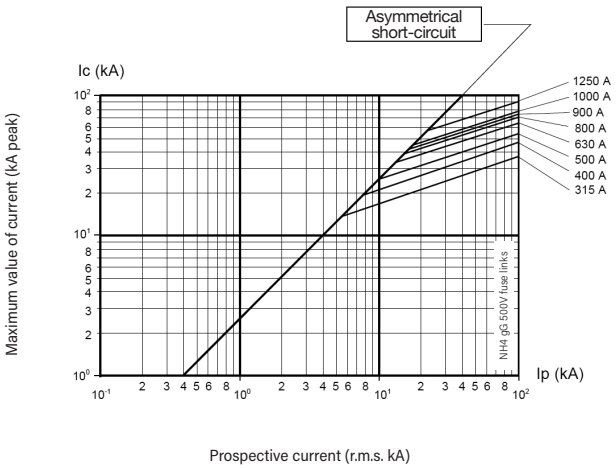
t-I characteristics

NH4 fuse links



Cut-off characteristics

NH4 fuse links



PROTECTING THE WORLD

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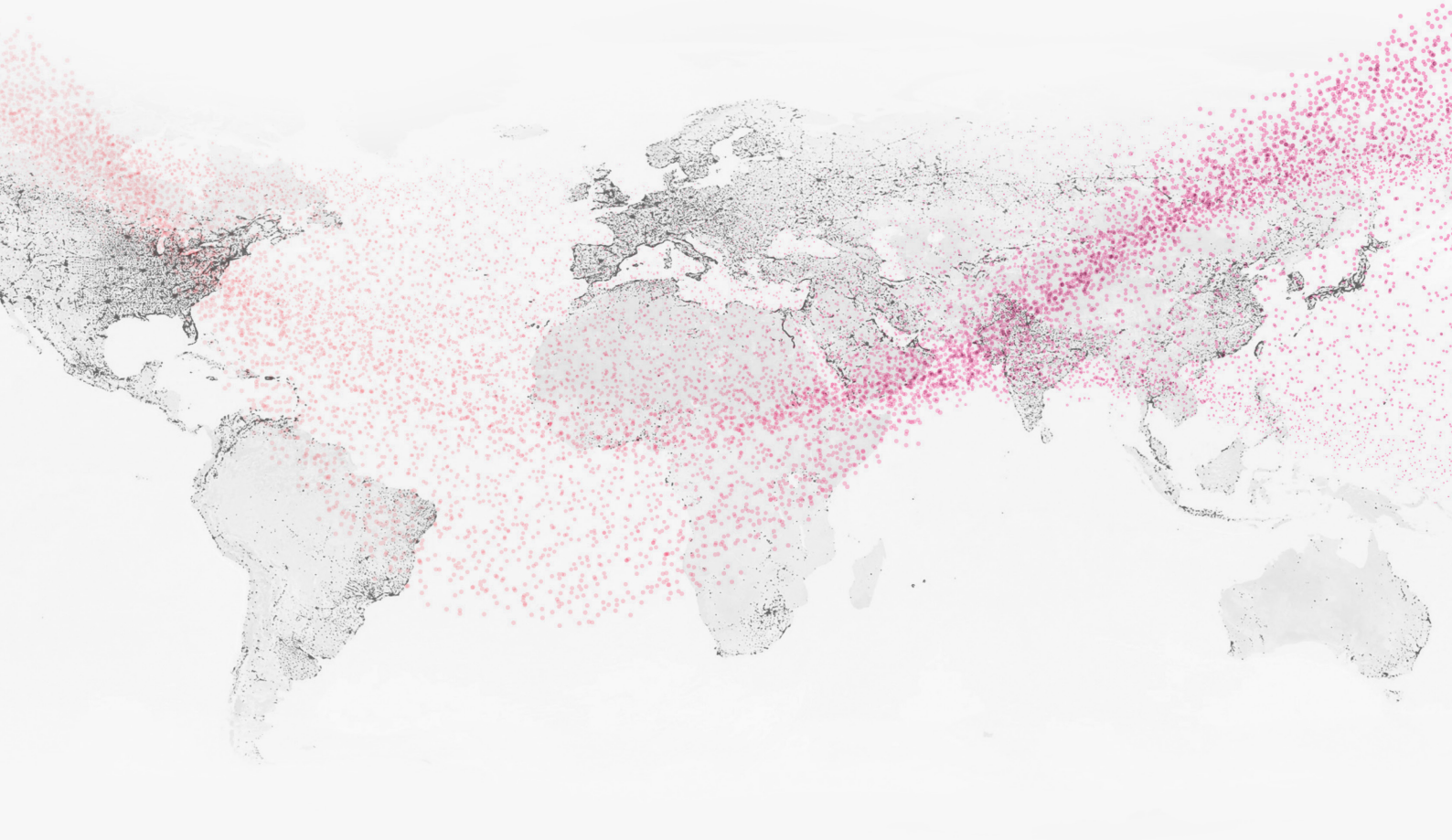

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MADE IN SPAIN

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