



NH Dual Indicator Fuse System Product Guide

Class gG/gL - 400Vac - 2 to 630 Amps - Sizes 000 to 3

Part Numbers

400Vac	Size	Rated Current (Amps)	gG/gL Dual Indicator		Pack Quantity
			Voltage Conducting Metal Gripping Lugs	Voltage-Free Metal Gripping Lugs	
	000	2	2NHG000B-400	2NHG000BI-400	3
		4	4NHG000B-400	4NHG000BI-400	3
		6	6NHG000B-400	6NHG000BI-400	3
		10	10NHG000B-400	10NHG000BI-400	3
		16	16NHG000B-400	16NHG000BI-400	3
		20	20NHG000B-400	20NHG000BI-400	3
		25	25NHG000B-400	25NHG000BI-400	3
		32	32NHG000B-400	32NHG000BI-400	3
		35	35NHG000B-400	35NHG000BI-400	3
		40	40NHG000B-400	40NHG000BI-400	3
		50	50NHG000B-400	50NHG000BI-400	3
		63	63NHG000B-400	63NHG000BI-400	3
		80	80NHG000B-400	80NHG000BI-400	3
		100	100NHG000B-400	100NHG000BI-400	3
	00	125	125NHG00B-400	125NHG00BI-400	3
		160	160NHG00B-400	160NHG00BI-400	3
	01	35	35NHG01B-400	35NHG01BI-400	3
		40	40NHG01B-400	40NHG01BI-400	3
		50	50NHG01B-400	50NHG01BI-400	3
		63	63NHG01B-400	63NHG01BI-400	3
		80	80NHG01B-400	80NHG01BI-400	3
		100	100NHG01B-400	100NHG01BI-400	3
		125	125NHG01B-400	125NHG01BI-400	3
		160	160NHG01B-400	160NHG01BI-400	3
	1	200	200NHG1B-400	200NHG1BI-400	3
		224	224NHG1B-400	224NHG1BI-400	3
		250	250NHG1B-400	250NHG1BI-400	3
	02	35	35NHG02B-400	35NHG02BI-400	3
		40	40NHG02B-400	40NHG02BI-400	3
		50	50NHG02B-400	50NHG02BI-400	3
		63	63NHG02B-400	63NHG02BI-400	3
		80	80NHG02B-400	80NHG02BI-400	3
		100	100NHG02B-400	100NHG02BI-400	3
		125	125NHG02B-400	125NHG02BI-400	3
		160	160NHG02B-400	160NHG02BI-400	3
		200	200NHG02B-400	200NHG02BI-400	3
		224	224NHG02B-400	224NHG02BI-400	3
	2	250	250NHG02B-400	250NHG02BI-400	3
		315	315NHG2B-400	315NHG2BI-400	3
		355	355NHG2B-400	355NHG2BI-400	3
	03	400	400NHG2B-400	400NHG2BI-400	3
		250	250NHG03B-400	250NHG03BI-400	3
		315	315NHG03B-400	315NHG03BI-400	3
		355	355NHG03B-400	355NHG03BI-400	3
	3	400	400NHG03B-400	400NHG03BI-400	3
		500	500NHG3B-400	500NHG3BI-400	3
		630	630NHG3B-400	630NH3GBI-400	3

Class gG/gL - 500Vac - 2 to 1250 Amps - Sizes 000 to 4

Part Numbers

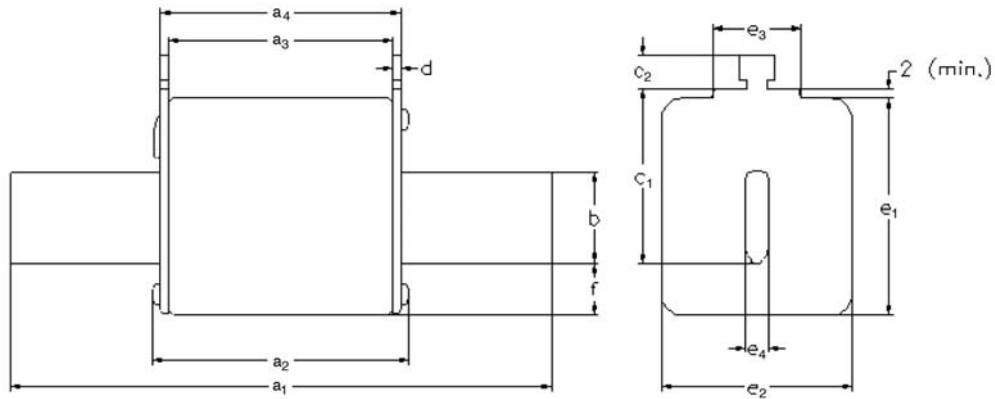
500Vac / 250Vdc	Size	Rated Current (Amps)	gG/gL Dual Indicator		Pack Quantity
			Voltage Conducting Metal Gripping Lugs	Voltage-Free Metal Gripping Lugs	
	000	2	2NHG000B	2NHG000BI	3
		4	4NHG000B	4NHG000BI	3
		6	6NHG000B	6NHG000BI	3
		10	10NHG000B	10NHG000BI	3
		16	16NHG000B	16NHG000BI	3
		20	20NHG000B	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	125	125NHG000B	125NHG000BI	3
		160	160NHG000B	160NHG000BI	3
	0	10	10NHG0B	-	3
		16	16NHG0B	-	3
		20	20NHG0B	-	3
		25	25NHG0B	-	3
		32	32NHG0B	-	3
		35	35NHG0B	-	3
		40	40NHG0B	-	3
		50	50NHG0B	-	3
		63	63NHG0B	-	3
		80	80NHG0B	-	3
		100	100NHG0B	-	3
		125	125NHG0B	-	3
		160	160NHG0B	-	3
	01	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
	1	200	200NHG1B	200NHG1BI	3
		224	224NHG1B	224NHG1BI	3
		250	250NHG1B	250NHG1BI	3
	02	35	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
	2	224	224NHG02B	224NHG02BI	3
		250	250NHG02B	250NHG02BI	3
		315	315NHG2B	315NHG2BI	3
		355	355NHG2B	355NHG2BI	3
		400	400NHG2B	400NHG2BI	3
		250	250NHG03B	250NHG03BI	3
	03	315	315NHG03B	315NHG03BI	3
		355	355NHG03B	355NHG03BI	3
		400	400NHG03B	400NHG03BI	3
	3	500	500NHG3B	500NHG3BI	3
		630	630NHG3B	-	3
	4	500	500NHG4G	-	1
		630	630NHG4G	-	1
		800	800NHG4G	-	1
		1000	1000NHG4G	-	1
	Single Indicator Slotted End Tags	1250	1250NHG4G	-	1

Class gG/gL - 690Vac - 2 to 500 Amps - Sizes 000 to 3

Part Numbers

690Vac / 250Vdc	Size	Rated Current (Amps)	gG/gL Dual Indicator		Pack Quantity
			Voltage Conducting Metal Gripping Lugs	Voltage-Free Metal Gripping Lugs	
	000	2	2NHG000B-690	2NHG000BI-690	3
		4	4NHG000B-690	4NHG000BI-690	3
		6	6NHG000B-690	6NHG000BI-690	3
		10	10NHG000B-690	10NHG000BI-690	3
		16	16NHG000B-690	16NHG000BI-690	3
		20	20NHG000B-690	20NHG000BI-690	3
		25	25NHG000B-690	25NHG000BI-690	3
		32	32NHG000B-690	32NHG000BI-690	3
		35	35NHG000B-690	35NHG000BI-690	3
	00	50	50NHG00B-690	50NHG00BI-690	3
		63	63NHG00B-690	63NHG00BI-690	3
		80	80NHG00B-690	80NHG00BI-690	3
		100	100NHG00B-690	100NHG00BI-690	3
	0	6	6NHG0B-690	-	3
		10	10NHG0B-690	-	3
		16	16NHG0B-690	-	3
		20	20NHG0B-690	-	3
		25	25NHG0B-690	-	3
		32	32NHG0B-690	-	3
		35	35NHG0B-690	-	3
		40	40NHG0B-690	-	3
		50	50NHG0B-690	-	3
		63	63NHG0B-690	-	3
	1	80	80NHG1B-690	80NHG1BI-690	3
		100	100NHG1B-690	100NHG1BI-690	3
		125	125NHG1B-690	125NHG1BI-690	3
		160	160NHG1B-690	160NHG1BI-690	3
		200	200NHG1B-690	200NHG1BI-690	3
	2	63	63NHG2B-690	63NHG2BI-690	3
		80	80NHG2B-690	80NHG2BI-690	3
		100	100NHG2B-690	100NHG2BI-690	3
		125	125NHG2B-690	125NHG2BI-690	3
		160	160NHG2B-690	160NHG2BI-690	3
		200	200NHG2B-690	200NHG2BI-690	3
		224	224NHG2B-690	224NHG2BI-690	3
		250	250NHG2B-690	250NHG2BI-690	3
	3	315	315NHG2B-690	315NHG2BI-690	3
		250	250NHG3B-690	250NHG3BI-690	3
		315	315NHG3B-690	315NHG3BI-690	3
		355	355NHG3B-690	355NHG3BI-690	3
		400	400NHG3B-690	400NHG3BI-690	3
		425	425NHG3B-690	-	3
		500	500NHG3B-690	-	3

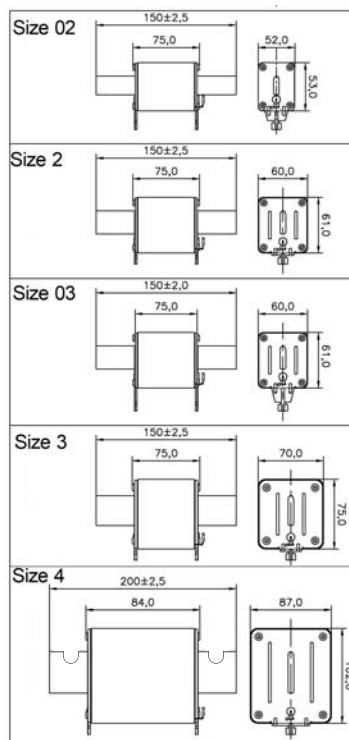
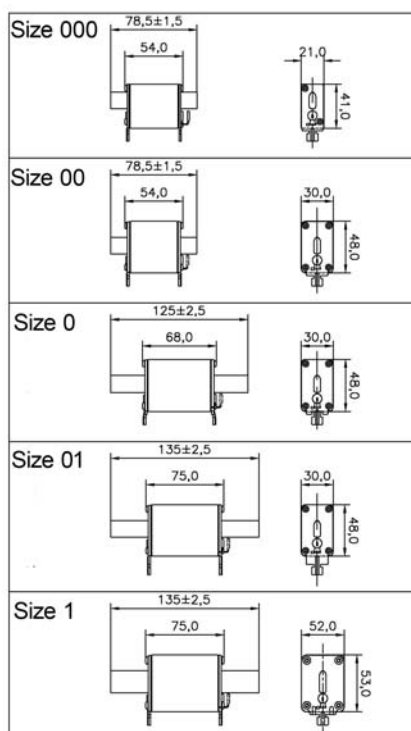
NH Fuse Link Dimensions - mm



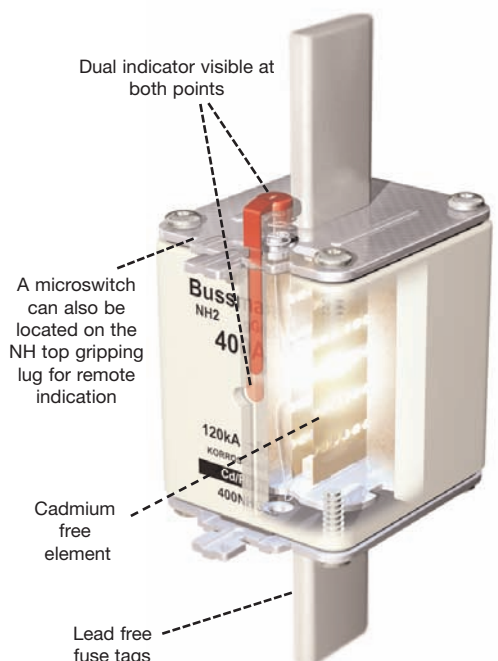
Size	a_1	a_2 (max)	a_3	a_4	b	c_1	c_2	d	e_1 (max)	e_2 (max)	e_3 (max)	e_4	f (max)
000	78.5±1.5	54	45±1.5	49±1.5	15	35	10	2±0.5	41	21	16	6	8
00	78.5±1.5	54	45±1.5	49±1.5	15	35	11	2±0.5	48	30	25	6	15
0	125±2.5	68	62 ^{+3/-1.5}	68 ^{+1.5/-3}	15	35	11	2.5±0.5	48	30	25	6	15
01	135±2.5	75	62±2.5	68±2.5	15	40	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	84	80	90	50	85	10	3	102	87	-	8	30

* With slotted end tags, see drawing below.

Sizing Guide



Patented Dual Indication Technology





NH DIN Low Voltage Fuse System from Cooper Bussmann

- 120kA High breaking capacity
- 400Vac, 500Vac and 690Vac
- Rated up to 250Vdc
- Insulated tag variants available
- Patented dual indication
- IEC 60269, DIN 43620, VDE 0636

Product Range					
Operating Class	Voltage	Indicator Type	Gripping Lugs Type	Current Rating	Fuse Size
gG/gL	400V	Dual	Non Insulated	2 - 630A	000 - 3
			Insulated		
	500V	Dual	Non Insulated	2 - 630A	000 - 3
			Insulated	2 - 500A	
		Single	Non Insulated	500 - 1250A	4
	690V	Dual	Non Insulated	2 - 500A	000 - 3
			Insulated	2 - 400A	
aM	500V	Dual	Non Insulated	50 - 630A	00 - 3
	690V	Dual	Non Insulated	6 - 500A	000 - 3
gTr	400V	Single	Non Insulated	50 - 1000A	2 - 4

Ordering Key	Type Designation					
Current rating	100					
NH fuse link		NH				
Utilisation class			G			
Body size				000		
Cooper Bussmann					B	
Insulated metal gripping lugs						I
Complete Part Number	100	NH	G	000	B	I

The Cooper Bussmann® NH DIN low voltage fuse links are available at 400Vac, 500Vac and 690Vac, manufactured in accordance with IEC 60269.



NH Fuse Links with Dual Indication

Cd/Pb-free

Lead and Cadmium Free

Cooper Bussmann is the world's first true manufacturer of a complete range of Lead and Cadmium free NH fuse links, negating any legislation concerns regarding the amount of hazardous materials permissible within the fuse links.



Recycling

Cooper Bussmann is dedicated to producing recyclable products and is a member of an industry recognised recycling scheme. The "HRC" symbol on Cooper Bussmann NH fuse links define the product suitable for recycling, limiting disposal cost.

Fuse Bases and Accessories



- Available in multiple pole configurations for size 000 to 4 to DIN 43620 and IEC 60269
- Rated current range is 160A to 1250A
- Ceramic fuse bases also available
- Silver-plated contacts with high contact pressure springs
- DIN Rail or screw mounting
- Accessories include separating plates, terminal covers and fuse covers allowing IP20 protection
- Extraction handle available, reference FEH, size 000-3
- Microswitch available, reference BVL50

Size	Poles	Current (Amps)	Part Numbers	Unit Packing	Compatible Fuse Link Size
			DIN Screw		
00	1 3	160A	SB00-D TB00-D TB00-D-IP20	3 1	000 & 00
0	1 3	160A	SB0-D TB0-D	3 1	0
1	1 3	250A	SB1-D TB1-D	3 1	01 & 1
2	1 3	400A	SB2-D TB2-D	3 1	02 & 2
3	1 3	630A	SB3-D TB3-D	3 1	03 & 3
4	1	1250A	SB4-S (Screw Connection only)	3	4

Vertical Fuse Rails & Fuse Switch Disconnectors



- Available in sizes 000 to 3
- Rated current range up to 630A
- Copper contacts and busbars
- Stainless steel contact springs
- Protection level of IP20

Vertical Fuse Rails

Size	Rating (Amps)	Part Reference	Leading out Terminals	Compatible Fuse Links Size
00	160	BL00-3-F-HA	M8 cable connections	000 & 00
1	250	BFR1-3K/LM/C (*)	Pressed-in nuts with M10 screw	01 & 1
2	400	BFR2-3K/LM/C (*)	Pressed-in nuts with M10 screw	02 & 2
3	630	BFR3-3K/LM/C (*)	Pressed-in nuts with M10 screw	03 & 3

* With leading-out terminal cover.

Fuse Switch Disconnectors

Size	Rating (Amps)	Part Reference		Terminals	Unit Packing	Compatible Fuse Links Size
		1 Pole Switching	3 Poles Switching			
00	160	N/A	BSL00-3x-F	M8 cable connections	1	00
1	250	BFD1-31/LM	BFD1-33/LM	Pressed-in nuts with M10 screw	1	01 & 1
2	400	BFD2-31/LM	BFD2-33/LW	Pressed-in nuts with M10 screw	1	02 & 2
3	630	BFD3-31/LM	BFD3-33/LM	Pressed-in nuts with M12 screw	1	03 & 3

Horizontal Fuse Switch Disconnectors



- Available in size 000 to 3
- Rated current range is 160A to 1600A
- For use with Class gG and aM fuse links DIN VDE 0636-2
- Horizontal and vertical style fuse switch disconnectors
- 3-Pole and 1-pole switchable

Size	Rating (A)	Catalogue Number		Terminals	Unit Packing	Compatible Fuse Links Size
		1- Pole	3-Pole			
000	160	BFH000-1A/T	BFH000-3A/T	Terminal clips for 1.5 to 50mm ² cable	1	000
00	160	BFH00-1A/F	BFH00-3A/F	Terminal screw M8	1	00
1	250	BFH1-1A/F	BFH1-3A/F	Terminal screws M10	1	01 & 1
2	400	BFH2-1A/F	BFH2-3A/F	Terminal screws M10	1	02 & 2
3	630	BFH3-1A/F	BFH3-3A/F	Terminal screws M12	1	03 & 3
4	1600	LBS4/1	LBS4/3	Terminal screws 2xM12	1	4

Cooper Bussmann® Products and Technical Expertise Delivered Worldwide

Customer Assistance

Customer Satisfaction Team

The Cooper Bussmann® Customer Satisfaction Team is available to answer questions regarding Cooper Bussmann products.

Calls can be made between:

Monday-Thursday	7.30 am - 5.30 pm GMT
Friday	7.30 am - 5.00 pm GMT

The Customer Satisfaction Team can be reached via:

- Phone: 00 44 (0) 1509 882 600
- Fax: 00 44 (0) 1509 882 786
- E-mail: bulesales@cooperindustries.com

Application Engineering

Application Engineering assistance is available to all customers. The Application Engineering team is staffed by university-qualified electrical engineers who are available by phone with technical and application support.

Monday – Thursday	8.30 am – 4.30 pm GMT
Friday	8.30 am - 4.00 pm GMT

Application Engineering can be reached via phone, fax or email:

- Phone: 00 44 (0) 1509 882 699
- Fax: 00 44 (0) 1509 882 794
- E-mail: buletechnical@cooperindustries.com

Online Resources

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