

# NH DIN Dual Indication Fuse Links

Class aM, 690Vac, 6 to 500 Amps, Sizes 000 to 3  
NH Series



Catalogue Symbol: (amp)NHM(Size)B-690

Class of Operation: aM

Fuse Size: 000 to 3

**Fuse Holders:**

Fuse Bases: SD\*-D single-pole, TD\*-D three-pole

Fuse Rails-Vertical: BFR

Fuse Switch Disconnectors-Vertical: BFD

Fuse Switch Disconnectors-Horizontal: BFH

\* Select required size of fuse base

Standards/Approvals: IEC 60269-2, DIN 43620 Part 1 and 3

Optional Microswitch: BVL50 and 170H0236

**Description:** A range of Class aM square bodied industrial fuse links for a wide variety of motor protection applications.

**Packaging:** MOQ: 3

**Technical Data:**

Sizes: 000 to 3

Rated Voltage: 690Vac

Rated Current: 6 to 500A

Rated Breaking Capacity: 120kA

Operating Frequency: 45-62Hz

Construction: - Steatite ceramic bodies

- Corrosion-resistant aluminium end plates

- Corrosion-resistant steel plated screws

- Silver-plated brass or copper contact blades

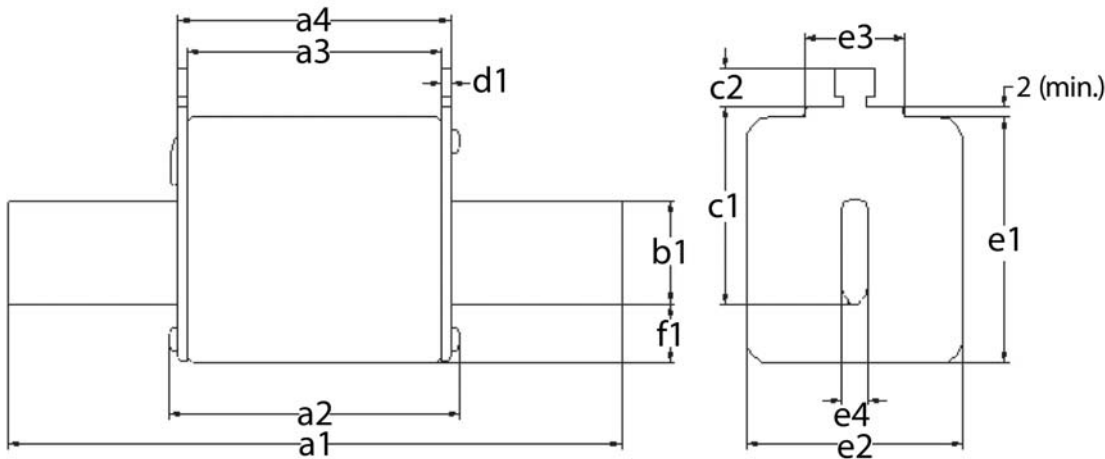
**Environmental**

- 100% Recyclable (including packaging)
- RoHS Compliant
- Cadmium and lead free

**Features**

- Low watts loss
- Reliable dual indicator system (except size 2, 315 and 355A which are single indication)
- Metal gripping lugs

**Dimensions - mm**



Size	a1	a2 (max)	a3	a4	b1	c1	c2	d1	e1 (max)	e2 (max)	e3	e4	f1 (max)
000	78.5±1.5	54	45±1.5	49±1.5	15	35±0.8	10	2±0.5	41	21	16	6	8
00	78.5±1.5	54	45±1.5	49±1.5	15	35±0.8	11	2±0.5	48	30	20	6	15
1	135±2.5	75	62±2.5	68±2.5	20	40±0.8	11	2.5±0.5	53	52	20	6	15
2 Dual Indication	150±2.5	75	62±2.5	68±2.5	25	48±0.8	11	2.5±0.5	61	60	20	6	15
2 Single Indication	150±2.5	75	62±2.5	68±2.5	25	48±0.8	11	2.5±0.5	61	60	20	6	15
3	150±2.5	75	62±2.5	68±2.5	32	60±0.8	11	2.5±0.5	76	75	20	6	18

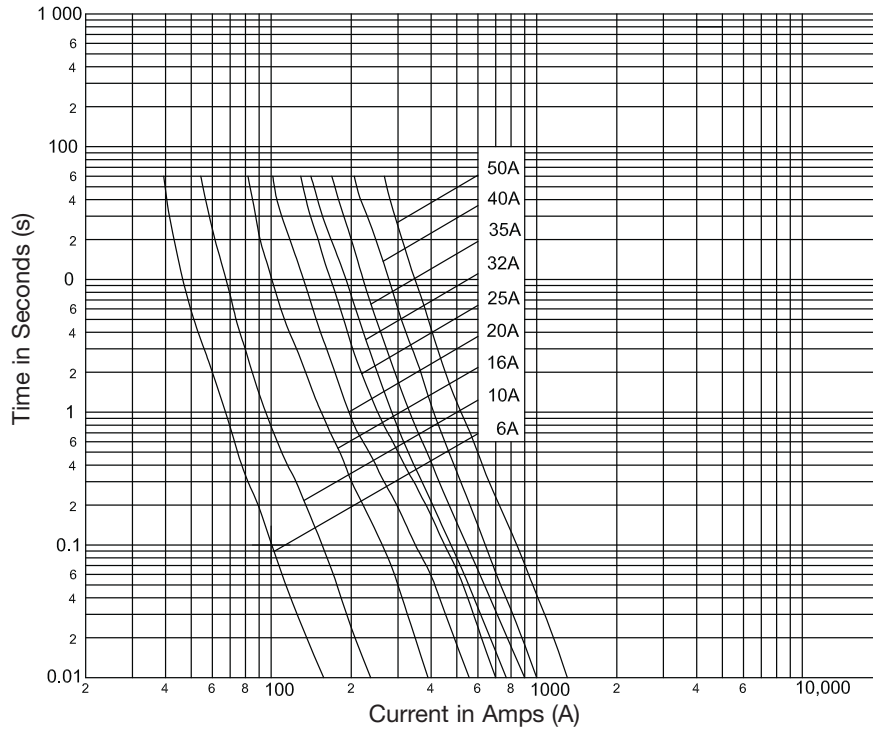
# NH DIN Dual Indication Fuse Links

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Size 000, 6 to 50 Amps

Size 000 Time-Current Characteristics



## Size 000 Technical Data

Part Number	Rated Current (Amps)	Rated Voltage (Vac)	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Net Weight per Fuse Link (kg)
			Minimum Pre-Arcing	Total at 690Vac		
6NHM000B-690	6	690	48	650	0.3	0.118
10NHM000B-690	10		200	1800	0.5	
16NHM000B-690	16		500	4400	0.8	
20NHM000B-690	20		1450	7250	0.9	
25NHM000B-690	25		3500	13,500	1.1	
32NHM000B-690	32		2200	7500	2.1	
35NHM000B-690	35		3000	12,000	2.1	
40NHM000B-690	40		4700	14,500	2.3	
50NHM000B-690	50		11,000	27,000	2.7	

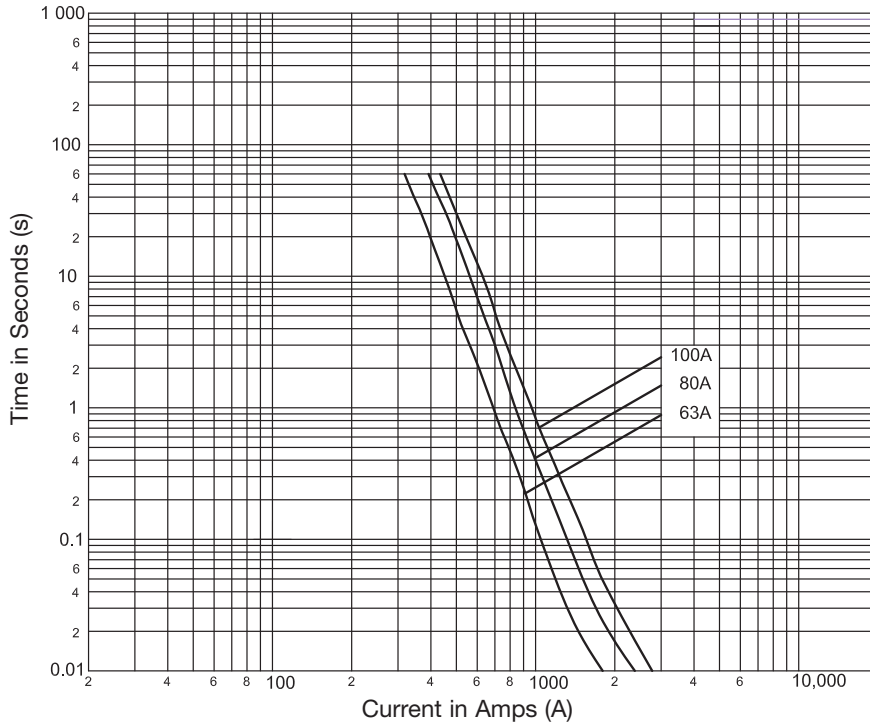
# NH DIN Dual Indication Fuse Links

Class aM, 690Vac, 6 to 500 Amps, Sizes 000 to 3  
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Size 00, 63 to 100 Amps

Size 00 Time-Current Characteristics



## Size 00 Technical Data

Part Number	Rated Current (Amps)	Rated Voltage (Vac)	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Net Weight per Fuse Link (kg)
			Minimum Pre-Arcing	Total at 690Vac		
63NHM00B-690	63	690	16,000	52,000	3.1	0.186
80NHM00B-690	80		24,000	69,500	4.3	
100NHM00B-690	100		35,000	110,000	5.5	

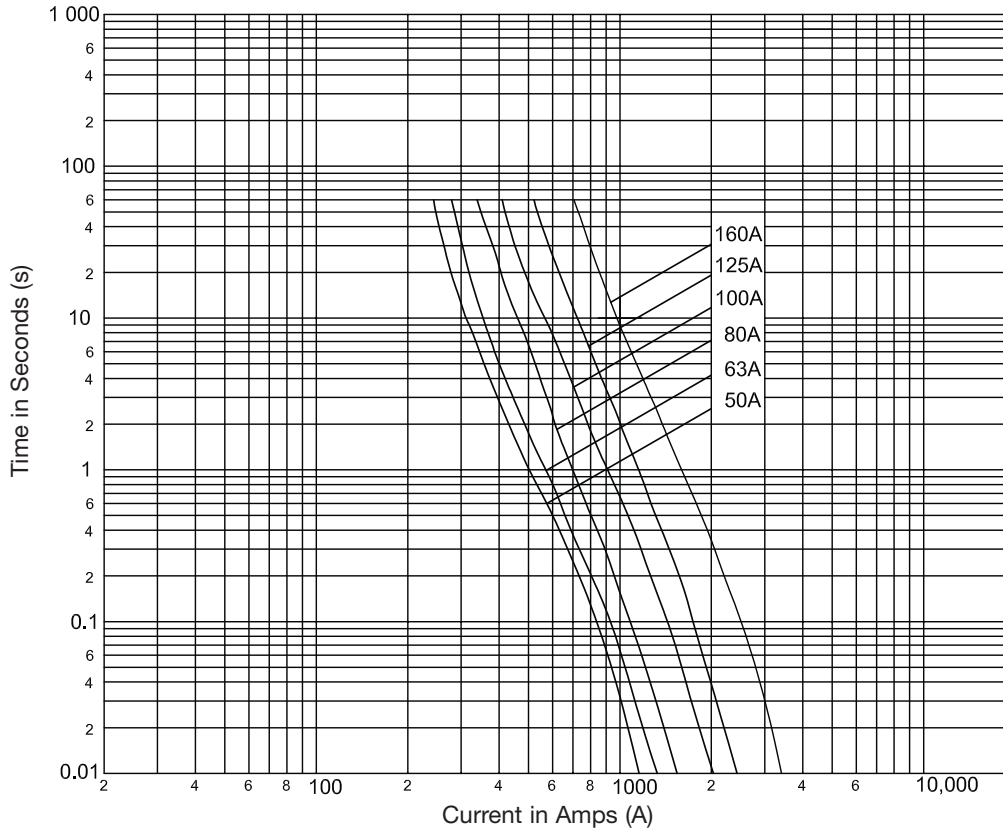
# NH DIN Dual Indication Fuse Links

Class aM, 690Vac, 6 to 500 Amps, Sizes 000 to 3  
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Size 1, 50 to 160 Amps

Size 1 Time-Current Characteristics



## Size 1 Technical Data

Part Number	Rated Current (Amps)	Rated Voltage (Vac)	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Net Weight per Fuse Link (kg)
			Minimum Pre-Arcing	Total at 690Vac		
50NHM1B-690	50	690	10,000	39,500	3	0.380
63NHM1B-690	63		12,500	49,500	4.4	
80NHM1B-690	80		19,500	77,500	5.6	
100NHM1B-690	100		33,000	105,000	6.7	
125NHM1B-690	125		49,500	170,000	8.8	
160NHM1B-690	160		110,000	315,000	10	

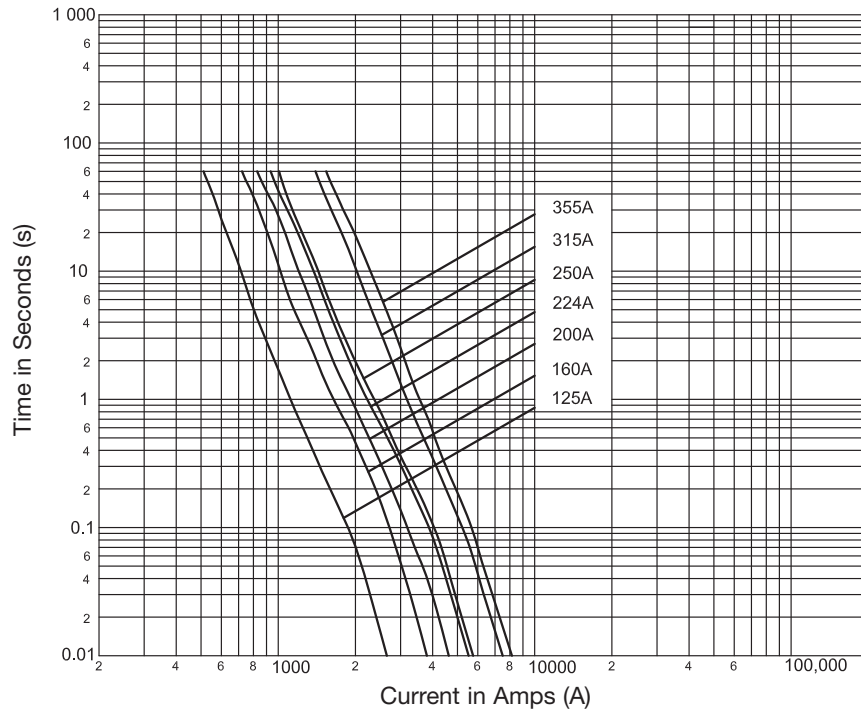
# NH DIN Dual Indication Fuse Links

Class aM, 690Vac, 6 to 500 Amps, Sizes 000 to 3  
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Size 2, 125 to 355 Amps

Size 2 Time-Current Characteristics



## Size 2 Technical Data

Part Number	Rated Current (Amps)	Rated Voltage (Vac)	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Net Weight per Fuse Link (kg)
			Minimum Pre-Arcing	Total at 690Vac		
125NHM2B-690	125	690	56,500	215,000	9.7	0.615
160NHM2B-690	160		120,000	510,000	11	
200NHM2B-690	200		175,000	730,000	14	
224NHM2B-690	224		255,000	1,050,000	15	
250NHM2B-690	250		300,000	1,280,000	17	
315NHM2B-690*	315		510,000	1,150,000	23	
355NHM2B-690*	355		570,000	1,300,000	28	

\* Single indication

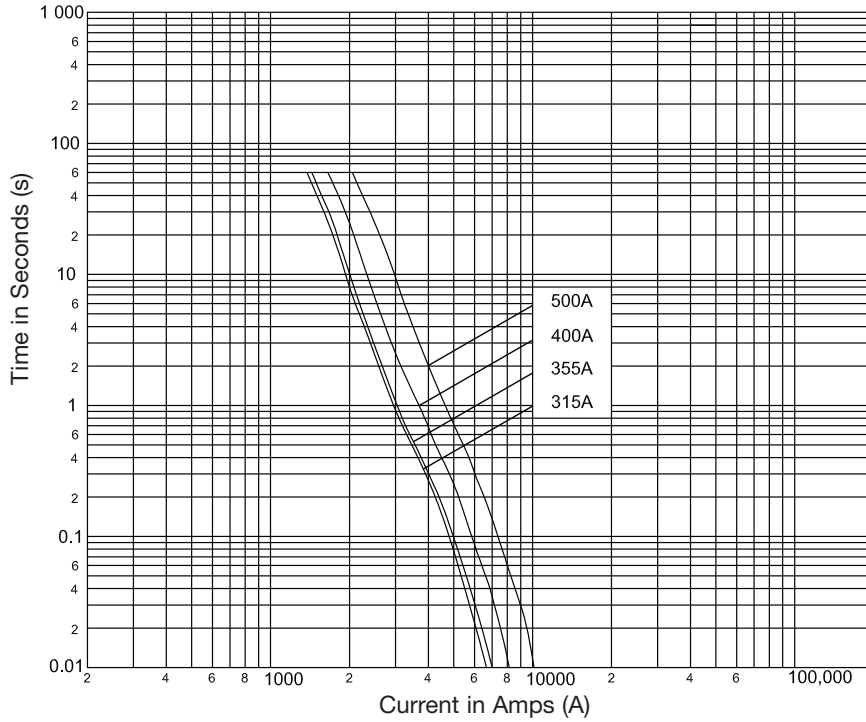
# NH DIN Dual Indication Fuse Links

Class aM, 690Vac, 6 to 500 Amps, Sizes 000 to 3  
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Size 3, 315 to 500 Amps

## Size 3 Time-Current Characteristics



## Size 3 Technical Data

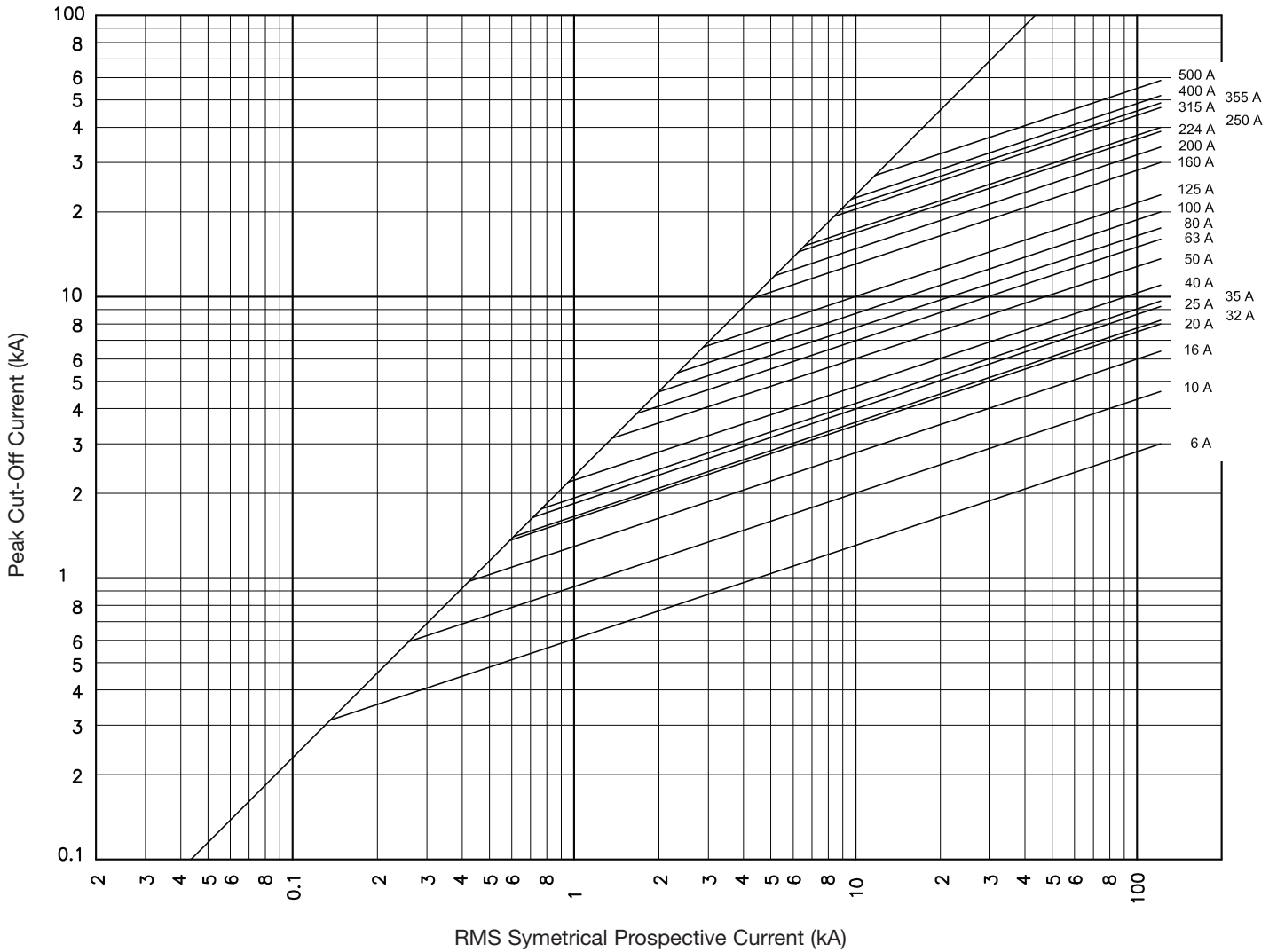
Part Number	Rated Current (Amps)	Rated Voltage (Vac)	I <sup>2</sup> t (A <sup>2</sup> s)		Watts Loss	Net Weight per Fuse Link (kg)
			Minimum Pre-Arcing	Total at 690Vac		
315NHM3B-690	315	690	480,000	1,600,000	20	1.05
355NHM3B-690	355		500,000	1,300,000	27	
400NHM3B-690	400		680,000	2,000,000	28	
500NHM3B-690	500		1,050,000	2,800,000	36	

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## Cut-off Characteristics



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