Technical Data **720099**

Effective July 2026
Supersedes October 2017

BUSSMANN SERIES

400 Volts gG/gL NH Fuse links



Product description

Eaton's Bussmann® series 400 V a.c. NH square bodied industrial fuse links are suitable for a wide variety of applications.

Standard features

- Reliable dual indicator system
- Low temperature rise
- Globally compliant
- Compatible with Eaton's Bussmann series NH bases and NH Fuse gear

Powering Business Worldwide

Catalogue symbol:

- (amp)NHG(size)B-400 with conducting metal gripping lugs
- (amp(NHG(size)BI-400 with insulated metal gripping lugs

Fuse body size:

- 000 to 3

Technical data:

- Volts: 400 V a.c.
- Amps: 2 to 630 A
- Breaking capacity: 120 kA AC
- Operating frequency: 45-62 Hz
- Class of operation: gG/gL

Standards/Approvals:

- IEC 60269
- VDE 0636
- DIN 43620
- CE

Packaging:

- Sizes 000 to 3: 3 per carton

Microswitches

NH Fuse link body size	Suitable microswitch
000	170H0236
00	170H0236
01	170H0235
1	170H0236
02	BVL50
2	170H0235 or 170H0236
03	BVL50
3	170H0235

Compatible fuse holders and fuse gear

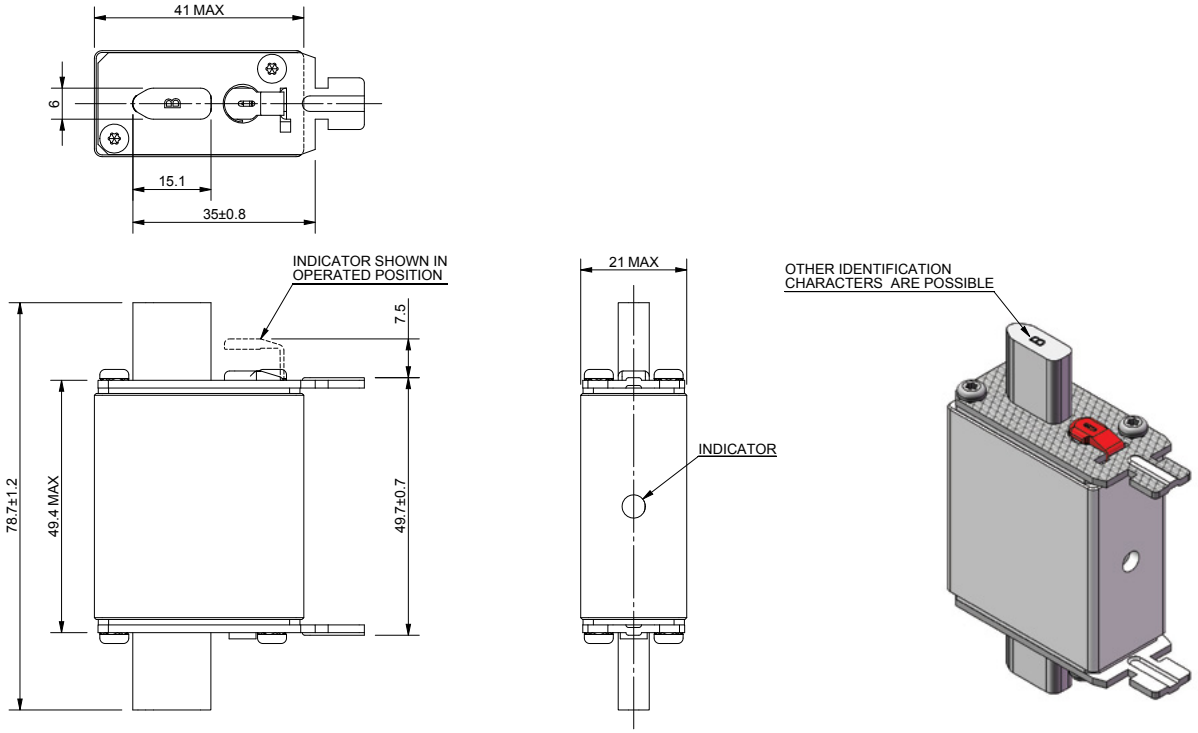
Description	Type	Data sheet number
Fuse bases 1-pole	DIN-Rail mounting SD-D	10163
	Screw mounting SD-S	10163
Fuse bases 3-pole	DIN-Rail mounting TD-D	10163
Fuse bases accessories	IP20, Shroud and phase barriers kits	10163
Fuse rails	Vertical EBF	10240
Fuse switch disconnectors	Vertical EBV	10275
	Horizontal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

Table 1. Part numbers

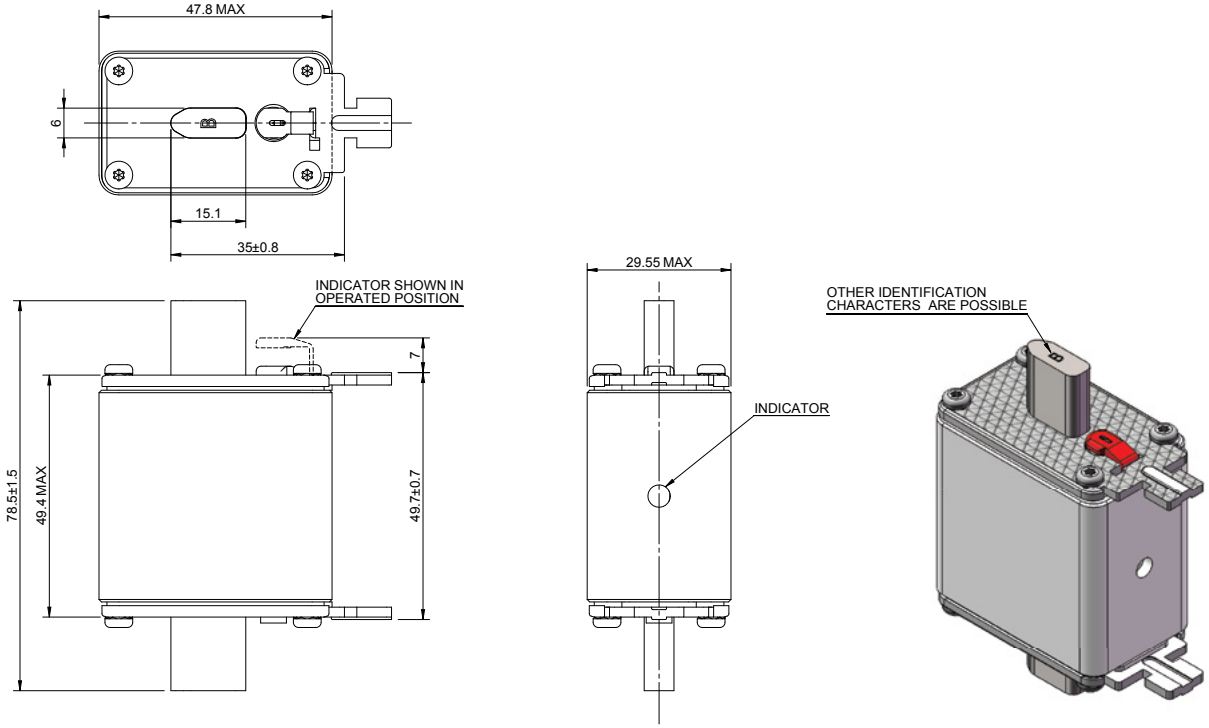
Size	Rated current (Amps)	gG/gL dual indicator		Pack quantity
		Voltage conducting metal gripping lugs	Insulated metal gripping lugs	
000	2	2NHG000B-400	2NHG000BI-400	3
	4	4NHG000B-400	4NHG000BI-400	
	6	6NHG000B-400	6NHG000BI-400	
	10	10NHG000B-400	10NHG000BI-400	
	16	16NHG000B-400	16NHG000BI-400	
	20	20NHG000B-400	20NHG000BI-400	
	25	25NHG000B-400	25NHG000BI-400	
	32	32NHG000B-400	32NHG000BI-400	
	35	35NHG000B-400	35NHG000BI-400	
	40	40NHG000B-400	40NHG000BI-400	
	50	50NHG000B-400	50NHG000BI-400	
	63	63NHG000B-400	63NHG000BI-400	
	80	80NHG000B-400	80NHG000BI-400	
	100	100NHG000B-400	100NHG000BI-400	
00	125	125NHG00B-400	125NHG00BI-400	
	160	160NHG00B-400	160NHG00BI-400	
01	35	35NHG01B-400	35NHG01BI-400	
	40	40NHG01B-400	40NHG01BI-400	
	50	50NHG01B-400	50NHG01BI-400	
	63	63NHG01B-400	63NHG01BI-400	
	80	80NHG01B-400	80NHG01BI-400	
	100	100NHG01B-400	100NHG01BI-400	
	125	125NHG01B-400	125NHG01BI-400	
	160	160NHG01B-400	160NHG01BI-400	
1	200	200NHG1B-400	200NHG1BI-400	
	224	224NHG1B-400	224NHG1BI-400	
	250	250NHG1B-400	250NHG1BI-400	
02	35	35NHG02B-400	35NHG02BI-400	
	40	40NHG02B-400	40NHG02BI-400	
	50	50NHG02B-400	50NHG02BI-400	
	63	63NHG02B-400	63NHG02BI-400	
	80	80NHG02B-400	80NHG02BI-400	
	100	100NHG02B-400	100NHG02BI-400	
	125	125NHG02B-400	125NHG02BI-400	
	160	160NHG02B-400	160NHG02BI-400	
	200	200NHG02B-400	200NHG02BI-400	
	224	224NHG02B-400	224NHG02BI-400	
	250	250NHG02B-400	250NHG02BI-400	
2	315	315NHG2B-400	315NHG2BI-400	
	355	355NHG2B-400	355NHG2BI-400	
	400	400NHG2B-400	400NHG2BI-400	
	630	630NHG2B-400	-	
03	250	250NHG03B-400	250NHG03BI-400	
	315	315NHG03B-400	315NHG03BI-400	
	355	355NHG03B-400	355NHG03BI-400	
	400	400NHG03B-400	400NHG03BI-400	
3	500	500NHG3B-400	500NHG3BI-400	
	630	630NHG3B-400	630NHG3BI-400	

* Available upon request

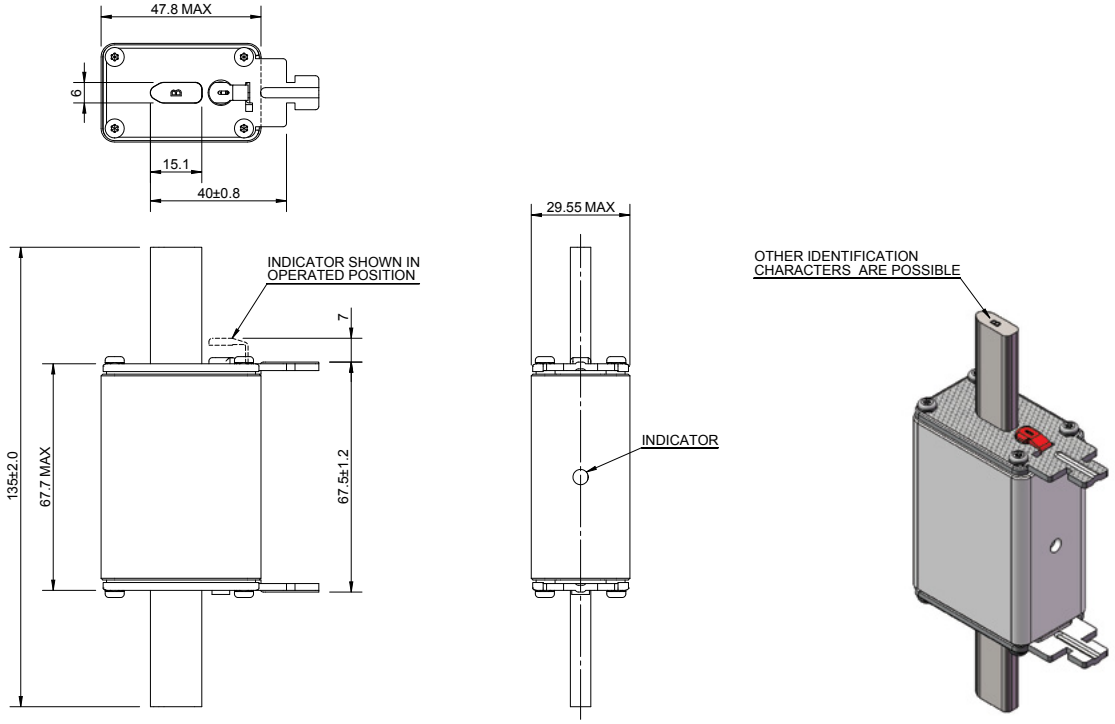
Dimensions (mm) - Size 000



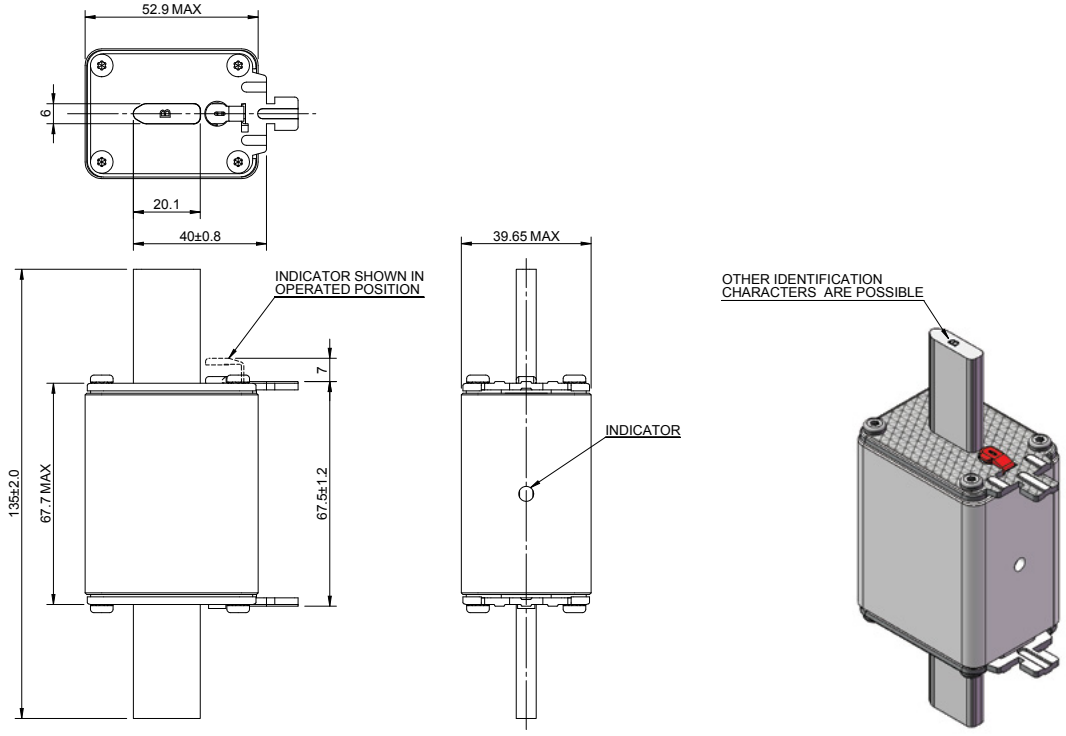
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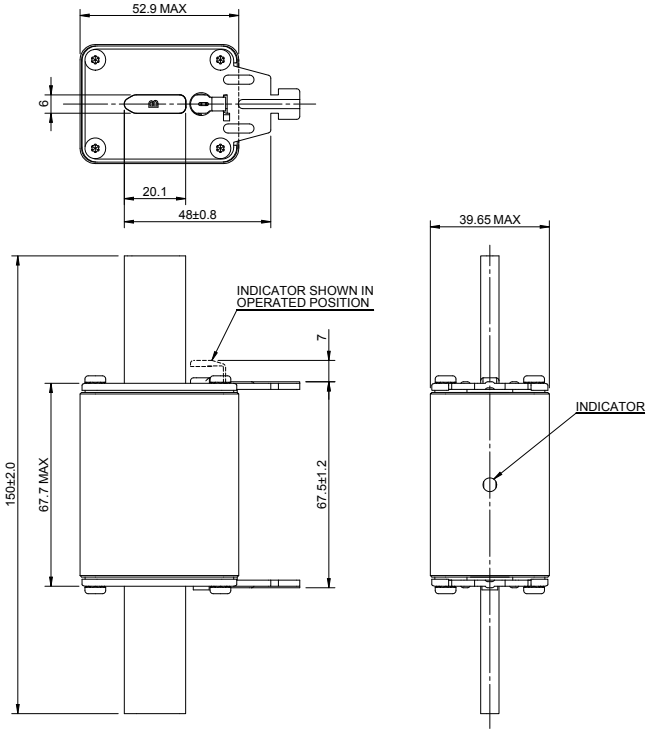
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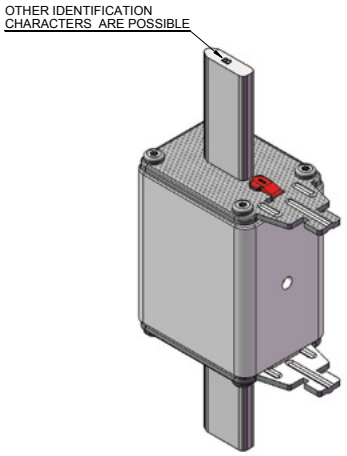


Dimensions (mm) - Size 1

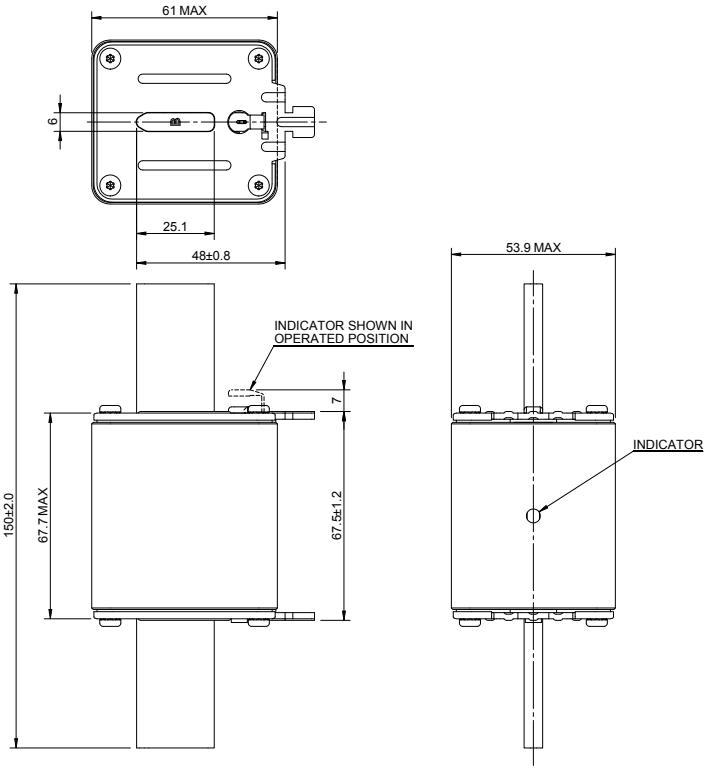


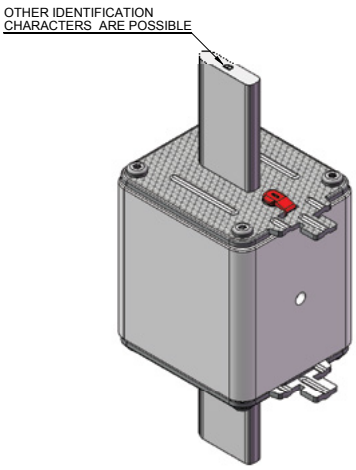
Dimensions (mm) - Size 02



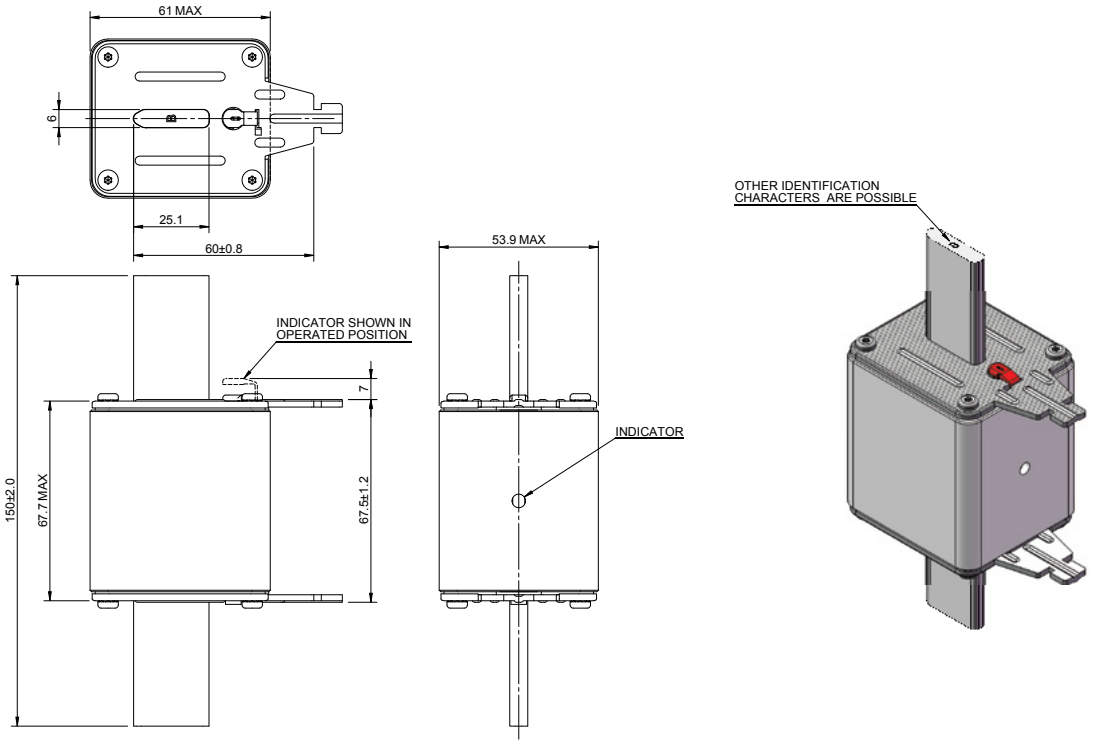


Dimensions (mm) - Size 2

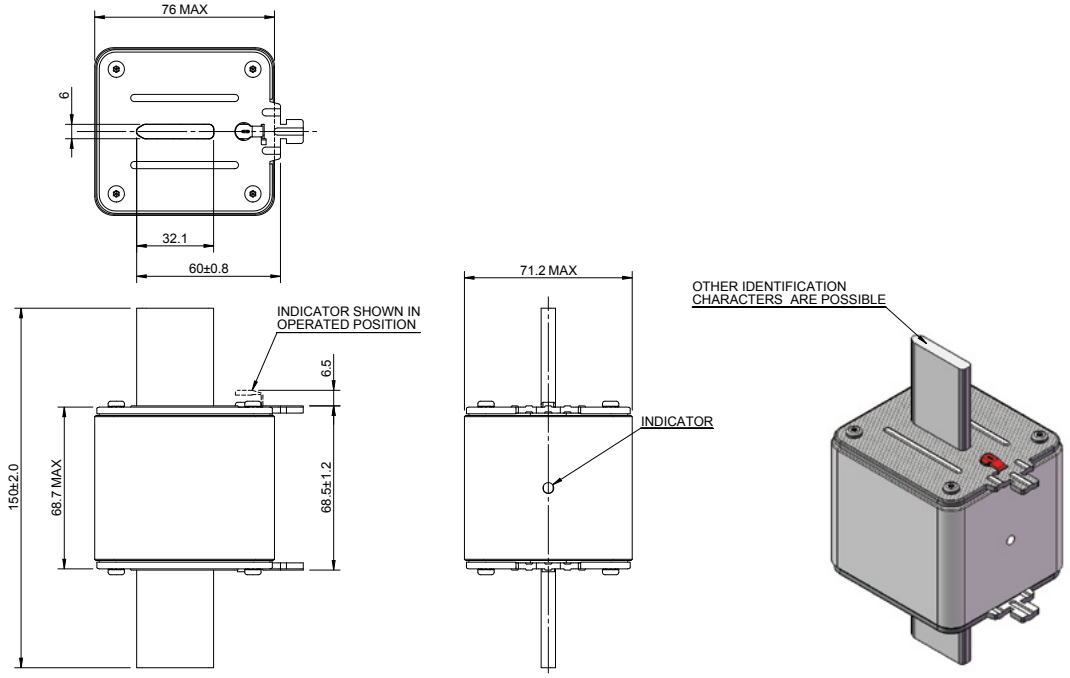




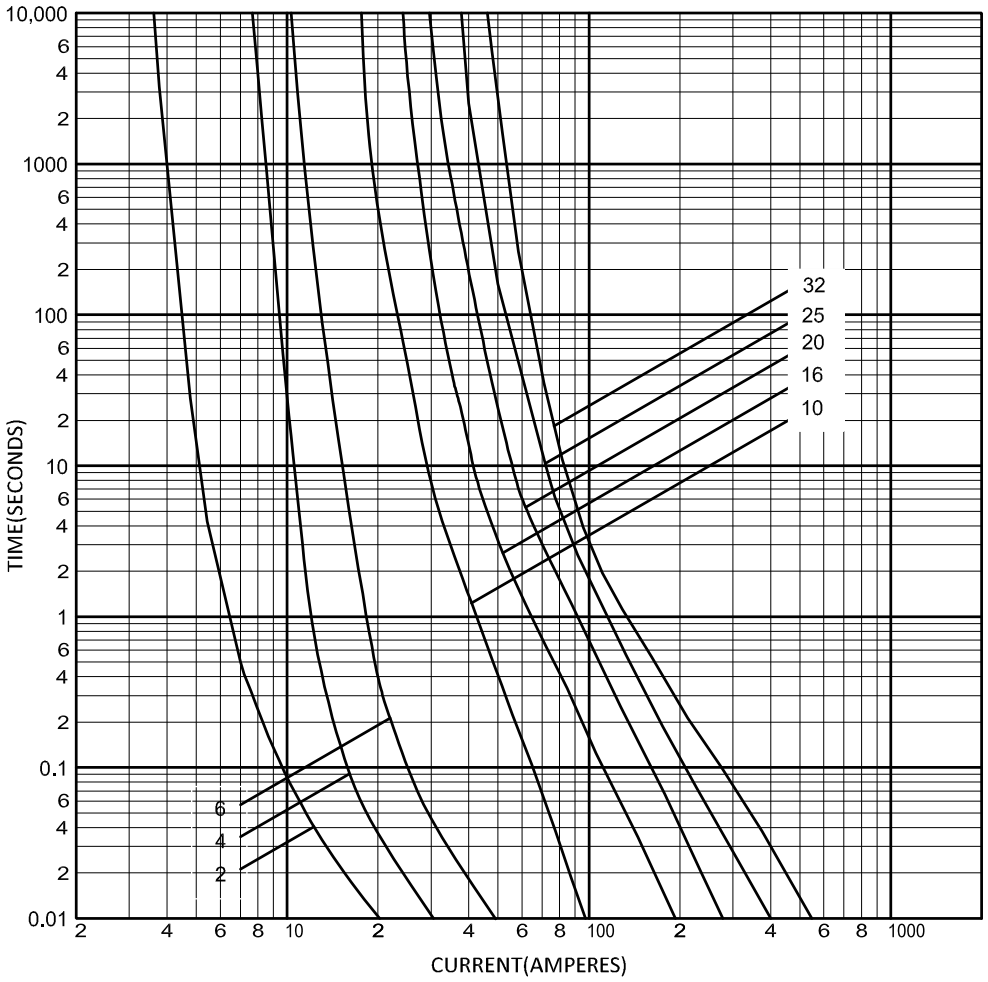
Dimensions (mm) - Size 03



Dimensions (mm) - Size 3



Time-current curves - NH Size 000 - 2 A to 32 A



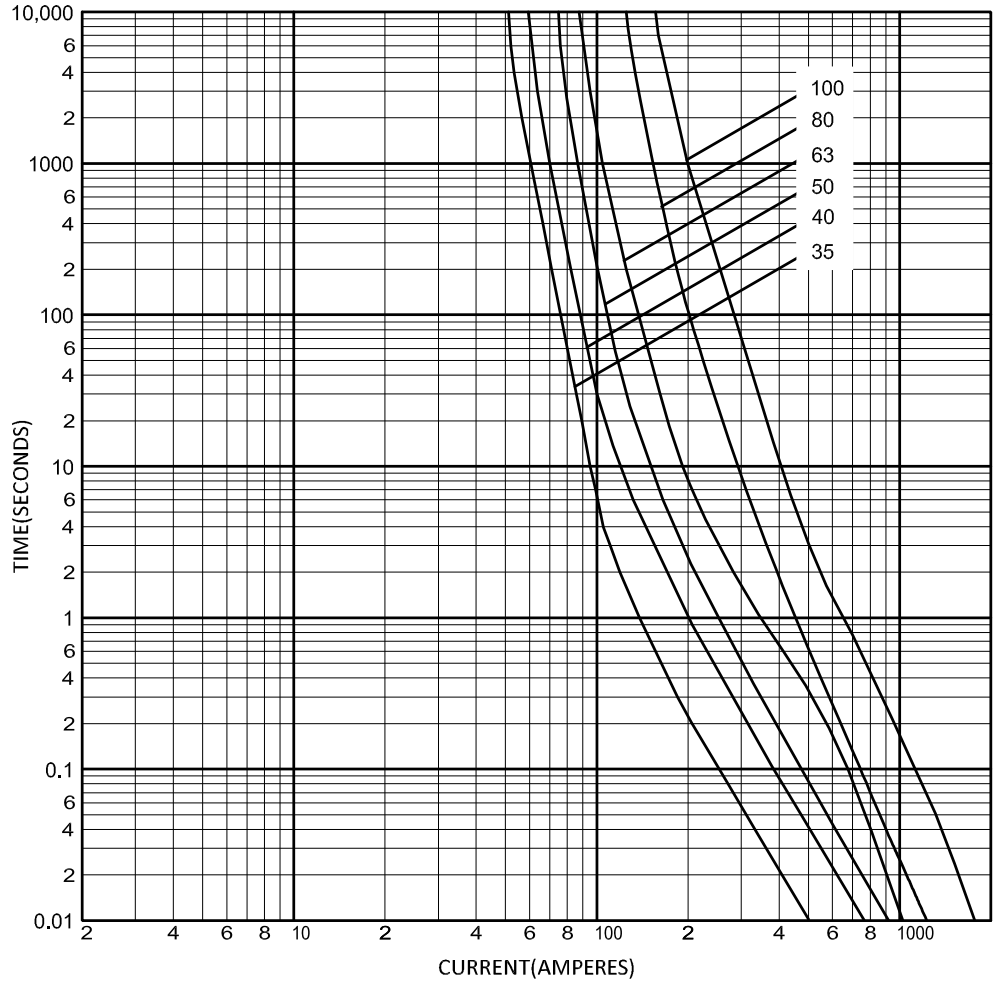
Technical data - NH Size 000 - 2 A to 32 A

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
2NHG000B-400	2NHG000BI-400	000	2	400	3.5	5.5	0.8	0.133
4NHG000B-400	4NHG000BI-400		4		6	10.5	1.4	
6NHG000B-400	6NHG000BI-400		6		14	19	2.2	
10NHG000B-400	10NHG000BI-400		10		60	175	1.5	
16NHG000B-400	16NHG000BI-400		16		240	710	2.3	
20NHG000B-400	20NHG000BI-400		20		584	1800	2.2	
25NHG000B-400	25NHG000BI-400		25		1000	2800	3.1	
32NHG000B-400	32NHG000BI-400		32		1800	7400	3.4	

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

400 Volts gG/gL NH Fuse links

Time-current curves - NH Size 000 - 35 A to 100 A

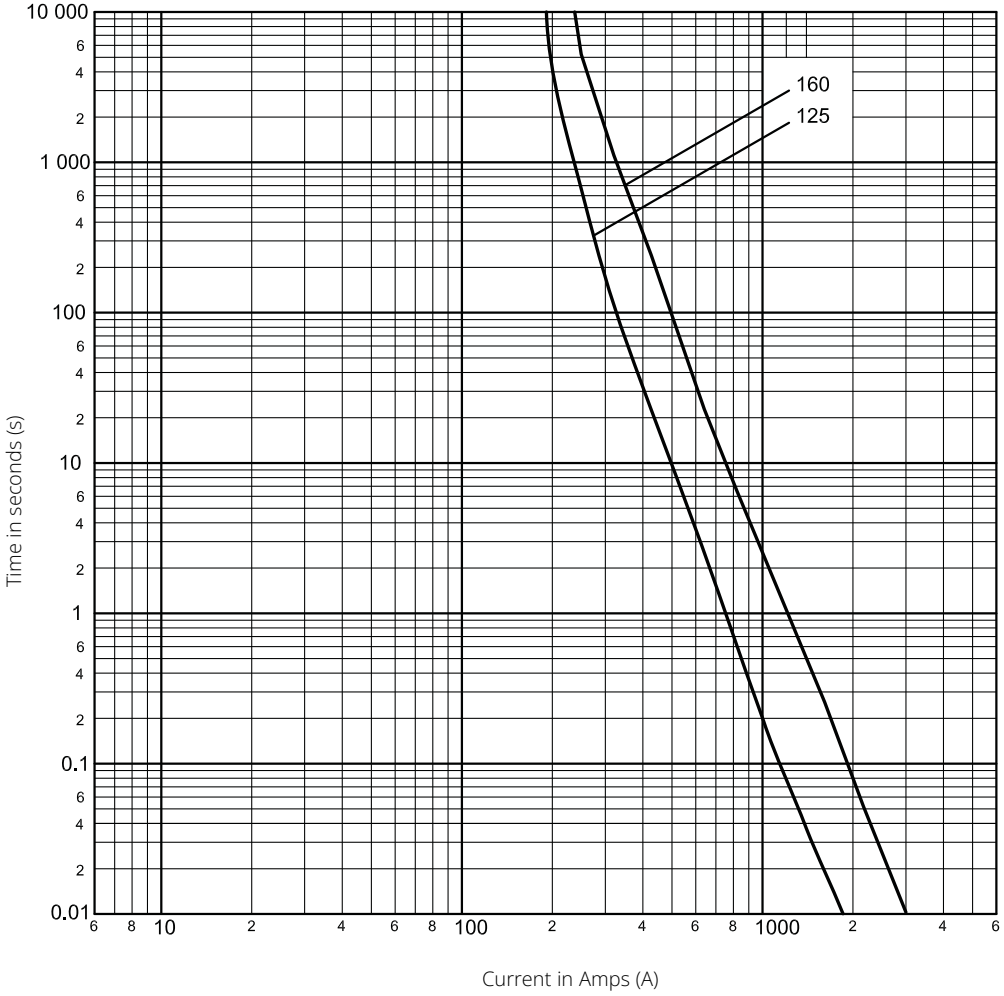


Technical data - NH size 000 - 35 A to 100 A

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
35NHG000B-400	35NHG000BI-400	000	35	400	2900	11,300	2.8	0.133
40NHG000B-400	40NHG000BI-400		40		3300	13,600	4.0	
50NHG000B-400	50NHG000BI-400		50		5900	24,300	4.9	
63NHG000B-400	63NHG000BI-400		63		6300	21,500	4.6	
80NHG000B-400	80NHG000BI-400		80		9900	35,700	4.7	
100NHG000B-400	100NHG000BI-400		100		18,100	39,800	5.2	

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

Time-current curves - NH Size 00



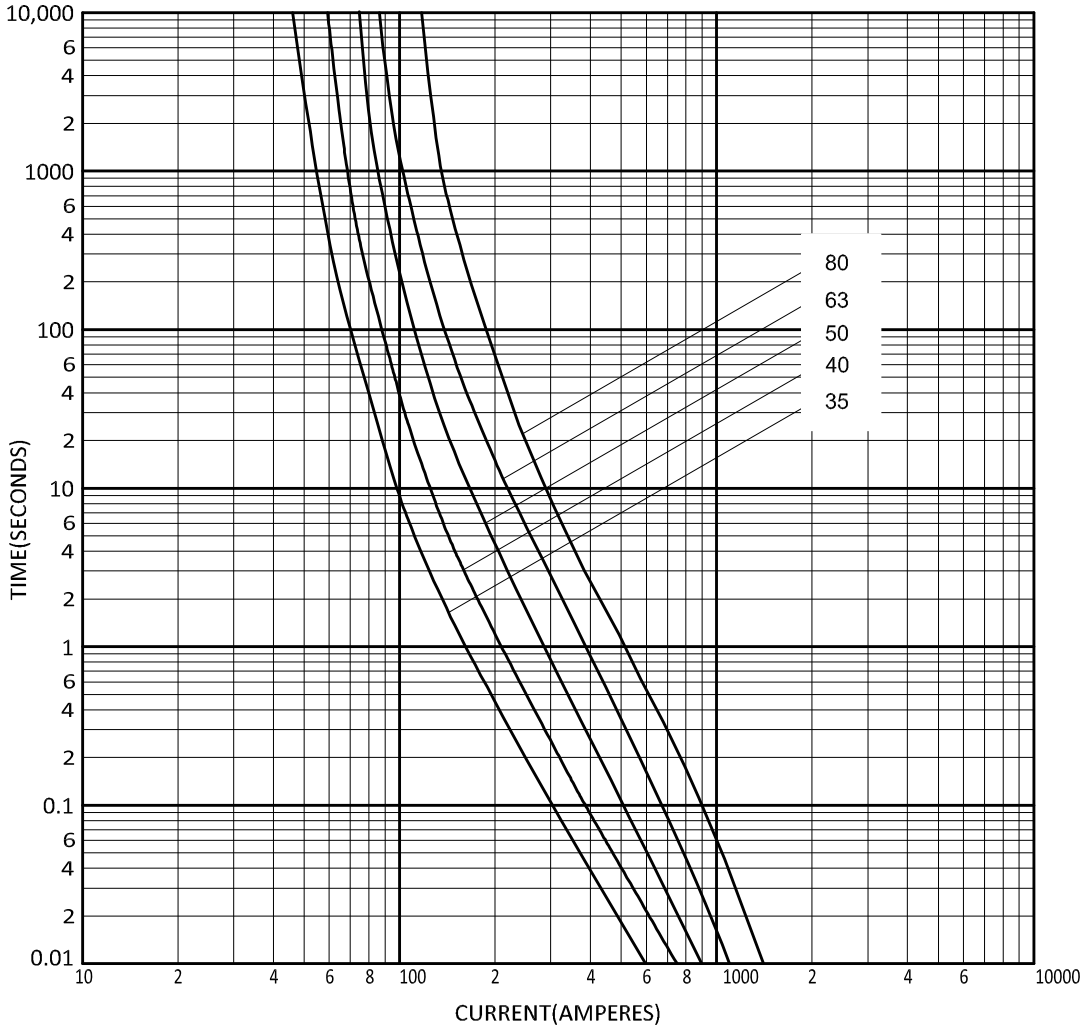
Technical data - NH size 00

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds)		Watts loss	Net weight per fuse (kg)
					Minimum pre-arcing	*I1 120kA at 400 V a.c.		
125NHG00B-400	125NHG00BI-400	00	125	400	25,000	80,000	8	0.185
160NHG00B-400	160NHG00BI-400		160		60,000	126,000	7.8	

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

400 Volts gG/gL NH Fuse links

Time-current curves - NH Size 01 - 35 A to 80 A

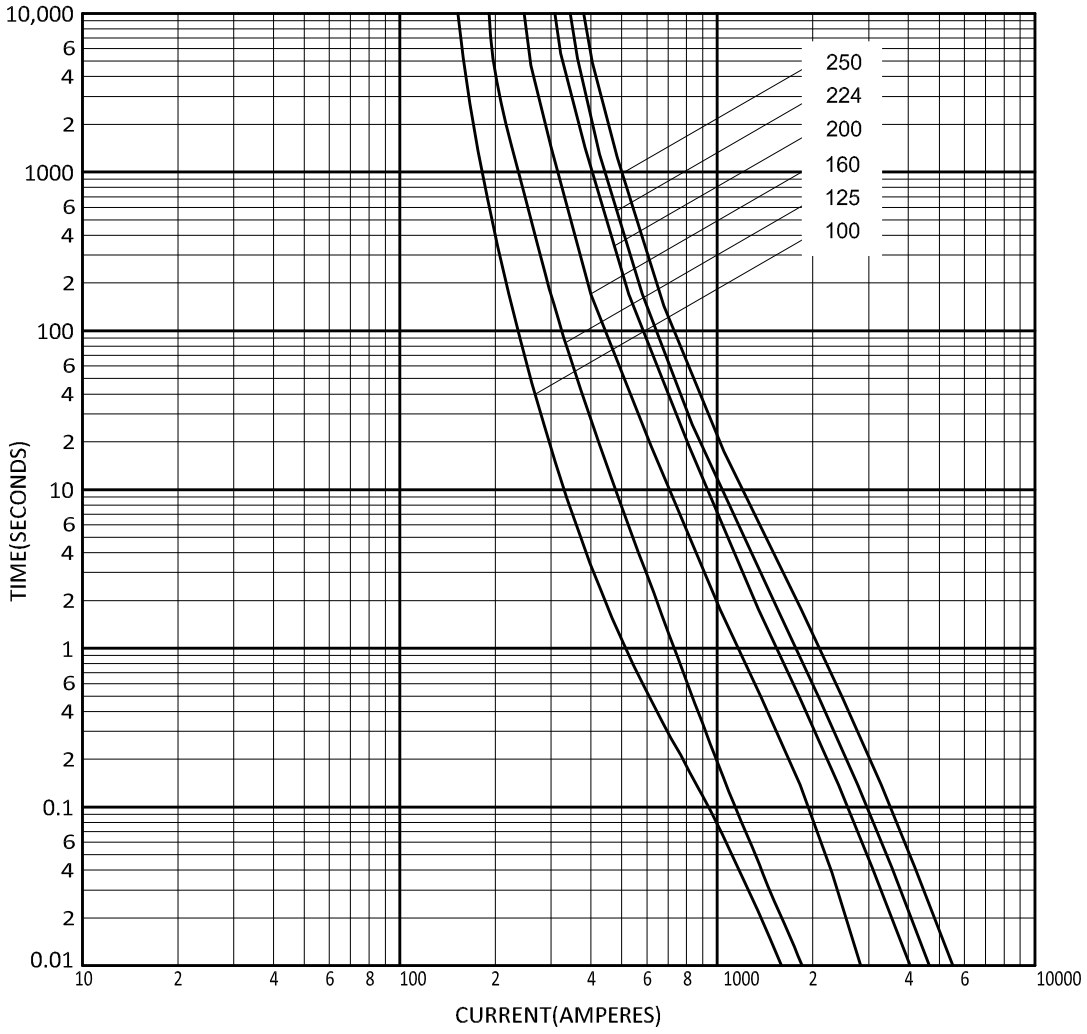


Technical data - NH size 01 - 35 A to 80 A

Part numbers with metal gripping lugs	Part numbers with insulated gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
35NHG01B-400	35NHG01BI-400	01	35	400	2400	7600	4.9	0.269
40NHG01B-400	40NHG01BI-400		40		3300	10,600	5	
50NHG01B-400	50NHG01BI-400		50		4200	10,400	4.7	
63NHG01B-400	63NHG01BI-400		63		6600	16,300	5.6	
80NHG01B-400	80NHG01BI-400		80		9800	33,600	7.1	

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

Time-current curves - NH Size 01and 1 - 100 A to 250 A



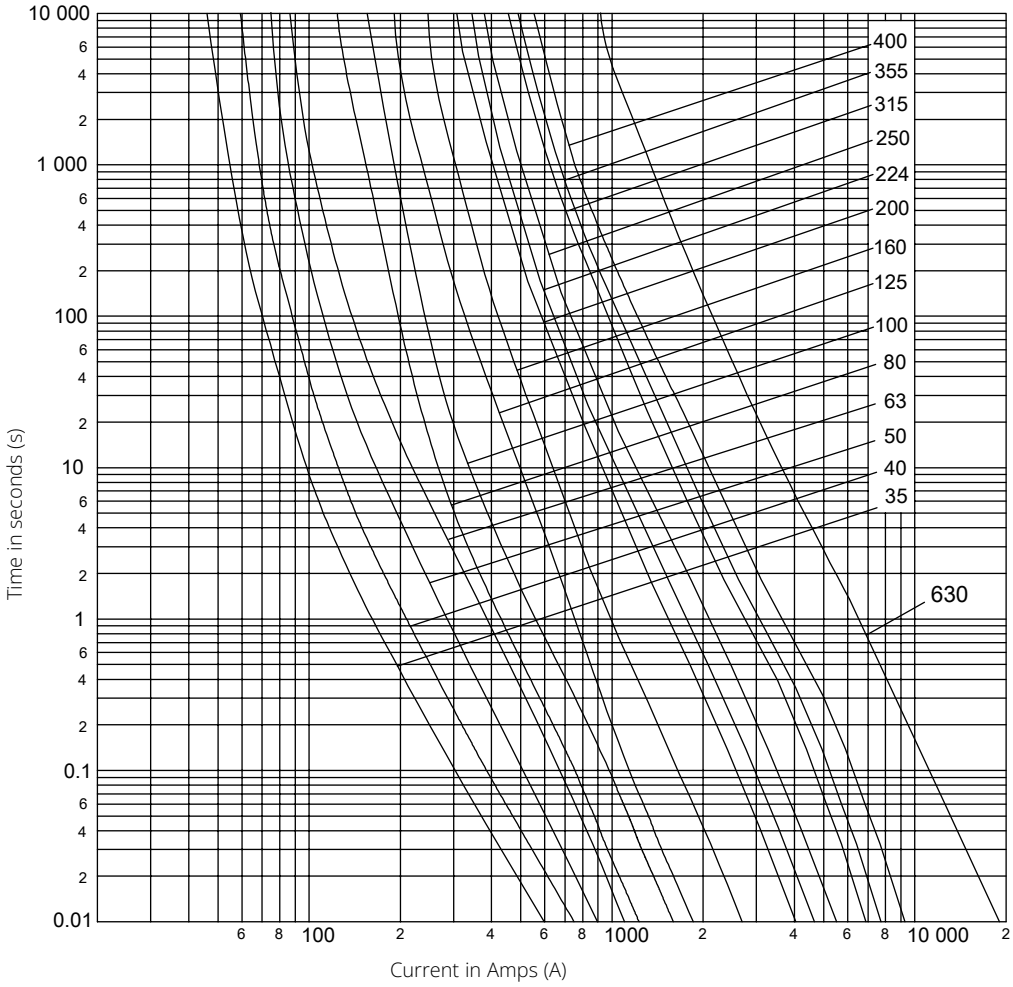
Technical data - NH size 01 and 1 - 100 A to 250 A

Part numbers with metal gripping lugs	Part numbers with insulated gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
100NHG01B-400	100NHG01BI-400	01	100	400	16,000	56,000	6.8	0.269
125NHG01B-400	125NHG01BI-400		125		24,000	86,400	8.8	
160NHG01B-400	160NHG01BI-400		160		53,000	111,300	8.9	
200NHG1B-400	200NHG1BI-400	1	200		89,000	232,000	12	0.387
224NHG1B-400	224NHG1BI-400		224		119,000	322,000	12	
250NHG1B-400	250NHG1BI-400		250		171,000	479,000	14	

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

400 Volts gG/gL NH Fuse links

Time-current curves - NH Size 02 and 2

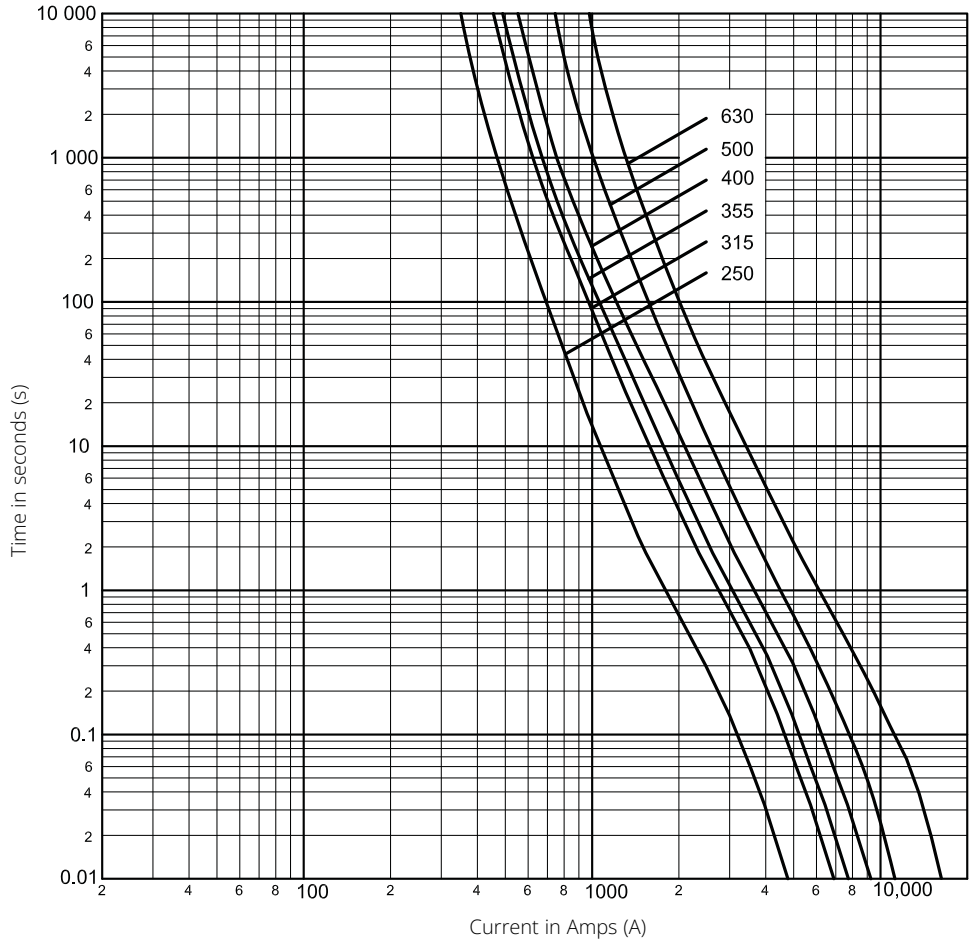


Technical data - NH size 02 and 2

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
35NHG02B-400	35NHG02BI-400	02	35	400	2400	7600	4.4	0.402
40NHG02B-400	40NHG02BI-400		40		3300	10,600	5	
50NHG02B-400	50NHG02BI-400		50		4200	10,400	6.5	
63NHG02B-400	63NHG02BI-400		63		6600	16,300	5.5	
80NHG02B-400	80NHG02BI-400		80		10,000	34,800	5.5	
100NHG02B-400	100NHG02BI-400		100		16,000	56,000	6.6	
125NHG02B-400	125NHG02BI-400		125		24,000	86,400	8.7	
160NHG02B-400	160NHG02BI-400		160		50,000	185,000	10	
200NHG02B-400	200NHG02BI-400		200		89,000	232,000	12	
224NHG02B-400	224NHG02BI-400		224		119,000	322,000	12	
250NHG02B-400	250NHG02BI-400		250		171,000	479,000	14	
315NHG2B-400	315NHG2BI-400	2	315		280,000	924,000	19	0.630
355NHG2B-400	355NHG2BI-400		355		350,000	1,155,000	22	
400NHG2B-400	400NHG2BI-400		400		504,000	1,673,000	24	
630NHG2B-400	-		630		2,100,000	5,775,000	44	

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

Time-current curves - NH Size 03 and 3



Technical data - NH size 03 and 3

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I2t (Amps2 Seconds) Minimum pre-arcing	I2t (Amps2 Seconds) *I1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
250NHG03B-400	250NHG03BI-400	03	250	400	115,000	379,500	18	0.634
315NHG03B-400	315NHG03BI-400		315		280,000	924,000	19	
355NHG03B-400	355NHG03BI-400		355		350,000	1,155,000	22	
400NHG03B-400	400NHG03BI-400		400		504,000	1,663,000	24	
500NHG3B-400	500NHG3BI-400	3	500		686,000	2,605,000	30	1.043
630NHG3B-400	630NHG3BI-400		630		1,590,000	6,201,000	36	

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

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Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland

Eaton Electrical Products Limited
Unit 1, Hawker Business Park
Melton Road
Burton-on-the-Wolds
Leicestershire, LE12 5TH
United Kingdom

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