

1.4

NH Fuse links - 500 V a.c. - class gG/gL

Overview

1.4

500 V a.c. - class gG/gL - 2 to 1250 amps - sizes 000 to 4

Description

A square bodied range of industrial fuse links for a wide variety of applications.

Catalogue numbers structure

- (amp)NHG(size)B e.g. 100NHG01B.

Class of operation

- gL/gG.

Standards / approvals

- IEC 60269-1 and 2, VDE 0636, DIN 43620 and CE.

Technical data

- Sizes 000 to 4
- Voltage: 500 V a.c.
- Current: 2 to 1250 A
- Rated breaking capacity: 120 kA AC
- Operating frequency: 45-62Hz.

Optional microswitch

NH Fuse body size	Suitable microswitch
Size 000	170H0236
Size 00	170H0236
Size 0	170H0236
Size 01	170H0235
Size 1	170H0236
Size 02	BVL50
Size 2	170H0235 or 170H0236
Size 03	BVL50
Size 3	170H0235
Size 4	Not available

Compatible fuse holders

Description	Type	Data sheet number
Fuse bases 1-pole	DIN-Rail mounting SD-D	10163
	Screw mounting SD-S	10163
Fuse bases 3-pole	DIN-Rail mounting TD-D	10163
Fuse bases accessories	IP20, Shroud and phase barriers kits	10163
Fuse rails	Vertical - EBF	10240
Fuse switch disconnectors	Vertical - EBV	10275
	Horizontal - EBH Size 000	10292
	Horizontal - EBH Size 00 to 4	10293



Environmental

- Recyclable
- RoHS compliant
- Lead and cadmium free.

Packaging

- Size 000 to 3: 3 in a pack / Size 4: 1 in a pack.

Features:

- Reliable dual indicator system (size 4 single indication only)
- Low temperature rise
- Globally compliant.

500 V a.c. - class gG/gL - 2 to 1250 amps - sizes 000 to 01

Catalogue numbers

Size	Current (amps)	Voltage (V a.c.)	gG/gL Dual indicator		Pack quantity
			Voltage conducting metal gripping lugs	Insulated metal gripping lugs	
000	2	500	2NHG000B	2NHG000BI	3
	4		4NHG000B	4NHG000BI	
	6		6NHG000B	6NHG000BI	
	10		10NHG000B	10NHG000BI	
	16		16NHG000B	16NHG000BI	
	20		20NHG000B	20NHG000BI	
	25		25NHG000B	25NHG000BI	
	32		32NHG000B	32NHG000BI	
	35		35NHG000B	35NHG000BI	
	40		40NHG000B	40NHG000BI	
	50		50NHG000B	50NHG000BI	
	63		63NHG000B	63NHG000BI	
	80		80NHG000B	80NHG000BI	
100	100NHG000B	100NHG000BI			
00	50	500	50NHG00B	50NHG00BI*	3
	63		63NHG00B	63NHG00BI*	
	80		80NHG00B	80NHG00BI*	
	100		100NHG00B	100NHG00BI*	
	125		125NHG00B	125NHG00BI	
0	6	500	6NHG0B	-	3
	10		10NHG0B	-	
	16		16NHG0B	-	
	20		20NHG0B	-	
	25		25NHG0B	-	
	32		32NHG0B	-	
	35		35NHG0B	-	
	40		40NHG0B	-	
	50		50NHG0B	-	
	63		63NHG0B	-	
	80		80NHG0B	-	
	100		100NHG0B	-	
	125		125NHG0B	-	
160	160NHG0B	-			
01	6	500	6NHG01B	6NHG01BI	3
	10		10NHG01B	10NHG01BI	
	16		16NHG01B	16NHG01BI	
	20		20NHG01B	20NHG01BI	
	25		25NHG01B	25NHG01BI	
	32		32NHG01B	32NHG01BI	
	35		35NHG01B	35NHG01BI	
	40		40NHG01B	40NHG01BI	
	50		50NHG01B	50NHG01BI	
	63		63NHG01B	63NHG01BI	
	80		80NHG01B	80NHG01BI	
	100		100NHG01B	100NHG01BI	
	125		125NHG01B	125NHG01BI	
160	160NHG01B	160NHG01BI			



* Available upon request

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NH Fuse links - 500 V a.c. - class gG/gL

Catalogue numbers

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500 V a.c. - class gG/gL - 2 to 1250 amps - sizes 1 to 4

Catalogue numbers

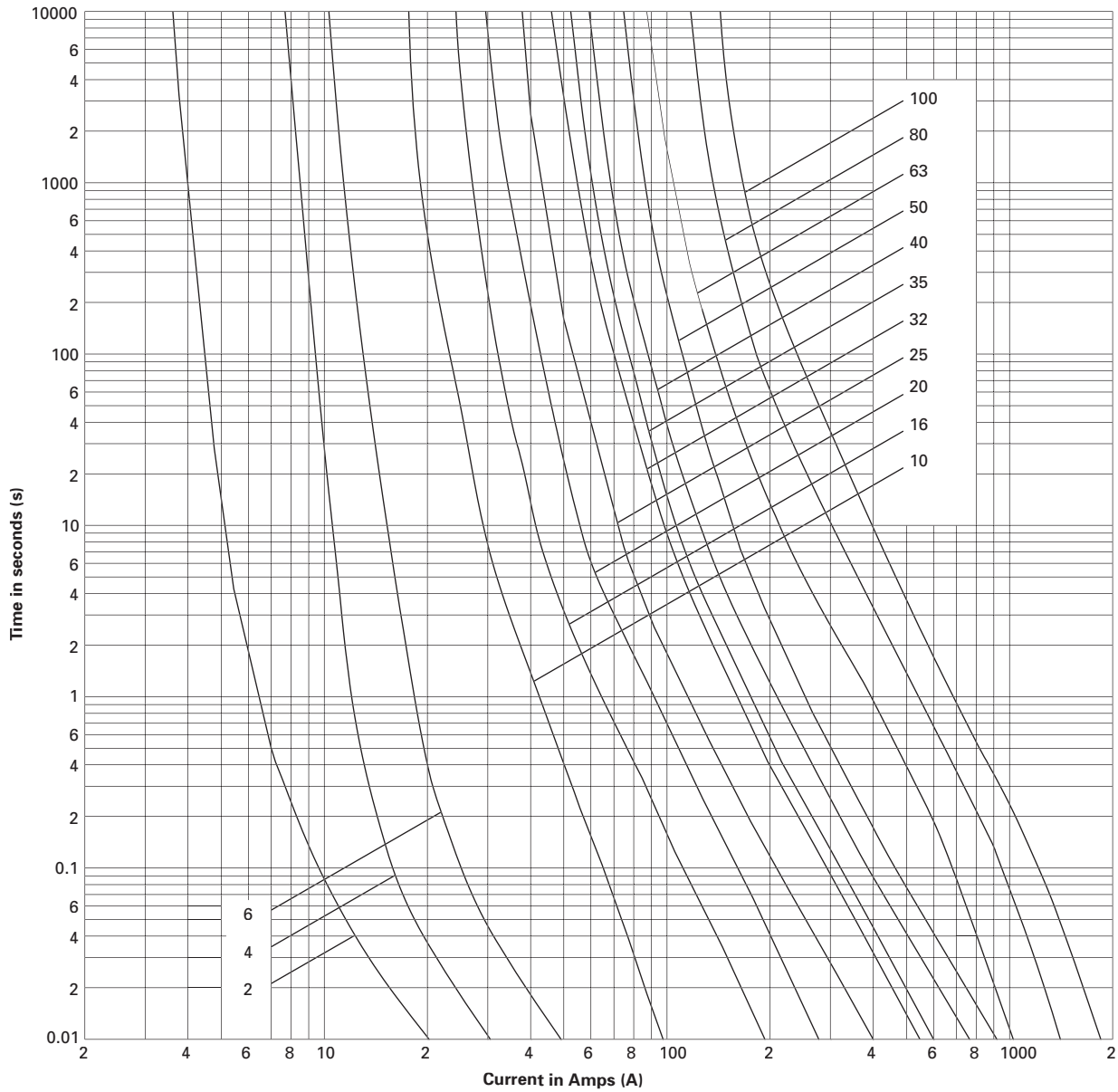
Size	Current (amps)	Voltage (V a.c.)	gG/gL Dual Indicator		Pack quantity		
			Voltage conducting metal gripping lugs	Insulated metal gripping lugs			
1	50	500	50NHG1B	50NHG1BI	3		
	63		63NHG1B	63NHG1BI			
	80		80NHG1B	80NHG1BI			
	100		100NHG1B	100NHG1BI			
	125		125NHG1B	125NHG1BI			
	160		160NHG1B	160NHG1BI			
	200		200NHG1B	200NHG1BI			
	224		224NHG1B	224NHG1BI			
	250		250NHG1B	250NHG1BI			
	315		440	315NHG1B		-	3
355	355NHG1B	-					
02	35	500	35NHG02B	35NHG02BI	3		
	40		40NHG02B	40NHG02BI			
	50		50NHG02B	50NHG02BI			
	63		63NHG02B	63NHG02BI			
	80		80NHG02B	80NHG02BI			
	100		100NHG02B	100NHG02BI			
	125		125NHG02B	125NHG02BI			
	160		160NHG02B	160NHG02BI			
	200		200NHG02B	200NHG02BI			
	224		224NHG02B	224NHG02BI			
250	250NHG02B	250NHG02BI					
2	250	500	250NHG2B	250NHG2BI	3		
	300		300NHG2B	300NHG2BI			
	315		315NHG2B	315NHG2BI			
	355		355NHG2B	355NHG2BI			
	400		400NHG2B	400NHG2BI			
	425		425NHG2B	-			
	450		450NHG2B	-			
	500		440	500NHG2B		-	3
03	250	500	250NHG03B	250NHG03BI	3		
	315		315NHG03B	315NHG03BI			
	355		355NHG03B	355NHG03BI			
	400		400NHG03B	400NHG03BI			
3	315	500	315NHG3B	-	3		
	355		355NHG3B	-			
	400		400NHG3B	-			
	425		425NHG3B	-			
	450		450NHG3B	-			
	500		500NHG3B	-			
	630		630NHG3B	-			
	800		440	800NHG3B		-	3
4**	500	500	500NHG4G	-	1		
	630		630NHG4G	-			
	800		800NHG4G	-			
	1000		1000NHG4G	-			
	1250		1250NHG4G	-			



** Size 4 NH is a single indication fuse with slotted end tags

500 V a.c. - class gG/gL - 2 to 100 amps - size 000

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I^2t (Amps ² seconds)			Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ , 120 kA at 500 V a.c.	Watts loss (W)	
2NHG000B	2NHG000BI	000	2	500	3.5	6	3.9	0.130
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	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements
Data sheet 10164

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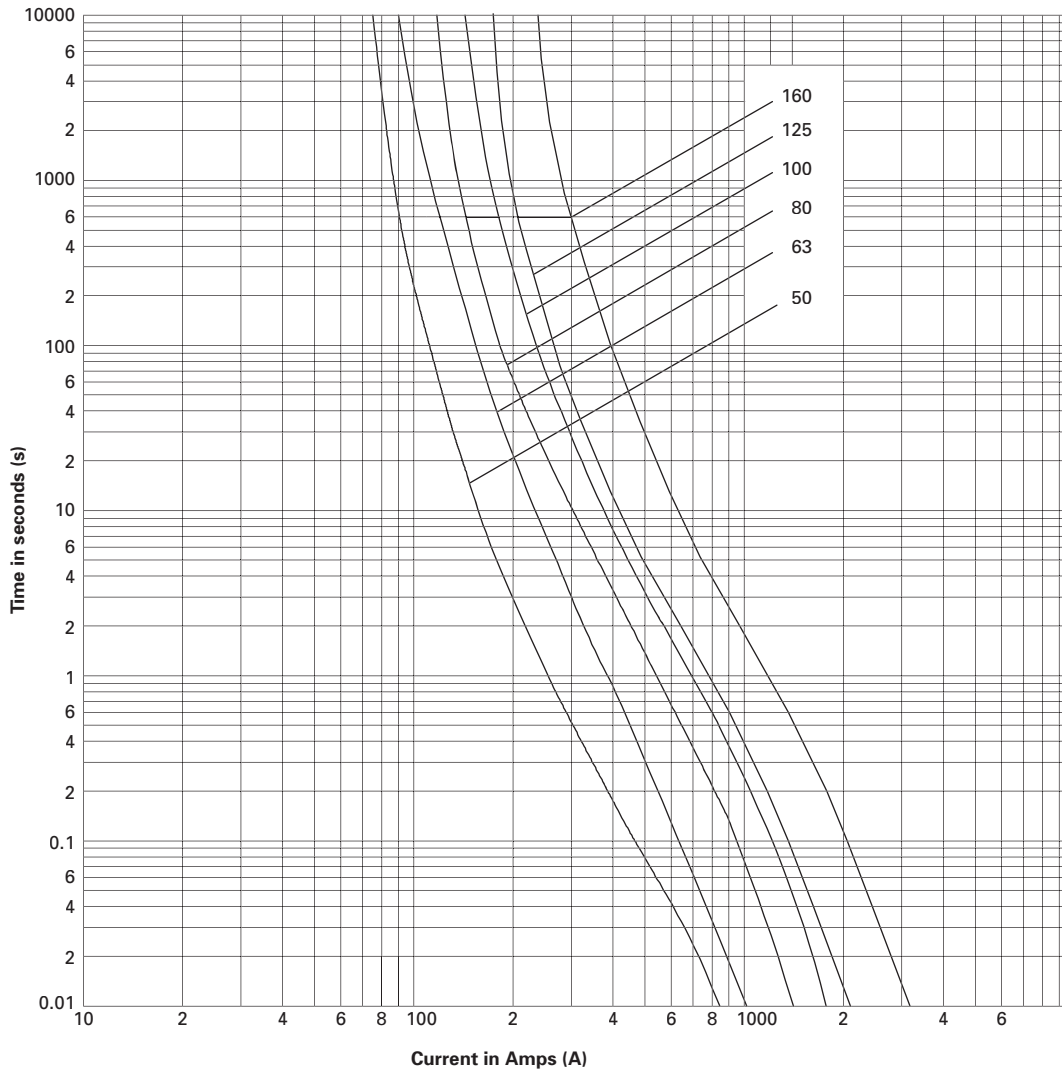
NH Fuse links - 500 V a.c. - class gG/gL

Time-current characteristics and technical data

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500 V a.c. - class gG/gL - 50 to 160 amps - size 00

Time-current characteristics



Technical data

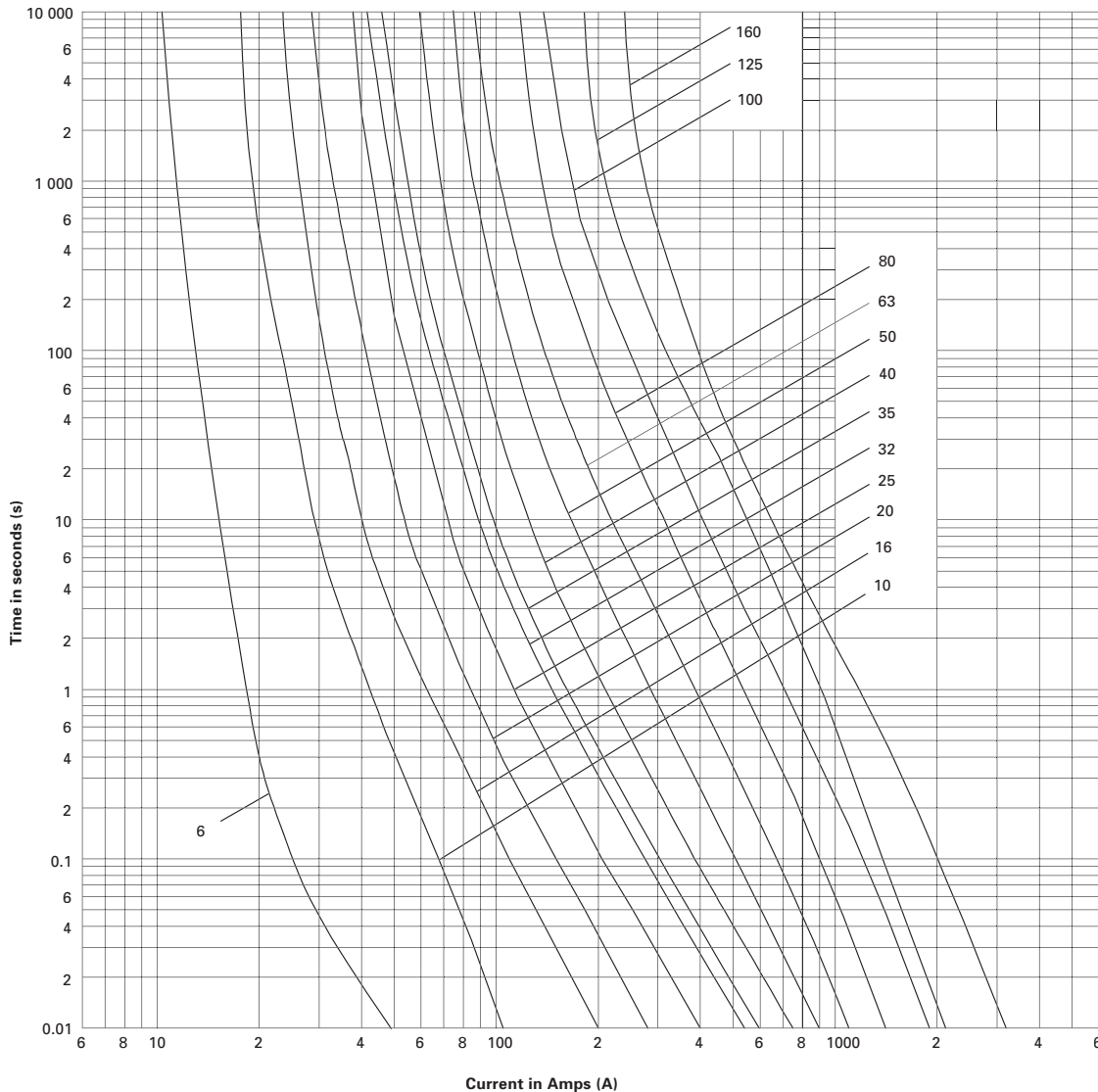
Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)			Watts loss (W)	Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ 120 kA at 500 V a.c.			
50NHG00B	50NHG00BI**	00	50	500	5800	21,500	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		

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

** Parts available upon request

500 V a.c. - class gG/gL - 6 to 160 amps - size 0

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)			Net weight per fuse (kg)
				Minimum Pre-arcing	*I ₁ 120 kA at 500 V a.c.	Watts loss (W)	
6NHGOB	0	6	500	14	21	2	0.260
10NHGOB		10		58	290	2	
16NHGOB		16		240	1200	3	
20NHGOB		20		490	2500	3.5	
25NHGOB		25		1200	5600	3.2	
32NHGOB		32		1800	9000	4.8	
35NHGOB		35		2400	11,800	4.7	
40NHGOB		40		3300	16,500	5	
50NHGOB		50		5600	27,800	6.3	
63NHGOB		63		6600	26,100	5.6	
80NHGOB		80		9800	38,900	7.1	
100NHGOB		100		20,600	82,300	7.5	
125NHGOB		125		25,000	125,000	11.8	
160NHGOB		160		62,000	310,000	12.3	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

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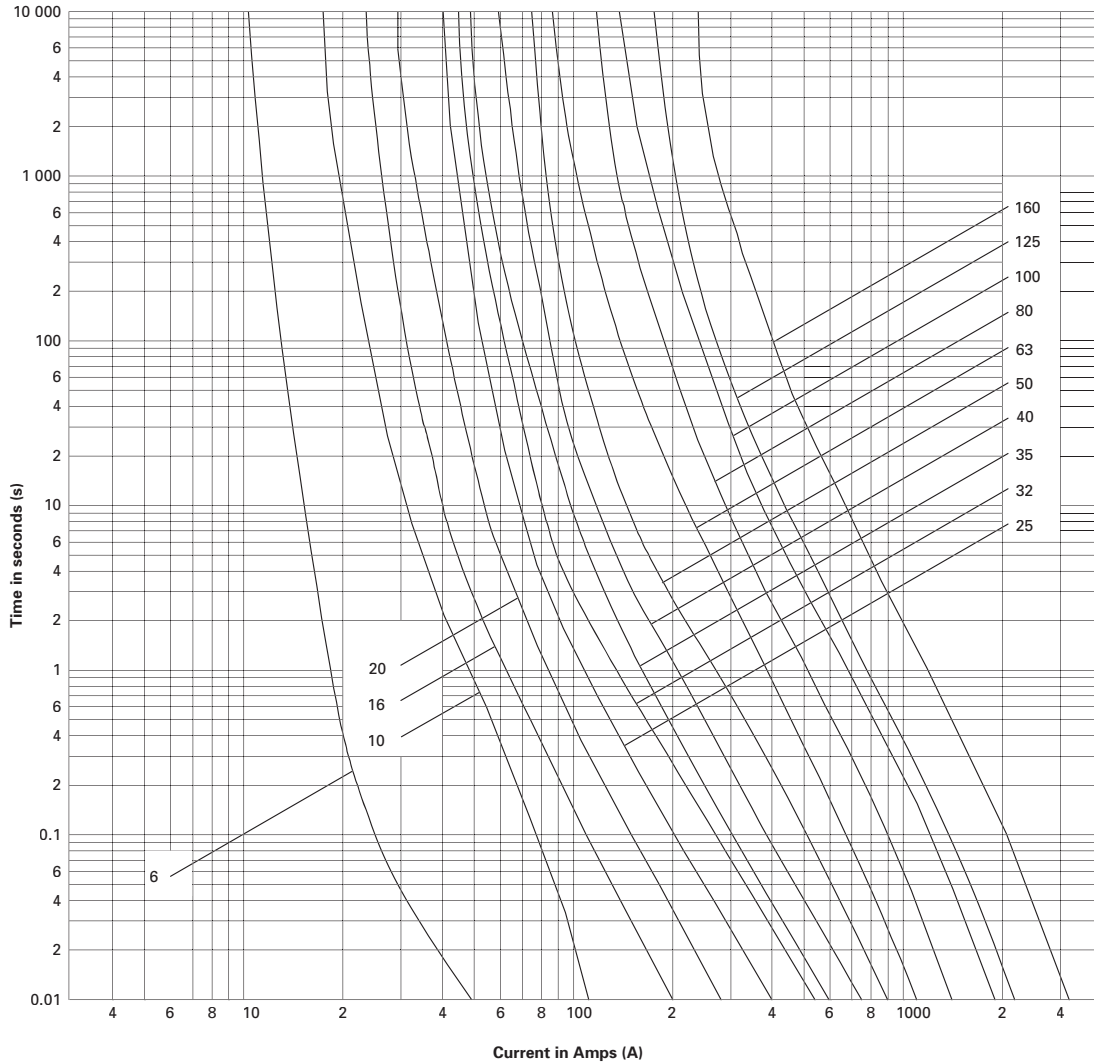
NH Fuse links - 500 V a.c. - class gG/gL

Time-current characteristics and technical data

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500 V a.c. - class gG/gL - 6 to 160 amps - size 01

Time-current characteristics



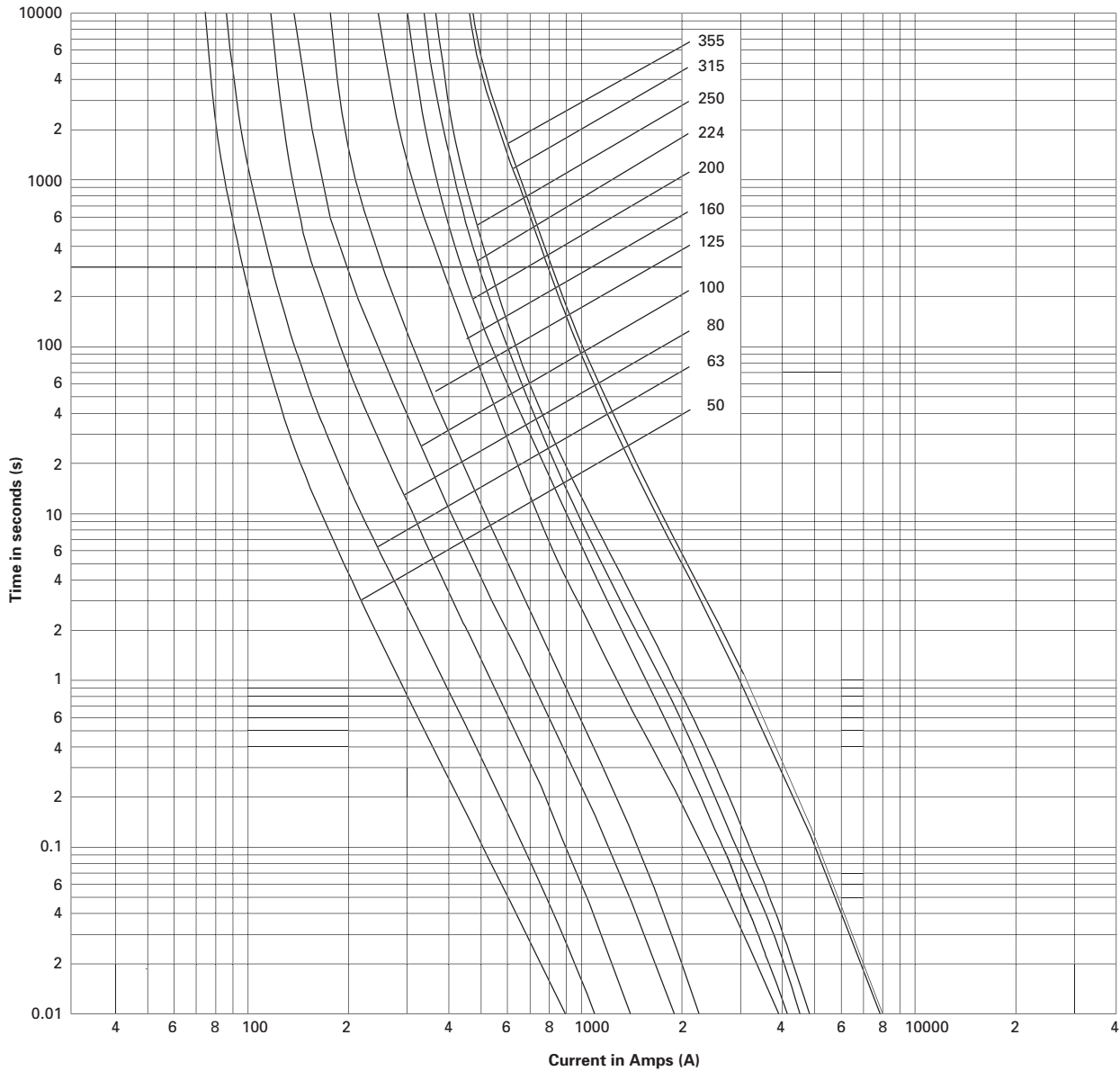
Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)			Net weight per fuse (kg)
					Minimum Pre-arcing	*I _b , 120 kA at 500 V a.c.	Watts loss (W)	
6NHG01B	6NHG01BI	01	6	500	14	21	2	0.270
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_b is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

500 V a.c. - class gG/gL - 50 to 355 amps - size 1

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ , 120 kA at 500 V a.c.		
50NHG1B	50NHG1BI	1	50	500	6350	18,000	6.4	0.390
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	-		315	440	320,000	750,000	22	
355NHG1B	-		355		320,000	750,000	32	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

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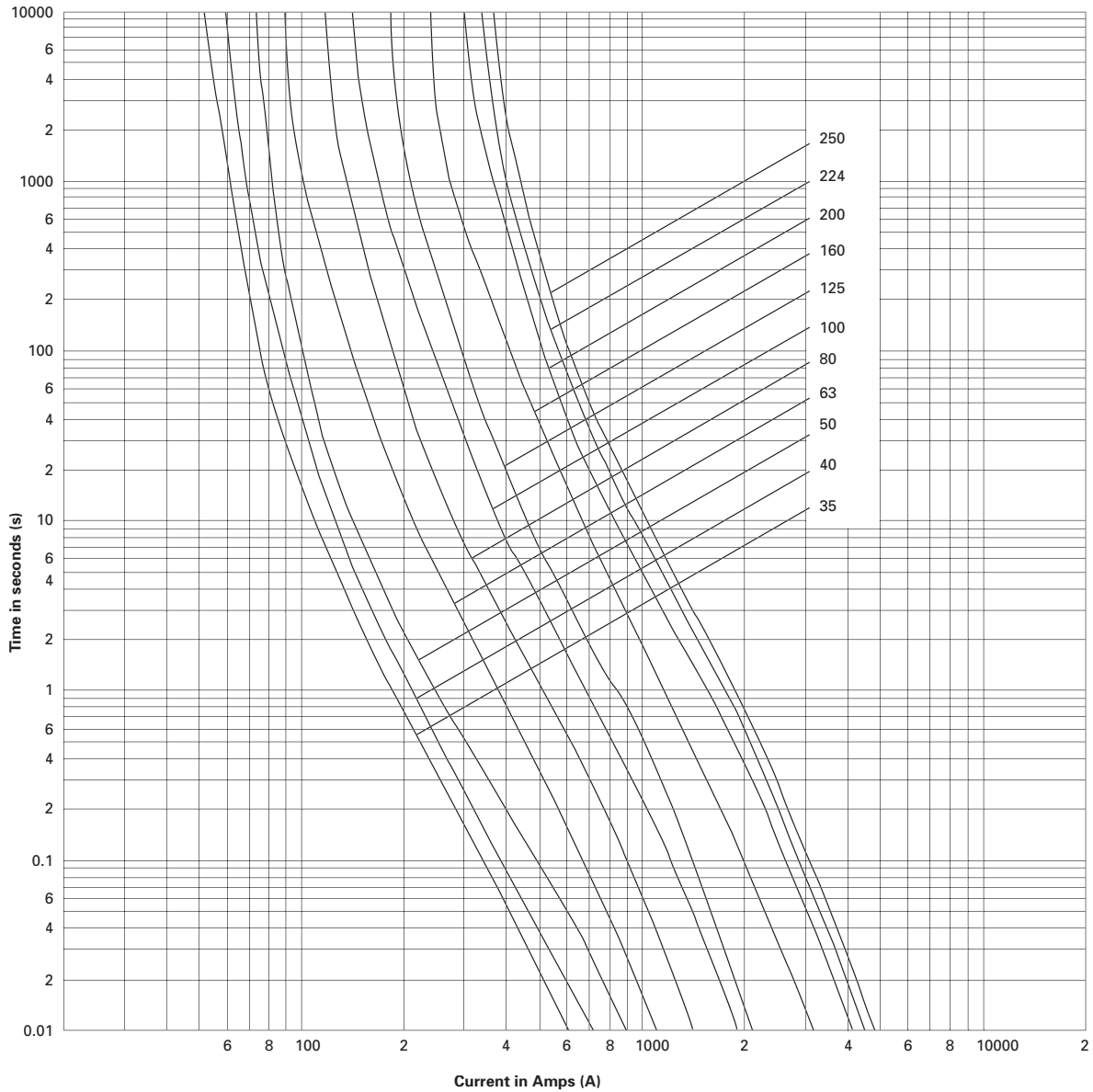
NH Fuse links - 500 V a.c. - class gG/gL

Time-current characteristics and technical data

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500 V a.c. - class gG/gL - 35 to 250 amps - size 02

Time-current characteristics



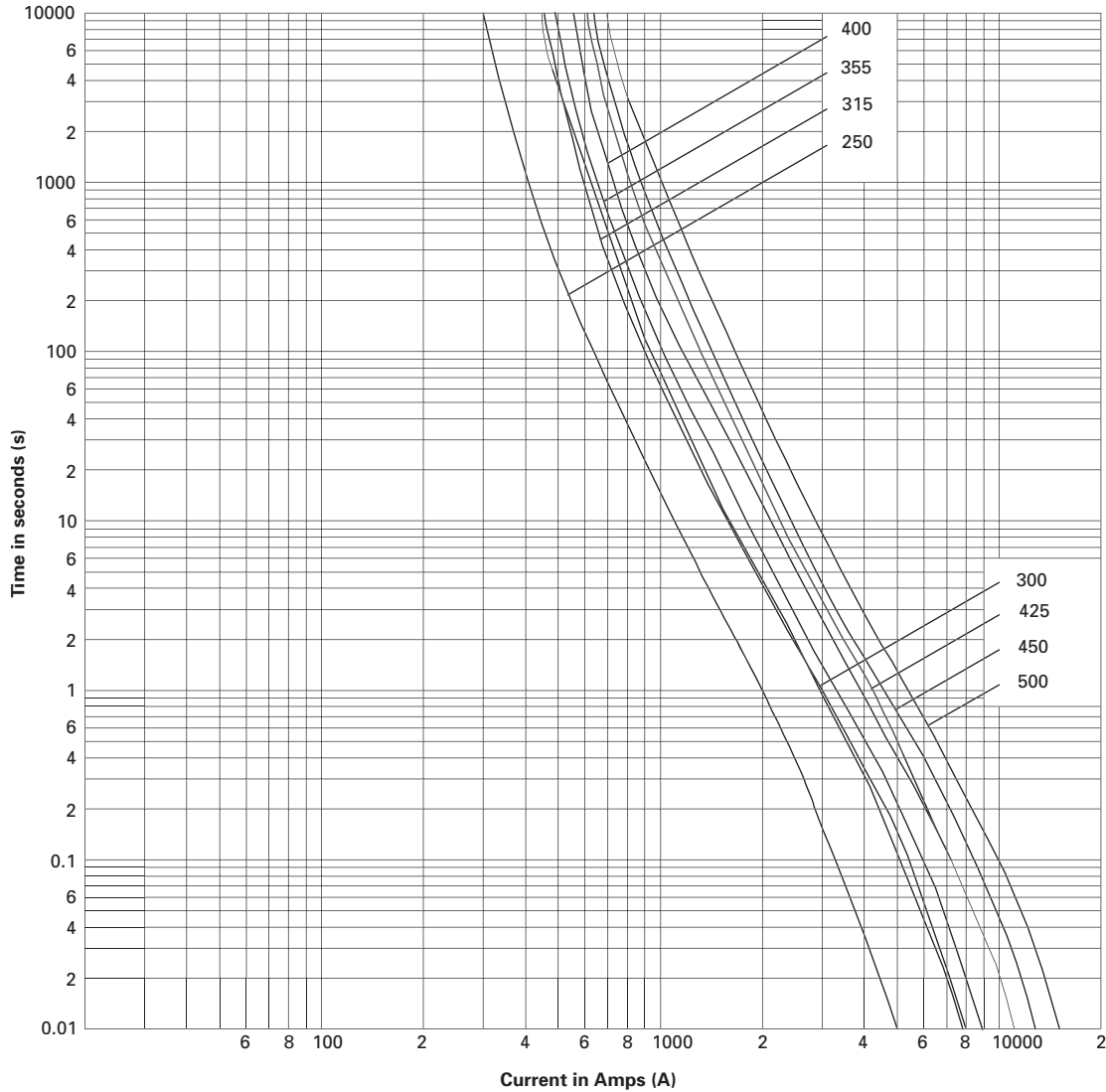
Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ 120 kA at 500 V a.c.		
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	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

500 V a.c. - class gG/gL - 250 to 500 amps - size 2

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ 120 kA at 500 V a.c.		
250NHG2B	250NHG2BI	2	250	500	170,000	437,000	23	0.630
300NHG2B	300NHG2BI		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	-		425		720,000	1,862,000	31	
450NHG2B	-		450		870,000	2,275,000	31	
500NHG2B	-	2	500	440	1,200,000	2,720,000	37	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

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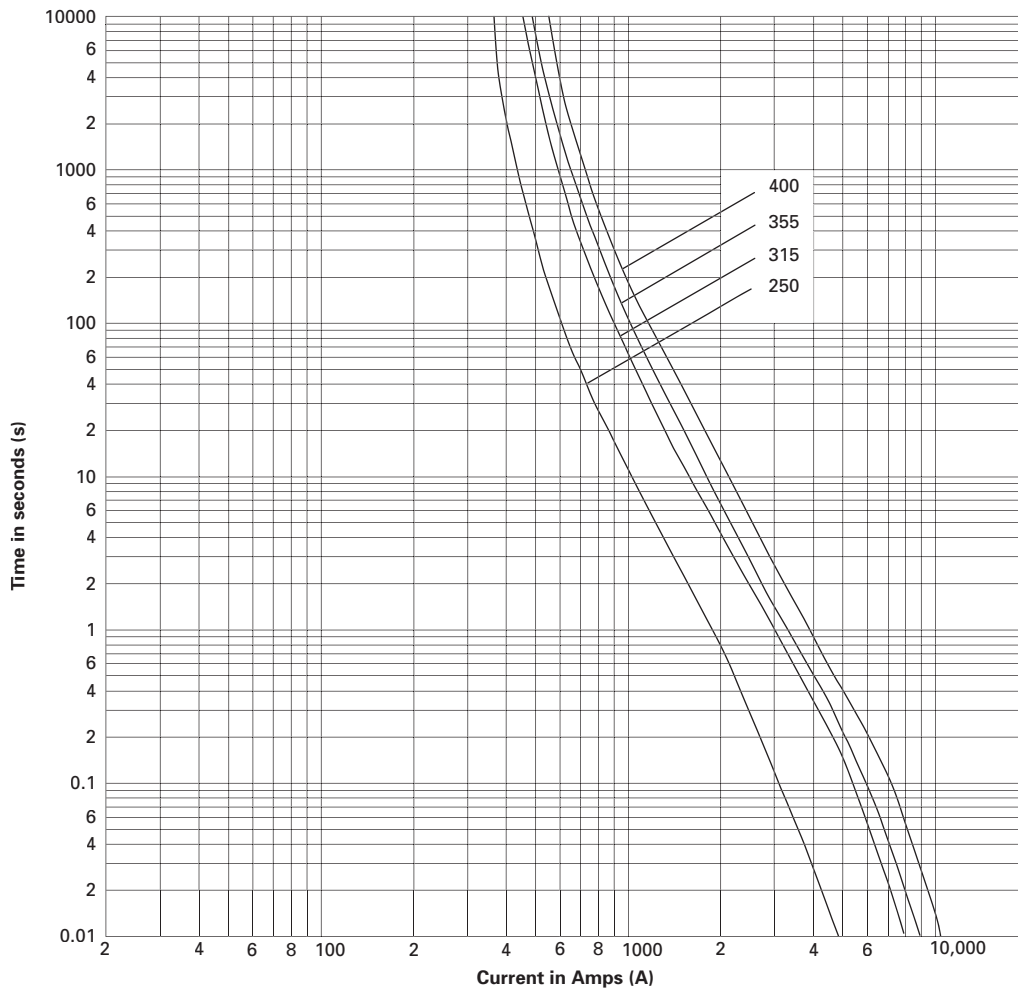
NH Fuse links - 500 V a.c. - class gG/gL

Time-current characteristics and technical data

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500 V a.c. - class gG/gL - 250 to 400 amps - size 03

Time-current characteristics



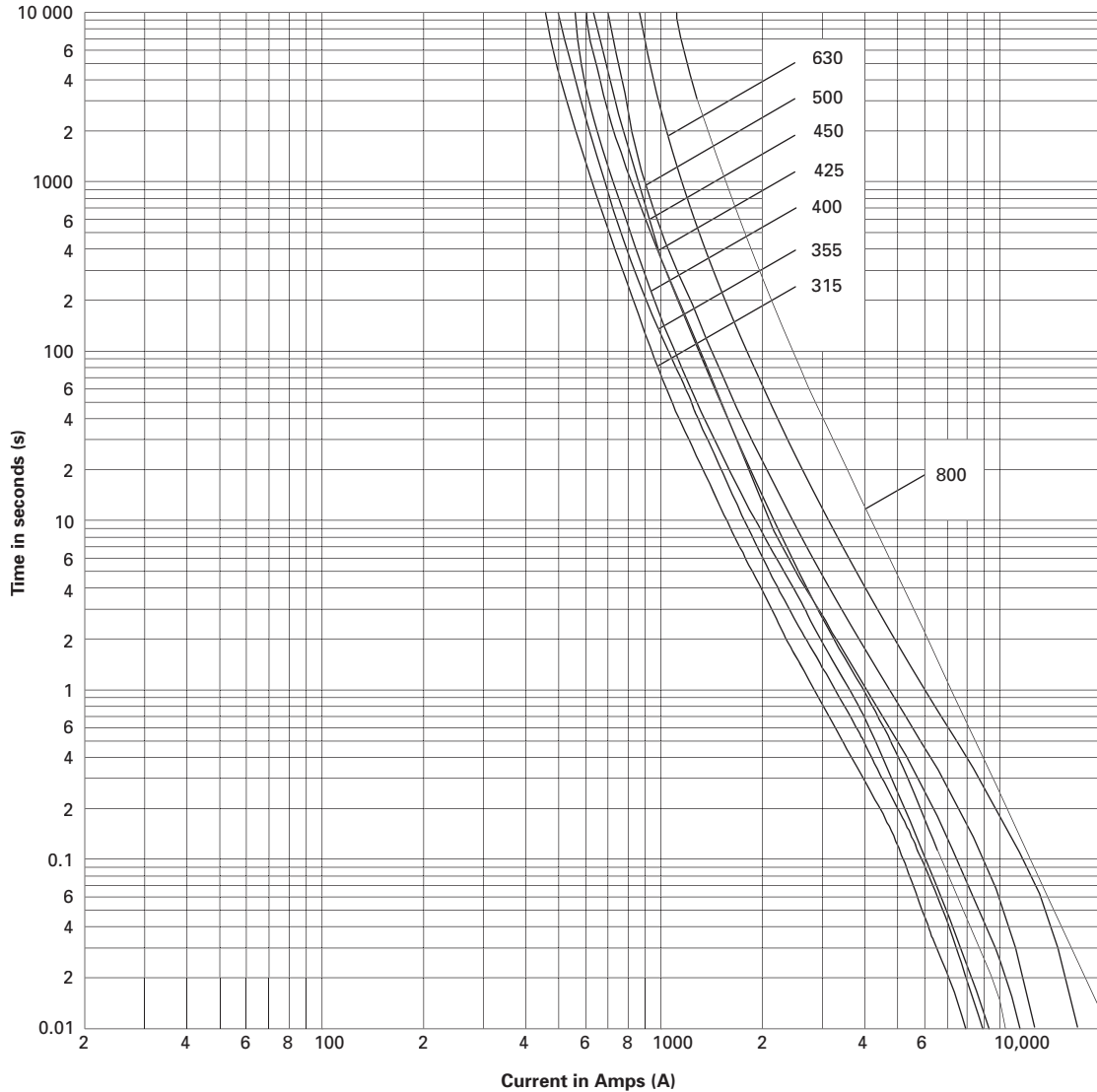
Technical data

Catalogue numbers with metal gripping lugs	Catalogue numbers with insulated metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
					Minimum Pre-arcing	*I ₁ , 120 kA at 500 V a.c.		
250NHG03B	250NHG03BI	03	250	500	160,800	642,900	20	0.640
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	

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

500 V a.c. - class gG/gL - 315 to 800 amps - size 3

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
				Minimum Pre-arcing	*I ₁ 120 kA at 500 V a.c.		
315NHG3B	3	315	500	375,000	970,000	22	1.050
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	3	800	440	2,420,000	5,420,000	59	1.050

* I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements

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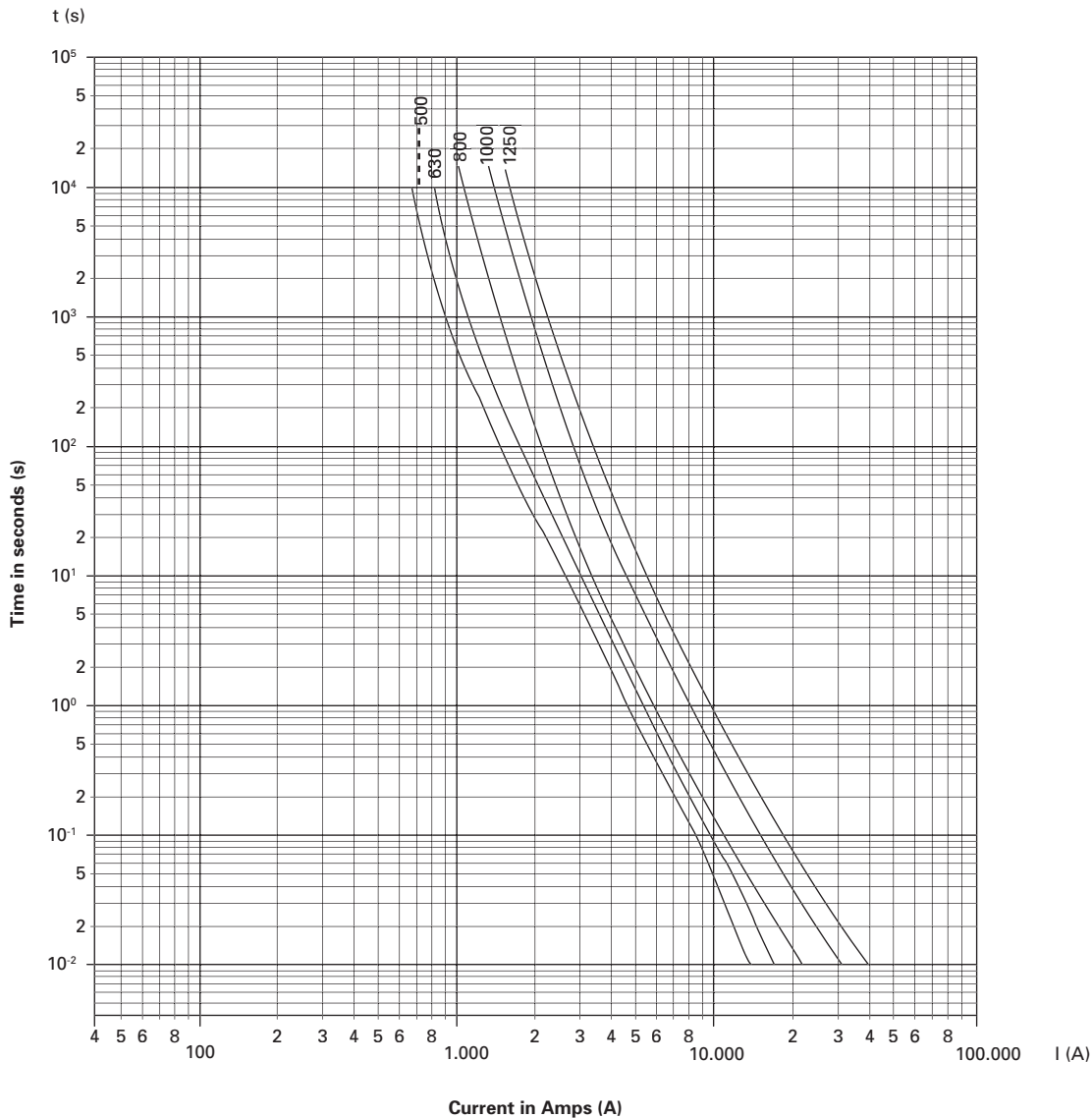
NH Fuse links - 500 V a.c. - class gG/gL

Time-current characteristics and technical data

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500 V a.c. - class gG/gL - 500 to 1250 amps - size 4*

Time-current characteristics



Technical data

Catalogue numbers with metal gripping lugs	Fuse link size	Current (amps)	Voltage (V a.c.)	I ² t (Amps ² seconds)		Watts loss (W)	Net weight per fuse (kg)
				Minimum Pre-arcing	**I ₁ 120 kA at 500 V a.c.		
500NHG4G	4	500	500	800,000	3,850,000	37	2.200
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 is a single indication fuse with slotted end tags

** I₁ is the maximum breaking capacity test at voltage according to IEC 60269-1 and 2 requirements