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 Bussmann series PV NH base range (see data sheet 10163)

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 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

Microswitches:

- 170H0236
- BVL50

Packaging:

- Sizes 000 to 3: 3 per carton

Size - mm

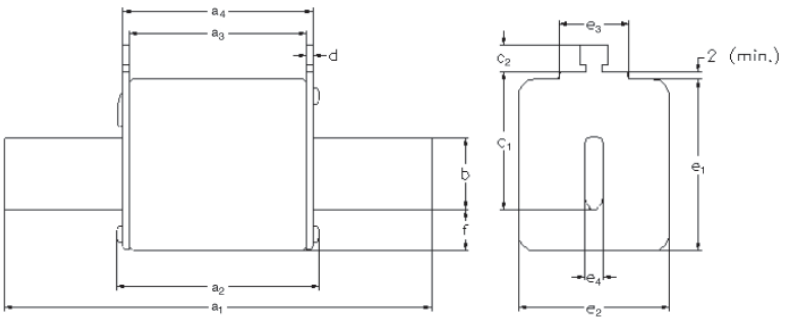


Table 1. NH Sizes

Size	a1	a2 (max)	a3	a4	b	c1	c2	d	e1 (max)	e2 (max)	e3 (max)	e4	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
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	40	25	6	15
02	150±2.5	75	62±2.5	68±2.5-	20	48	11	2.5±0.5	53	40	25	6	15
2	150±2.5	75	62±2.5	68±2.5	25	48	11	2.5±0.5	61	53	25	6	15
03	150±2.5	75	62±2.5	68±2.5	25	60	11	2.5±0.5	61	53	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

Fuse holders (ordered separately)

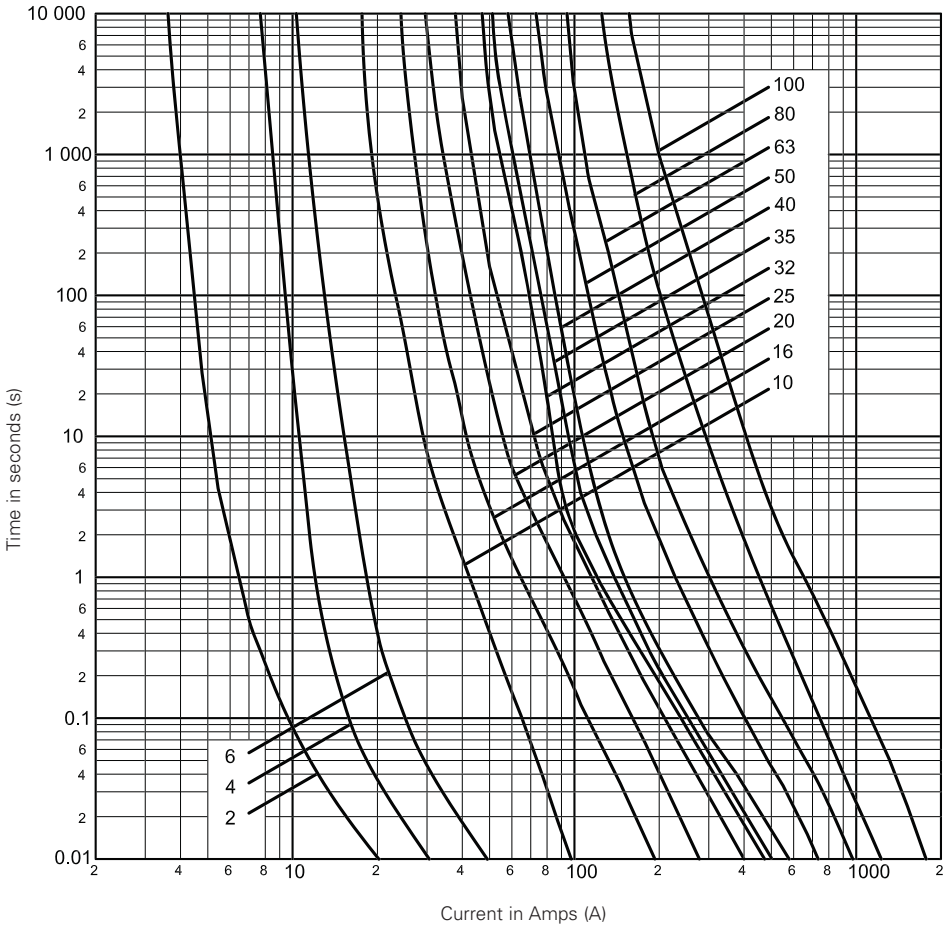
- Fuse bases 1 pole:
  - DIN-Rail mounting SD(size)-D
  - Screw mounting SD(size)-S
- Fuse bases 3 pole
  - DIN-Rail mounting TD(size)-D

Table 2. Part numbers

Size	Rated current (Amps)	Rated voltage (V a.c.)	gG/gL dual indicator		Pack quantity
			Voltage conducting metal gripping lugs	Insulated metal gripping lugs	
000	2	400	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		125NHG00B-400	125NHG00BI-400	
	40		160NHG00B-400	160NHG00BI-400	
	50		125NHG00B-400	125NHG00BI-400	
	63		160NHG00B-400	160NHG00BI-400	
	80		125NHG00B-400	125NHG00BI-400	
	100		160NHG00B-400	160NHG00BI-400	
	125		125NHG00B-400	125NHG00BI-400	
	160		160NHG00B-400	160NHG00BI-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

Time-current curves - NH Size 000

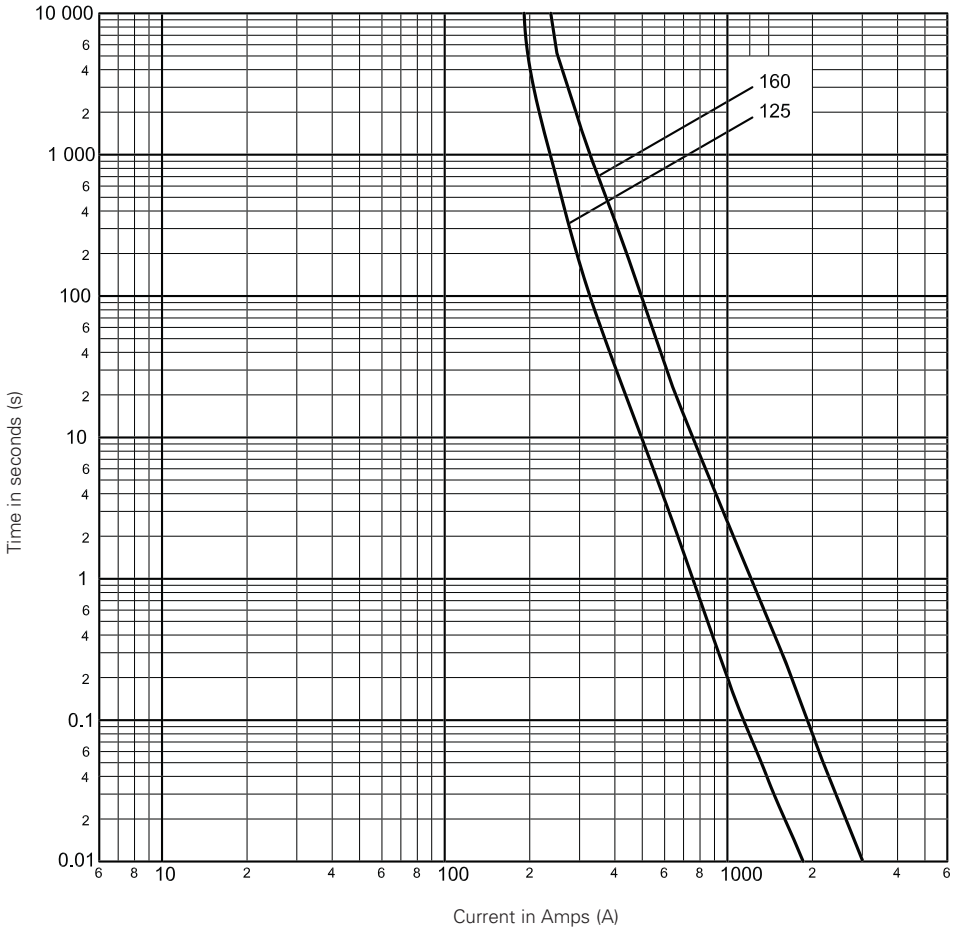


Technical data - NH size 000

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I^2t (Amps² Seconds) Minimum pre-arcing	I^2t (Amps² Seconds) *I_1 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		2400	9600	2.8	
35NHG000B-400	35NHG000BI-400		35		2900	11,300	2.8	
40NHG000B-400	40NHG000BI-400		40		4000	16,400	3	
50NHG000B-400	50NHG000BI-400		50		4000	12,000	3.4	
63NHG000B-400	63NHG000BI-400		63		6000	20,400	4.5	
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

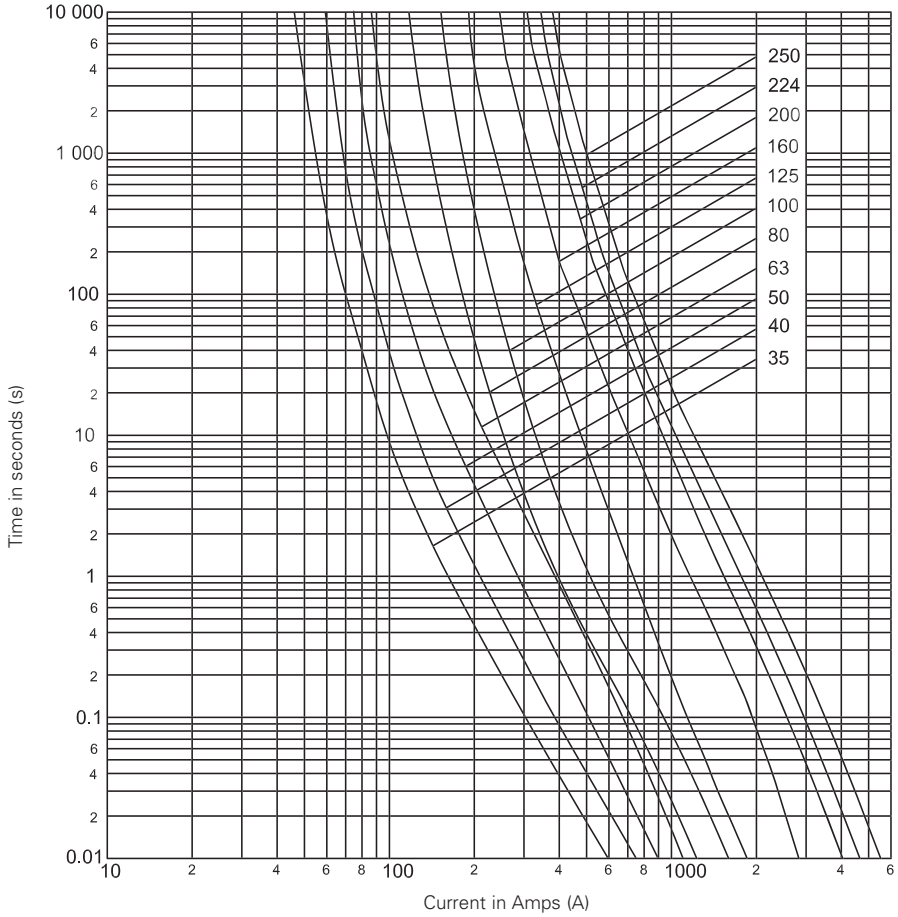


Technical data - NH size 00

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I^2t (Amps² Seconds) Minimum pre-arcing	I^2t (Amps² Seconds) *I_1 120kA at 400 V a.c.	Watts loss	Net weight per fuse (kg)
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

Time-current curves - NH Size 01 and 1

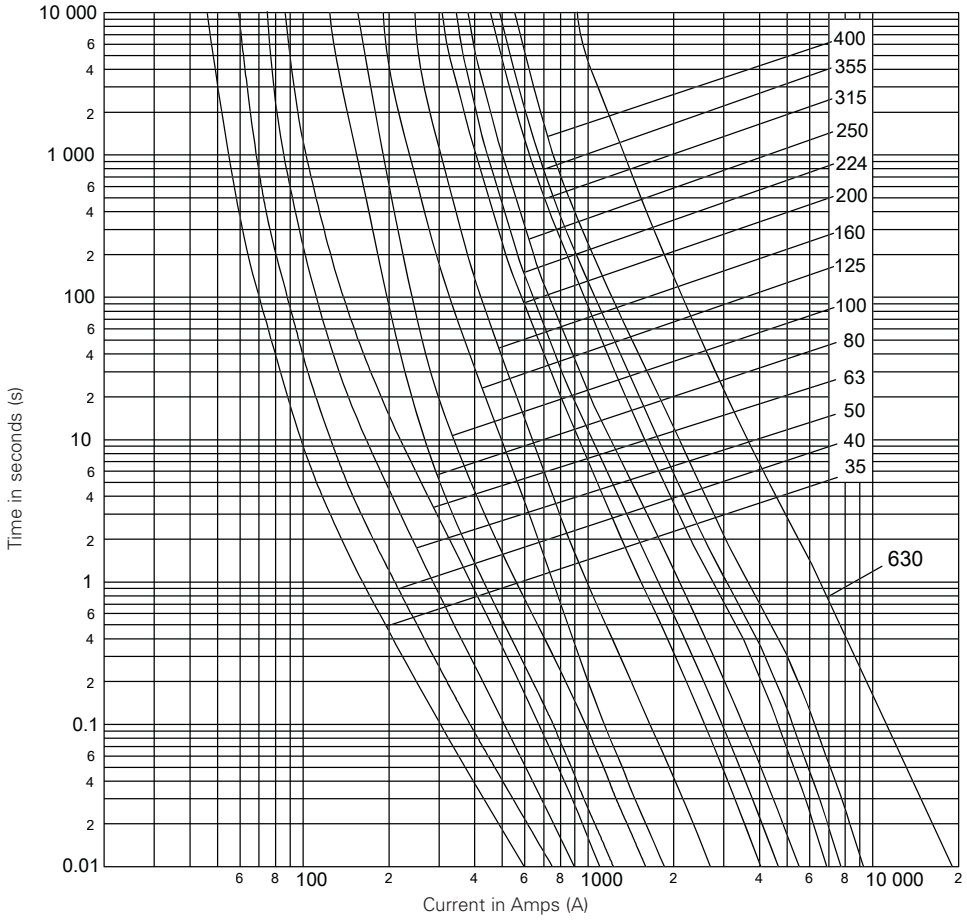


Technical data - NH size 01 and 1

Part numbers with metal gripping lugs	Part numbers with insulated gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I^2t (Amps² Seconds) Minimum pre-arcing	I^2t (Amps² Seconds) *I_1 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		9600	33,600	5.6	
100NHG01B-400	100NHG01BI-400		100		16,000	56,000	6.8	
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

Time-current curves - NH Size 02 and 2

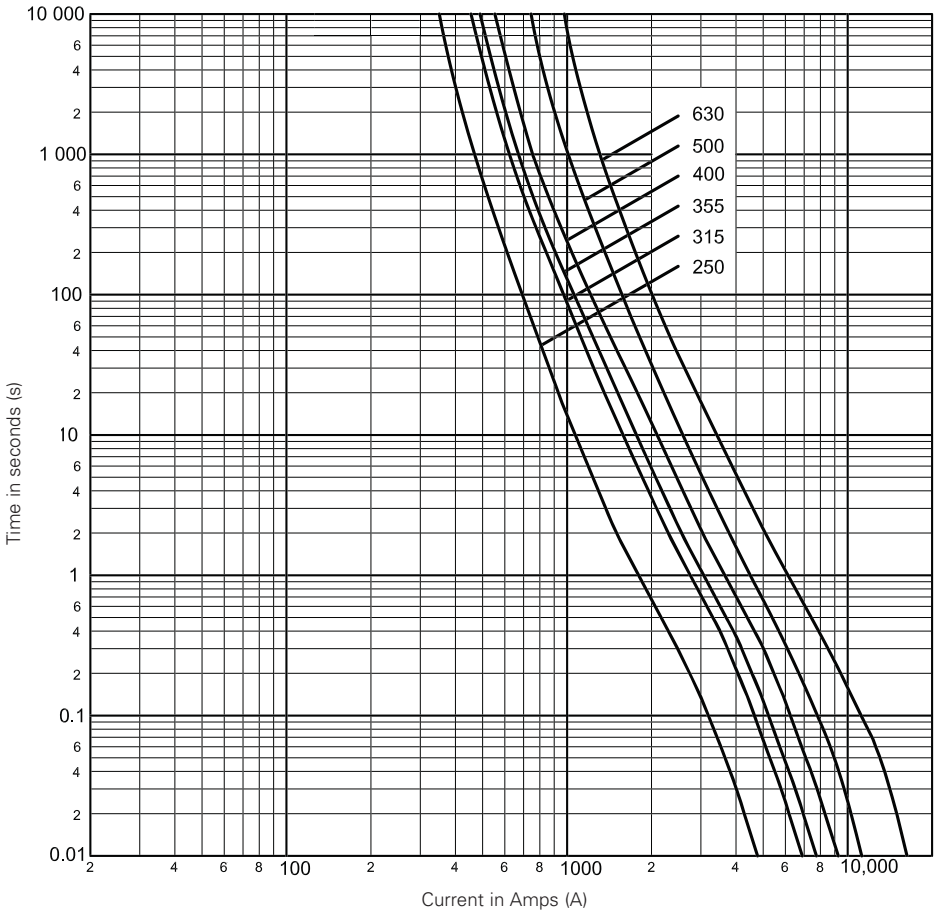


Technical data - NH size 02 and 2

Part numbers with metal gripping lugs	Part numbers with insulated metal gripping lugs	Fuse link size	Rated current (Amps)	Rated voltage (V a.c.)	I^2t (Amps^2 Seconds) Minimum pre-arcing	I^2t (Amps^2 Seconds) *I_1 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.)	I^2t (Amps² Seconds) Minimum pre-arcing	$*I_1$ 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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Publication No. 720099
September 2015

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