Bussmann
500 Volts gG/gL NH Fuse Links

Product description:

Bussmann's range of 500 Volts NH square bodied industrial fuse links is suitable for a wide variety of applications.

Standard features:

- Reliable dual indicator system
- Low temperature rise
- Globally compliant
- Compatible with Bussmann PV NH base range (see data sheet 10163)

Bussmann
by EATON

Catalogue symbol: (amp)NHG(size)B

Fuse size: 000 to 4

Technical data:
Volts: 500Vdc
Amps: 2 to 1250A
Breaking capacity: 120kA AC
Operating frequency: 45-62Hz
Class of operation: gG/gL

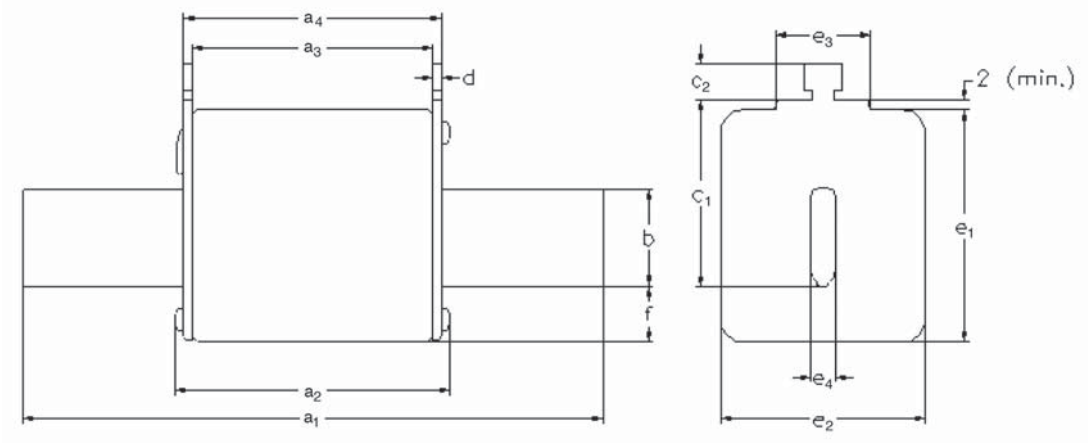
Standards/Approvals:
- IEC 60269
- VDE 0636
- DIN 43620
- CE

Microswitches:
- 170H0236
- BVL50

Fuse holders (ordered separately)
- Fuse bases: 1-pole SD(size)-D, 3-pole TD(size)-D
- Fuse rails - vertical: BFR series
- Fuse switch disconnectors vertical - BFD series
- Fuse switch disconnectors horizontal - BFH series

Packaging: MOQ 3 (sizes 000 to 3), 1 (size 4)

Size - mm



Size	a_1	a_2 (max)	a_3	a_4	b	c_1	c_2	d	e_1 (max)	e_2 (max)	e_3 (max)	e_4	f (max)
000	78.5±1.5	54	45±1.5	49±1.5	15	35	10	2±0.5	41	21	16	6	8
00	78.5±1.5	54	45±1.5	49±1.5	15	35	11	2±0.5	48	30	25	6	15
0	125±2.5	68	$62^{+3}_{-1.5}$	$68^{+1.5}_{-3}$	15	35	11	2.5±0.5	48	30	25	6	15
01	135±2.5	75	62±2.5	68±2.5	15	40	11	2.5±0.5	48	30	25	6	15
1	135±2.5	75	62±2.5	68±2.5	20	40	11	2.5±0.5	53	52	25	6	15
02	150±2.5	75	62±2.5	68±2.5	20	48	11	2.5±0.5	53	52	25	6	15
2	150±2.5	75	62±2.5	68±2.5	25	48	11	2.5±0.5	61	60	25	6	15
03	150±2.5	75	62±2.5	68±2.5	25	60	11	2.5±0.5	61	60	25	6	15
3	150±2.5	75	62±2.5	68±2.5	32	60	11	3±0.5	75	70	25	6	18
4	200±3	84	62±2.5	90±3	50	85	10	3±0.5	102	87	25	8	30

Part Numbers

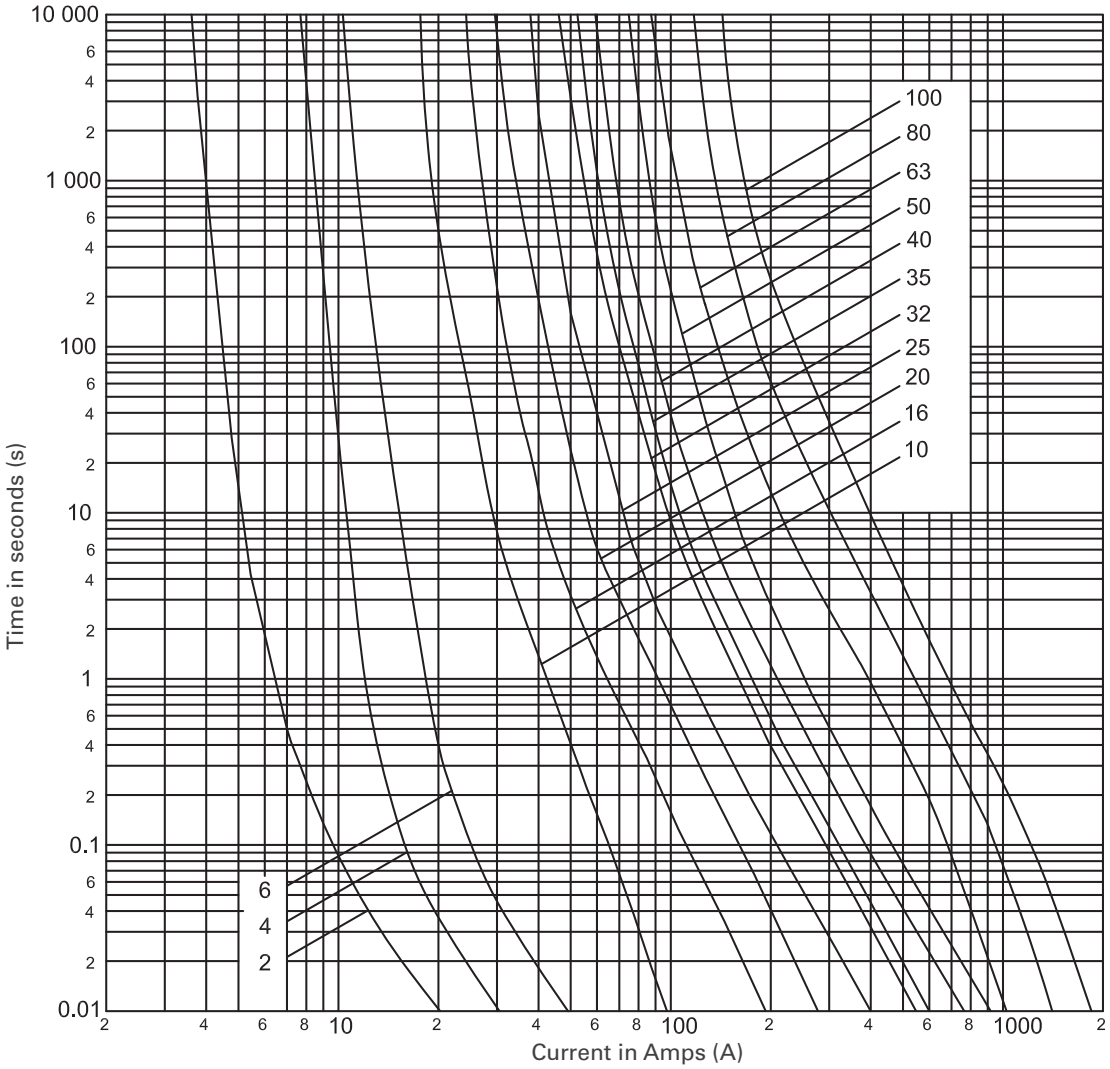
Size	Rated current (Amps)	Rated voltage (Vac)	gG/gL dual indicator		Pack quantity
			Voltage conducting metal gripping lugs	Insulated metal gripping lugs	
000	2	500	2NHG000B	2NHG000BI	3
	4		4NHG000B	4NHG000BI	3
	6		6NHG000B	6NHG000BI	3
	10		10NHG000B	10NHG000BI	3
	16		16NHG000B	16NHG000BI	3
	20		20NHG000B	20NHG000BI	3
	25		25NHG000B	25NHG000BI	3
	32		32NHG000B	32NHG000BI	3
	35		35NHG000B	35NHG000BI	3
	40		40NHG000B	40NHG000BI	3
	50		50NHG000B	50NHG000BI	3
	63		63NHG000B	63NHG000BI	3
	80		80NHG000B	80NHG000BI	3
	100		100NHG000B	100NHG000BI	3
00	50	500	50NHG00B	50NHG00BI	3
	63		63NHG00B	63NHG00BI	3
	80		80NHG00B	80NHG00BI	3
	100		100NHG00B	100NHG00BI	3
	125		125NHG00B	125NHG00BI	3
	160		160NHG00B	160NHG00BI	3
0	6	500	6NHG0B	6NHG0BI	3
	10		10NHG0B	10NHG0BI	3
	16		16NHG0B	16NHG0BI	3
	20		20NHG0B	20NHG0BI	3
	25		25NHG0B	25NHG0BI	3
	32		32NHG0B	32NHG0BI	3
	35		35NHG0B	35NHG0BI	3
	40		40NHG0B	40NHG0BI	3
	50		50NHG0B	50NHG0BI	3
	63		63NHG0B	63NHG0BI	3
	80		80NHG0B	80NHG0BI	3
	100		100NHG0B	100NHG0BI	3
	125		125NHG0B	125NHG0BI	3
	160		160NHG0B	160NHG0BI	3
01	6	500	6NHG01B	6NHG01BI	3
	10		10NHG01B	10NHG01BI	3
	16		16NHG01B	16NHG01BI	3
	20		20NHG01B	20NHG01BI	3
	25		25NHG01B	25NHG01BI	3
	32		32NHG01B	32NHG01BI	3
	35		35NHG01B	35NHG01BI	3
	40		40NHG01B	40NHG01BI	3
	50		50NHG01B	50NHG01BI	3
	63		63NHG01B	63NHG01BI	3
	80		80NHG01B	80NHG01BI	3
	100		100NHG01B	100NHG01BI	3
	125		125NHG01B	125NHG01BI	3
	160		160NHG01B	160NHG01BI	3

Part Numbers

Size	Rated current (Amps)	Rated voltage (Vac)	gG/gL dual indicator		Pack quantity
			Voltage conducting metal gripping lugs	Insulated metal gripping lugs	
1	50	500	50NHG1B	50NHG1BI	3
	63		63NHG1B	63NHG1BI	3
	80		80NHG1B	80NHG1BI	3
	100		100NHG1B	100NHG1BI	3
	125		125NHG1B	125NHG1BI	3
	160		160NHG1B	160NHG1BI	3
	200		200NHG1B	200NHG1BI	3
	224		224NHG1B	224NHG1BI	3
	250		250NHG1B	250NHG1BI	3
	315	440	315NHG1B	315NHG1BI	3
	355		355NHG1B	355NHG1BI	3
02	35	500	35NHG02B	35NHG02BI	3
	40		40NHG02B	40NHG02BI	3
	50		50NHG02B	50NHG02BI	3
	63		63NHG02B	63NHG02BI	3
	80		80NHG02B	80NHG02BI	3
	100		100NHG02B	100NHG02BI	3
	125		125NHG02B	125NHG02BI	3
	160		160NHG02B	160NHG02BI	3
	200		200NHG02B	200NHG02BI	3
	224		224NHG02B	224NHG02BI	3
	250		250NHG02B	250NHG02BI	3
2	250	500	250NHG2B	250NHG2BI	3
	300		300NHG2B	300NHG2BI	3
	315		315NHG2B	315NHG2BI	3
	355		355NHG2B	355NHG2BI	3
	400		400NHG2B	400NHG2BI	3
	425		425NHG2B	425NHG2BI	3
	450		450NHG2B	450NHG2BI	3
	500	440	500NHG2B	500NHG2BI	3
03	250	500	250NHG03B	250NHG03BI	3
	315		315NHG03B	315NHG03BI	3
	355		355NHG03B	355NHG03BI	3
	400		400NHG03B	400NHG03BI	3
3	315	500	315NHG3B	-	3
	355		355NHG3B	-	3
	400		400NHG3B	-	3
	425		425NHG3B	-	3
	500		500NHG3B	-	3
	630		630NHG3B	-	3
	800	440	800NHG3B	-	3
4*	500	500	500NHG4G	-	1
	630		630NHG4G	-	1
	800		800NHG4G	-	1
	1000		1000NHG4G	-	1
	1250		1250NHG4G	-	1

*** Single Indicator Slotted End Tags**

Time-current curves - NH size 000

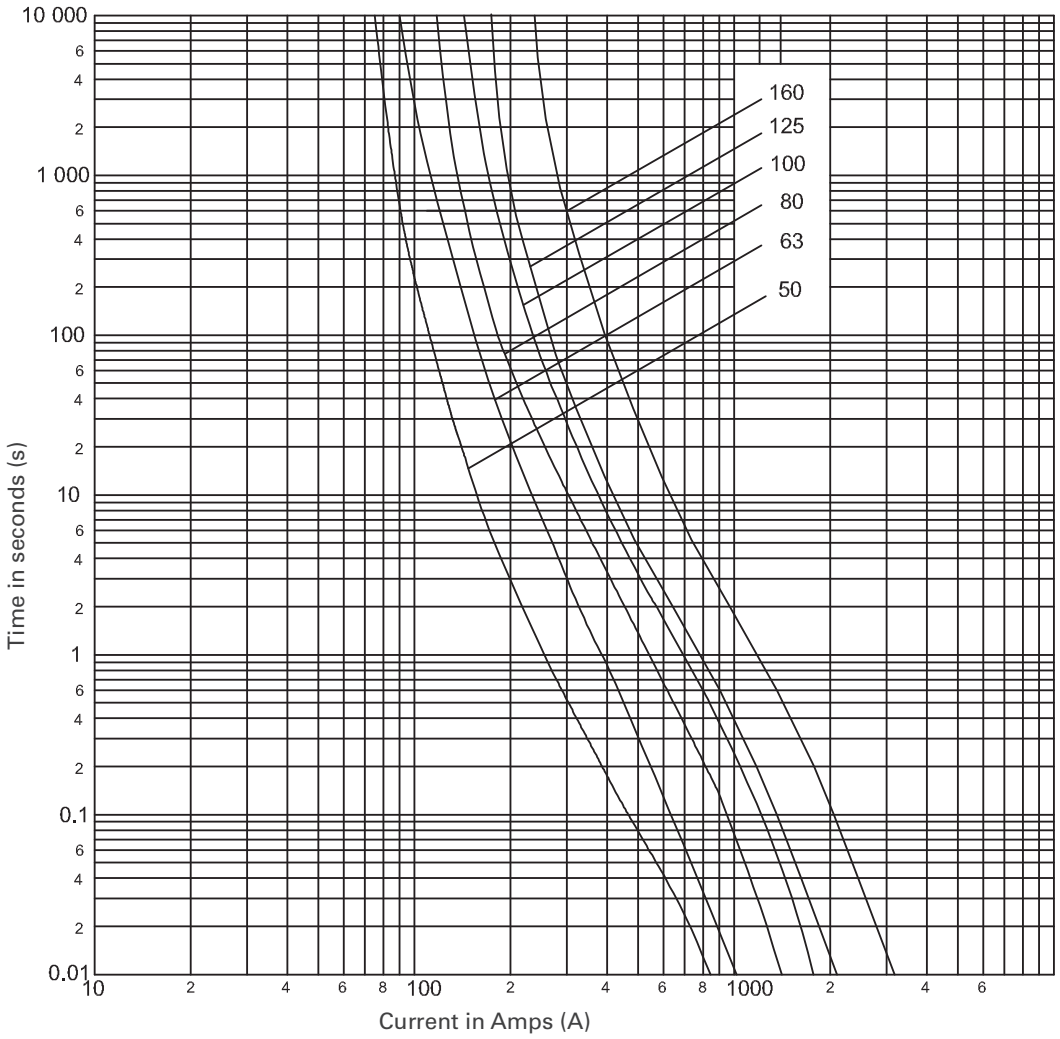


Technical data - NH size 000

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I²t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
2NHG000B	2NHG000BI	000	2	500	3.5	6	3.9	0.13
4NHG000B	4NHG000BI		4		6	12	1.8	
6NHG000B	6NHG000BI		6		14	21	2	
10NHG000B	10NHG000BI		10		58	290	1.5	
16NHG000B	16NHG000BI		16		234	1200	2.3	
20NHG000B	20NHG000BI		20		490	2500	2.2	
25NHG000B	25NHG000BI		25		920	4600	3.1	
32NHG000B	32NHG000BI		32		1800	9000	3.4	
35NHG000B	35NHG000BI		35		2400	11,800	3.7	
40NHG000B	40NHG000BI		40		3300	16,500	4	
50NHG000B	50NHG000BI		50		5900	29,500	4.9	
63NHG000B	63NHG000BI		63		6300	24,900	4.6	
80NHG000B	80NHG000BI		80		9800	38,900	6.3	
100NHG000B	100NHG000BI		100		18,100	72,300	7.4	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 00

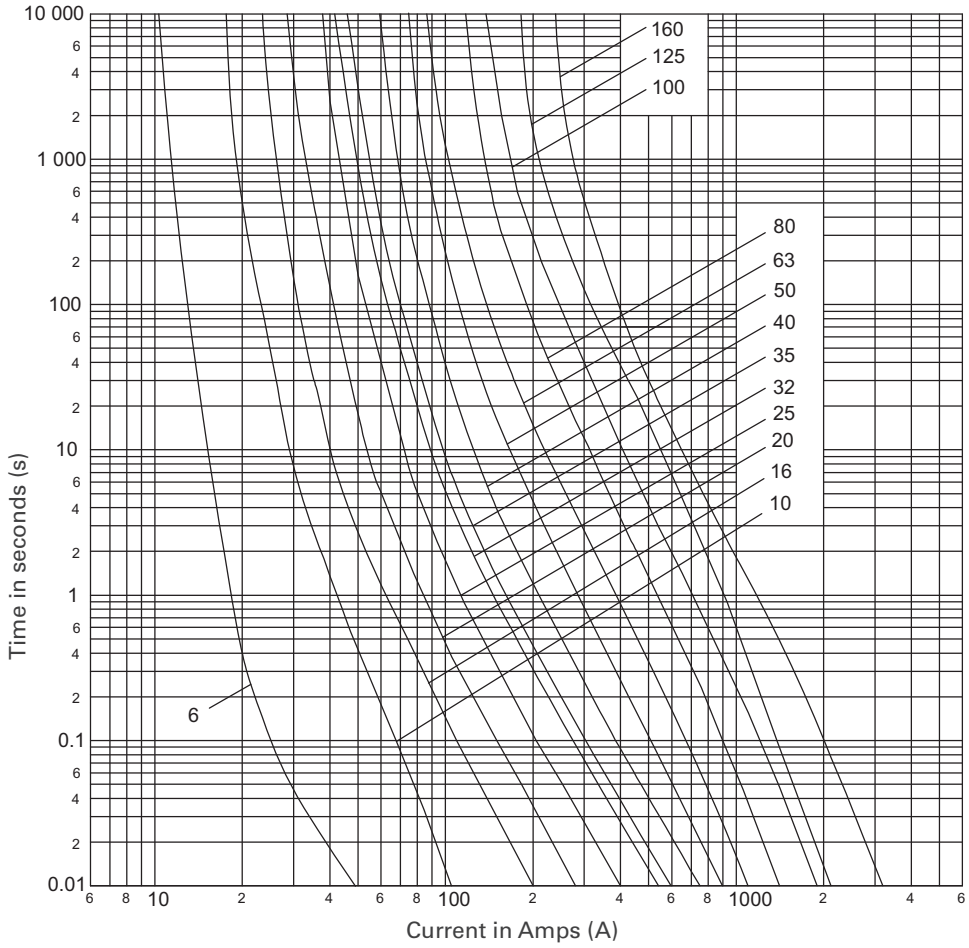


Technical data - NH size 00

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
50NHG00B	50NHG00BI	00	50	500	5800	21,500	5	0.190
63NHG00B	63NHG00BI		63		5800	25,000	5	
80NHG00B	80NHG00BI		80		11,000	35,000	7	
100NHG00B	100NHG00BI		100		19,000	60,000	7.5	
125NHG00B	125NHG00BI		125		25,000	125,000	10	
160NHG00B	160NHG00BI		160		64,000	310,000	10	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 0

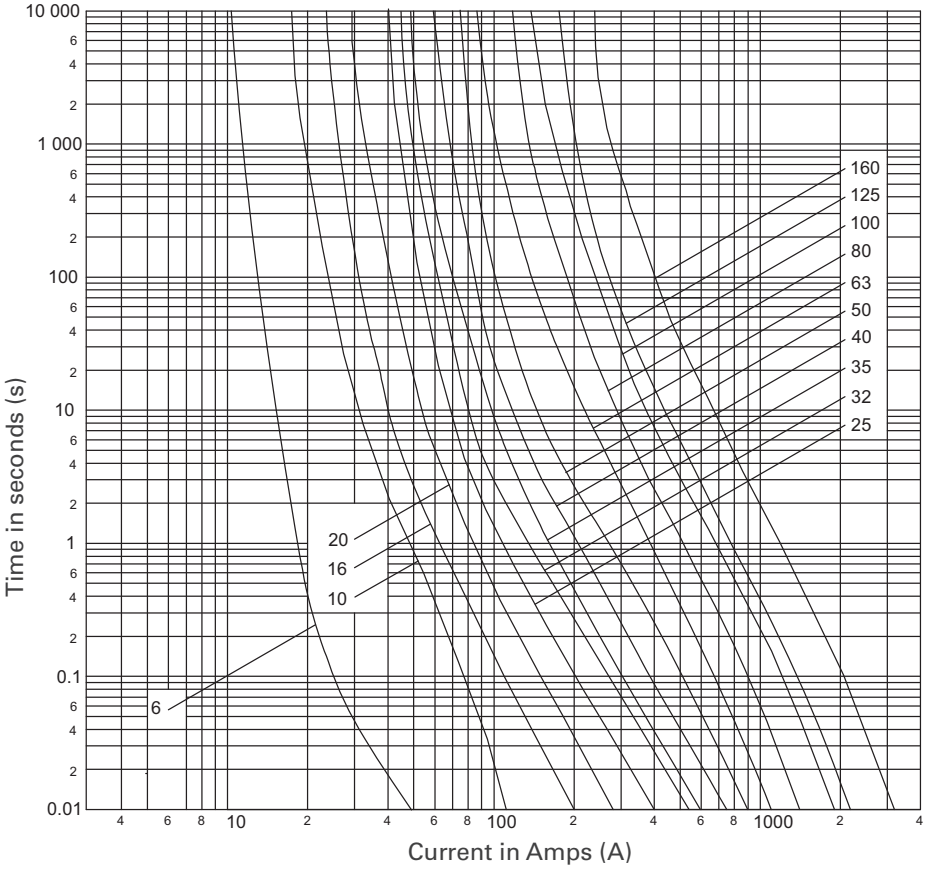


Technical data - NH size 0

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps^2 Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
6NHG0B	6NHG0BI	0	6	500	14	21	2	0.26
10NHG0B	10NHG0BI		10		58	290	2	
16NHG0B	16NHG0BI		16		240	1200	3	
20NHG0B	20NHG0BI		20		490	2500	3.5	
25NHG0B	25NHG0BI		25		1200	5600	3.2	
32NHG0B	32NHG0BI		32		1800	9000	4.8	
35NHG0B	35NHG0BI		35		2400	11,800	4.7	
40NHG0B	40NHG0BI		40		3300	16,500	5	
50NHG0B	50NHG0BI		50		5600	27,800	6.3	
63NHG0B	63NHG0BI		63		6600	26,100	5.6	
80NHG0B	80NHG0BI		80		9800	38,900	7.1	
100NHG0B	100NHG0BI		100		20,600	82,300	7.5	
125NHG0B	125NHG0BI		125		25,000	125,000	11.8	
160NHG0B	160NHG0BI		160		62,000	310,000	12.3	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 01

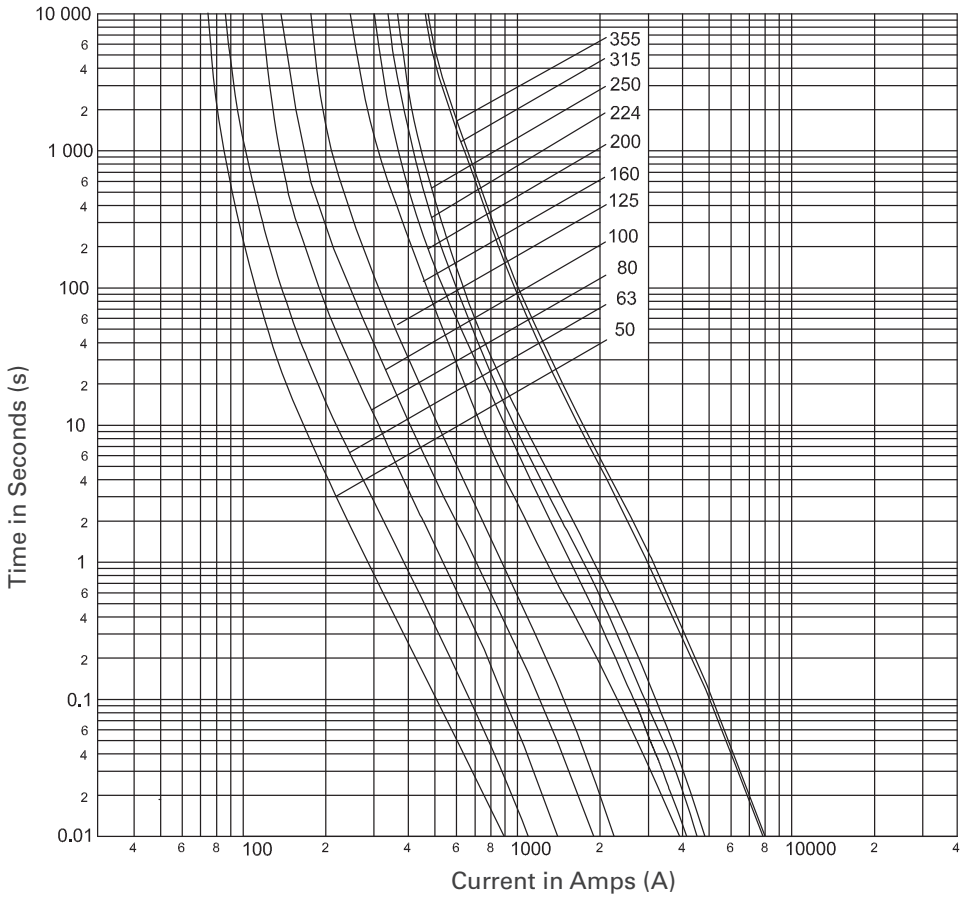


Technical data - NH size 01

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps^2 Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
6NHG01B	6NHG01BI	01	6	500	14	21	2	0.27
10NHG01B	10NHG01BI		10		58	290	2	
16NHG01B	16NHG01BI		16		240	1200	3	
20NHG01B	20NHG01BI		20		490	2500	3.4	
25NHG01B	25NHG01BI		25		1200	5600	5	
32NHG01B	32NHG01BI		32		1800	9000	4.8	
35NHG01B	35NHG01BI		35		2400	11,800	4.6	
40NHG01B	40NHG01BI		40		3300	16,500	5	
50NHG01B	50NHG01BI		50		5600	27,800	6.3	
63NHG01B	63NHG01BI		63		6600	26,100	5.6	
80NHG01B	80NHG01BI		80		9800	38,900	7.1	
100NHG01B	100NHG01BI		100		20,600	82,300	7.7	
125NHG01B	125NHG01BI		125		25,000	125,000	11.8	
160NHG01B	160NHG01BI		160		62,000	310,000	12.3	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 1

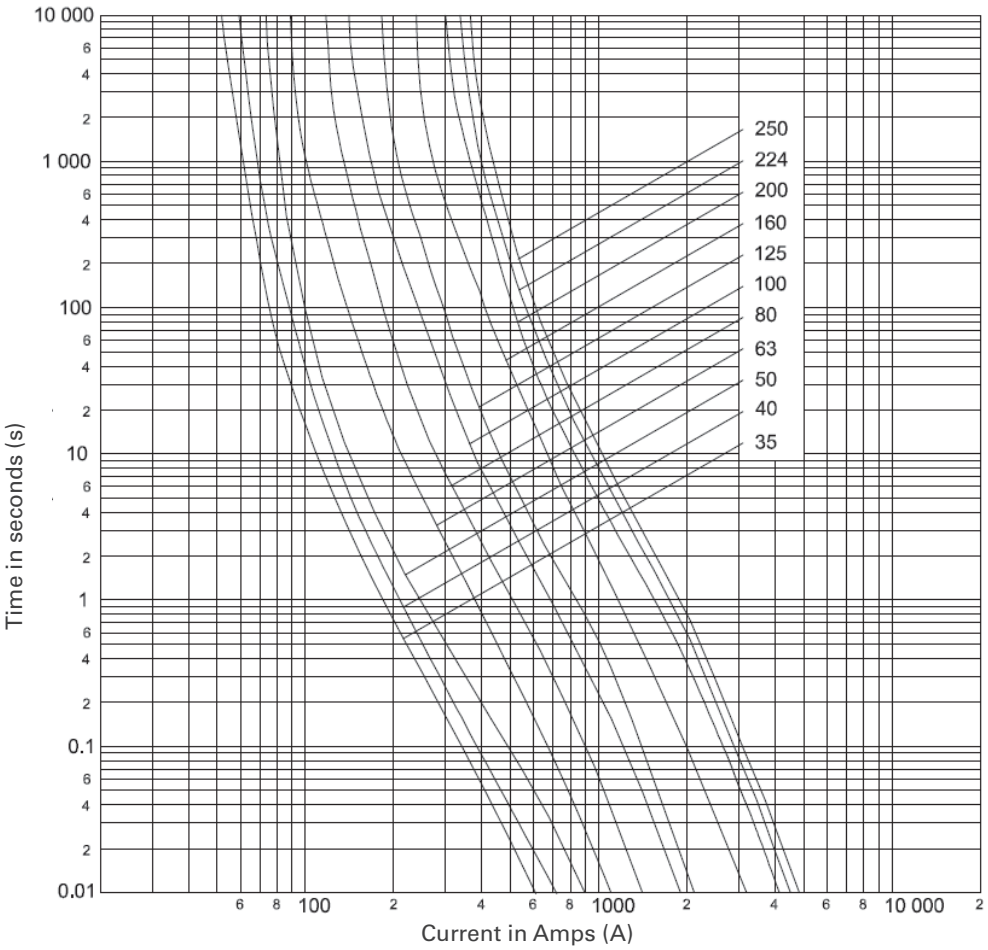


Technical data - NH size 1

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
50NHG1B	50NHG1BI	1	50	500	6350	18,000	6.4	0.39
63NHG1B	63NHG1BI		63		6800	23,000	5.6	
80NHG1B	80NHG1BI		80		10,500	31,200	7.7	
100NHG1B	100NHG1BI		100		22,000	68,200	8.2	
125NHG1B	125NHG1BI		125		29,000	82,000	13	
160NHG1B	160NHG1BI		160		62,000	310,000	12.3	
200NHG1B	200NHG1BI		200		97,000	368,600	15	
224NHG1B	224NHG1BI		224		124,000	471,200	18	
250NHG1B	250NHG1BI		250		151,300	574,900	19	
315NHG1B	315NHG1BI		315	440	320,000	750,000	22	
355NHG1B	355NHG1BI		355		320,000	750,000	32	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 02

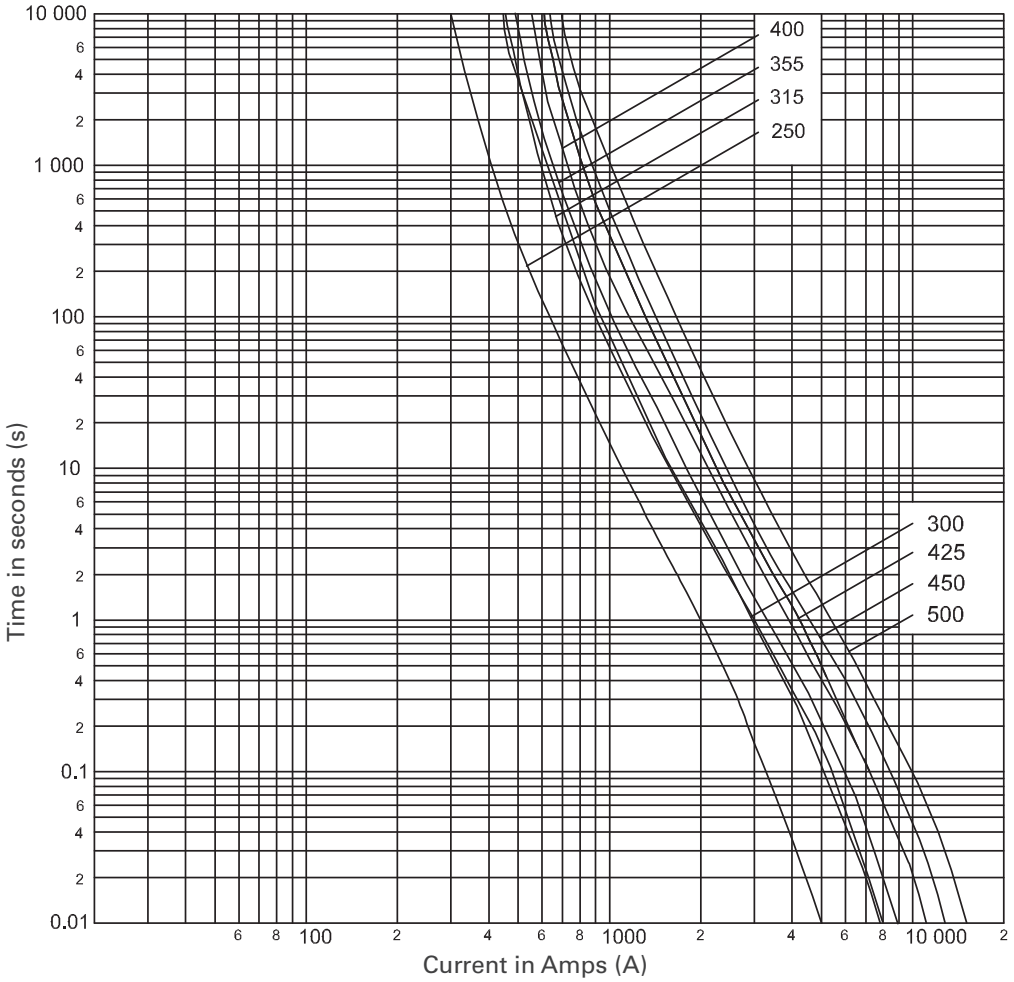


Technical data - NH size 02

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA @ 500Vac		
35NHG02B	35NHG02BI	02	35	500	2400	11,800	4.7	0.402
40NHG02B	40NHG02BI		40		3300	16,500	5	
50NHG02B	50NHG02BI		50		5600	27,800	6.4	
63NHG02B	63NHG02BI		63		6600	26,100	5.5	
80NHG02B	80NHG02BI		80		9800	38,900	7.3	
100NHG02B	100NHG02BI		100		20,600	82,300	7.5	
125NHG02B	125NHG02BI		125		25,000	100,000	12	
160NHG02B	160NHG02BI		160		62,000	248,000	12	
200NHG02B	200NHG02BI		200		96,900	367,900	15	
224NHG02B	224NHG02BI		224		124,000	471,200	18	
250NHG02B	250NHG02BI		250		151,300	574,900	19	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 2

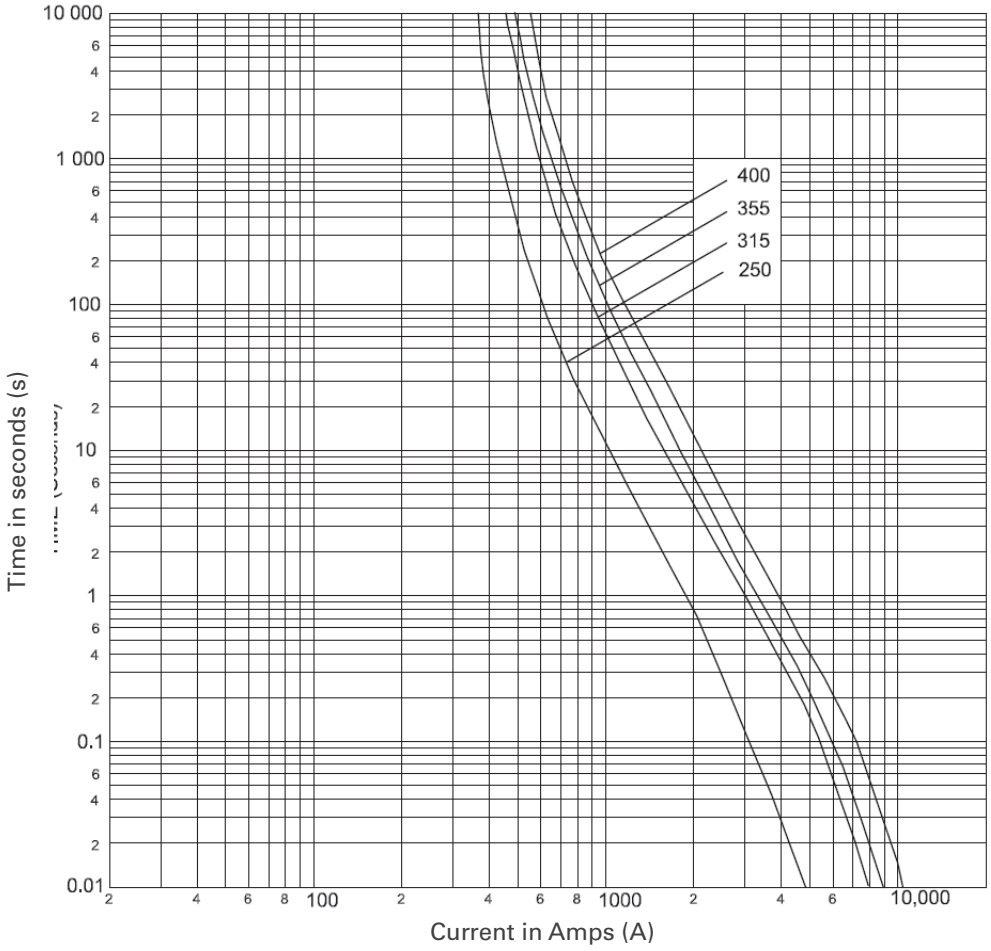


Technical data - NH size 2

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
250NHG2B	250NHG2BI	2	250	500	170,000	437,000	23	0.63
300NHG2B	300NHG1BI		300		320,000	840,000	20	
315NHG2B	315NHG2BI		315		361,700	1,446,500	21	
355NHG2B	355NHG2BI		355		446,500	1,785,800	27	
400NHG2B	400NHG2BI		400		642,900	2,571,500	30	
425NHG2B	425NHG2BI		425		720,000	1,862,000	31	
450NHG2B	450NHG2BI		450		870,000	2,275,000	31	
500NHG2B	500NHG2BI		500	440	1,200,000	2,720,000	37	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 03

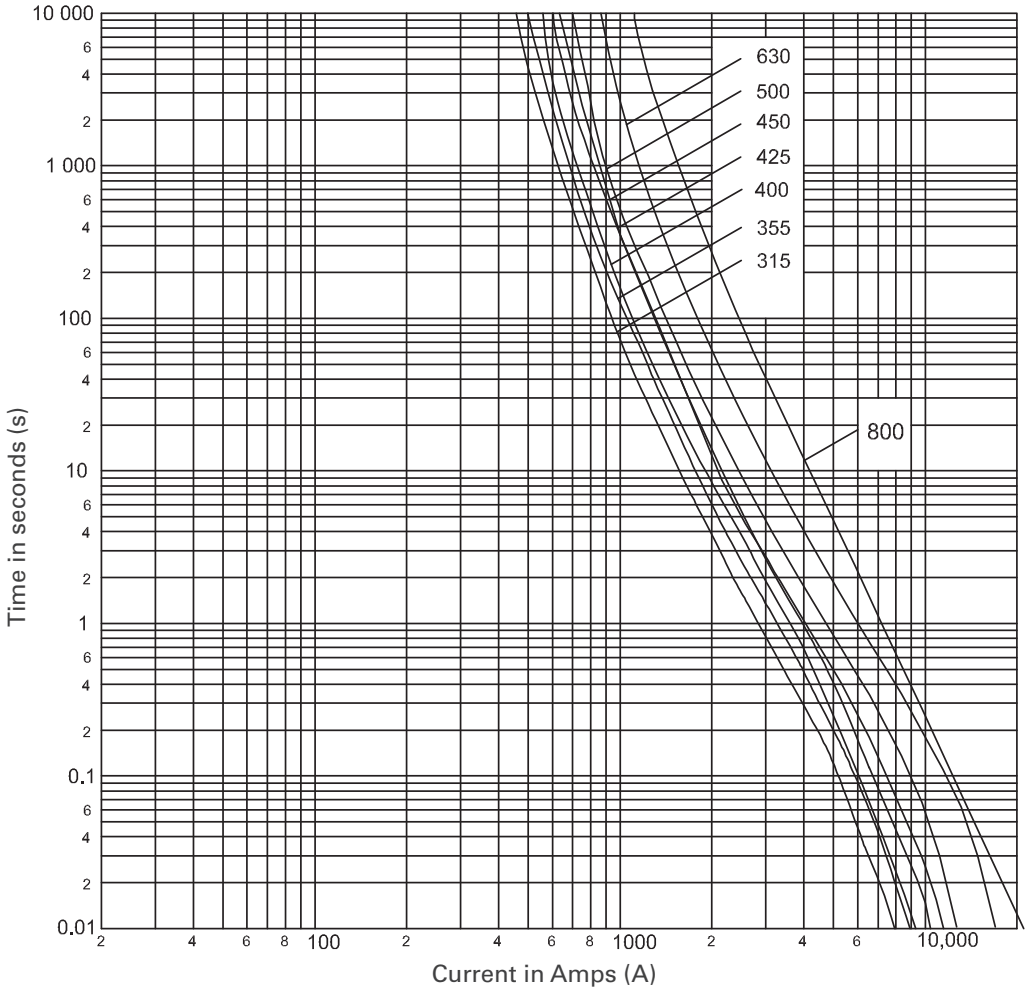


Technical data - NH size 03

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amp)	Rated voltage (Vac)	I^2t (Amps^2 Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I_1 120kA at 500Vac		
250NHG03B	250NHG03BI	03	250	500	160,800	642,900	20	0.64
315NHG03B	315NHG03BI		315		361,700	1,446,500	21	
355NHG03B	355NHG03BI		355		446,500	1,785,800	27	
400NHG03B	400NHG03BI		400		642,900	2,571,500	30	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 3

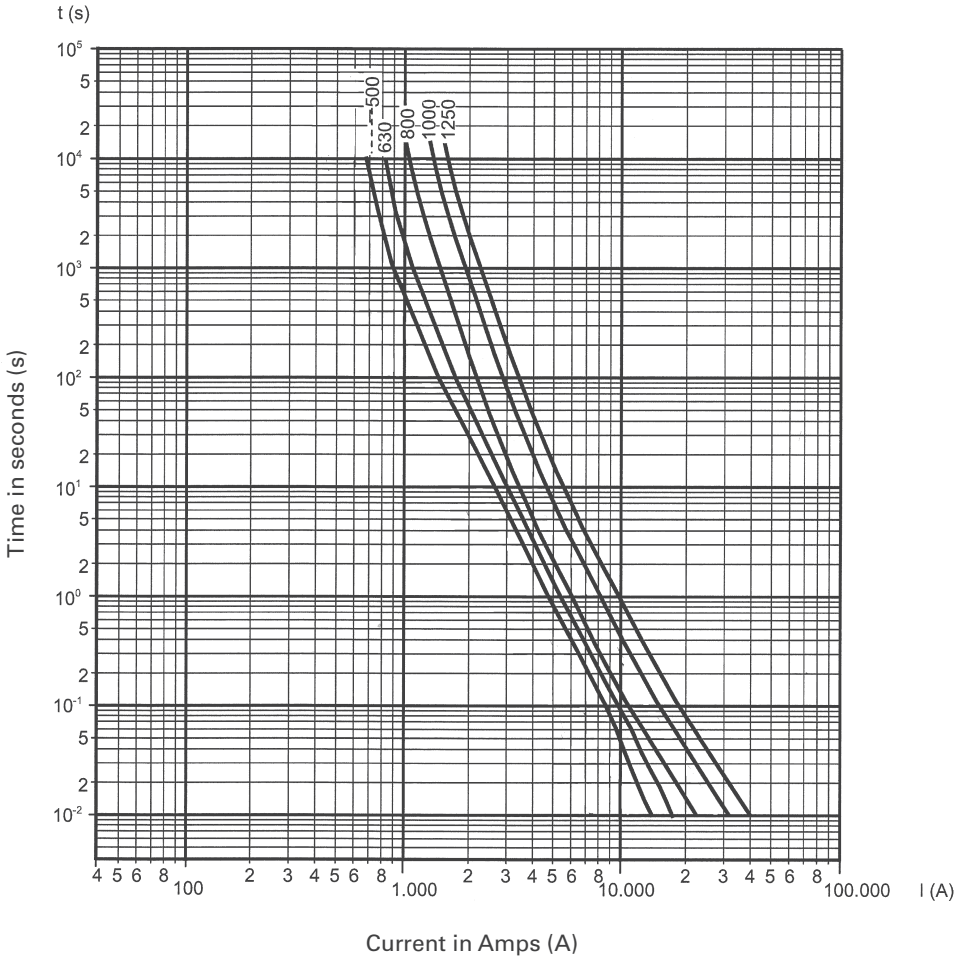


Technical data - NH size 3

Part numbers with metal gripping lugs	Fuse link size	Rated current (Amp)	Rated voltage (Vac)	I^2t (Amps² Seconds)		Watts loss	Net weight per fuse (kg)
				Minimum pre-arcing	*I_1 120kA at 500Vac		
315NHG3B	3	315	500	375,000	970,000	22	1.05
355NHG3B		355		400,000	1,110,000	25	
400NHG3B		400		642,900	2,571,500	30	
425NHG3B		425		570,000	1,934,000	30	
450NHG3B		450		670,000	2,260,000	33	
500NHG3B		500		886,000	3,898,400	37	
630NHG3B		630		1,590,000	6,996,000	47	
800NHG3B		800	440	2,420,000	5,420,000	59	

* I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

Time-current curves - NH size 4*



Technical data - NH size 4*

Part numbers with metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (Vac)	I^2t (Amps^2 Seconds)		Watts loss	Net weight per fuse (kg)
				Minimum pre-arcing	**I_1 120kA at 500Vac		
500NHG4G	4	500	500	800,000	3,850,000	37	2.2
630NHG4G		630		880,000	4,100,000	47	
800NHG4G		800		1,500,000	6,480,000	68	
1000NHG4G		1000		4,800,000	13,000,000	80	
1250NHG4G		1250		7,000,000	18,000,000	108	

* Size 4 NH Fuse links have single indication and slotted tags

** I_1 is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements

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