COOPER Bussmann

# NH DIN Dual Indication Fuse Links

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

NH

### Catalogue Symbol

- With metal gripping lugs: (amp)NHG(Size)B-400
- With insulated metal gripping lugs: (amp)NHG(Size)BI-400

**Operation Class:** gG/gL

### Fuse Holders

- Fuse bases: SB*-D single-pole, TB*-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, VDE 0636, DIN 43620 Part 1 and 3

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

**Packaging** All fuse links are packed in 3's

### Technical Data

- Size: 000 to 3
- Rated voltage: 400Vac
- Amps: 2 to 630A
- Rated breaking capacity: 120kA
- Rated frequency: 50Hz
- Operating frequency: 45-62Hz
- Design - Steatite insulator
  - Corrosion-resistant aluminium end plates
  - Corrosion-resistant plated steel screws
- Contact blade: Full contact silver plated copper blades

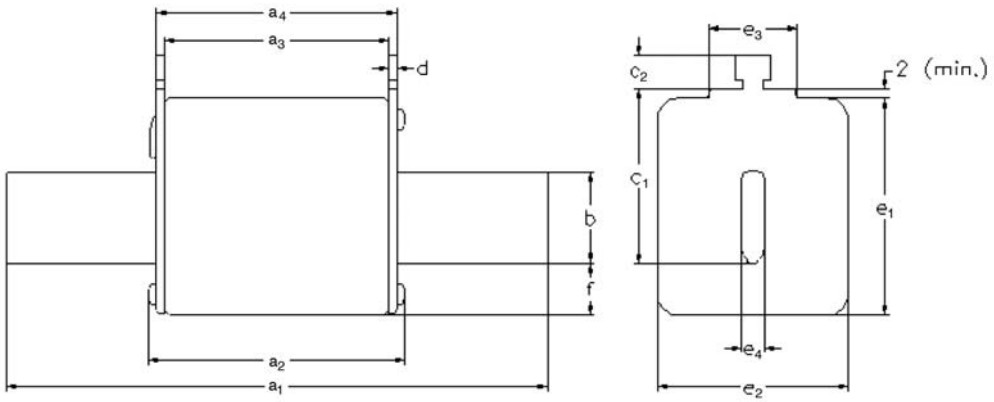
### Environmental

- 100% recyclable (including packaging)
- RoHS compliant
- Cadmium and lead free for sizes 000 to 3 (2A to 630A)

### Features

- Low watts loss
- Reliable dual indicator system
- Available with or without insulated metal gripping lugs

### Dimensions - mm



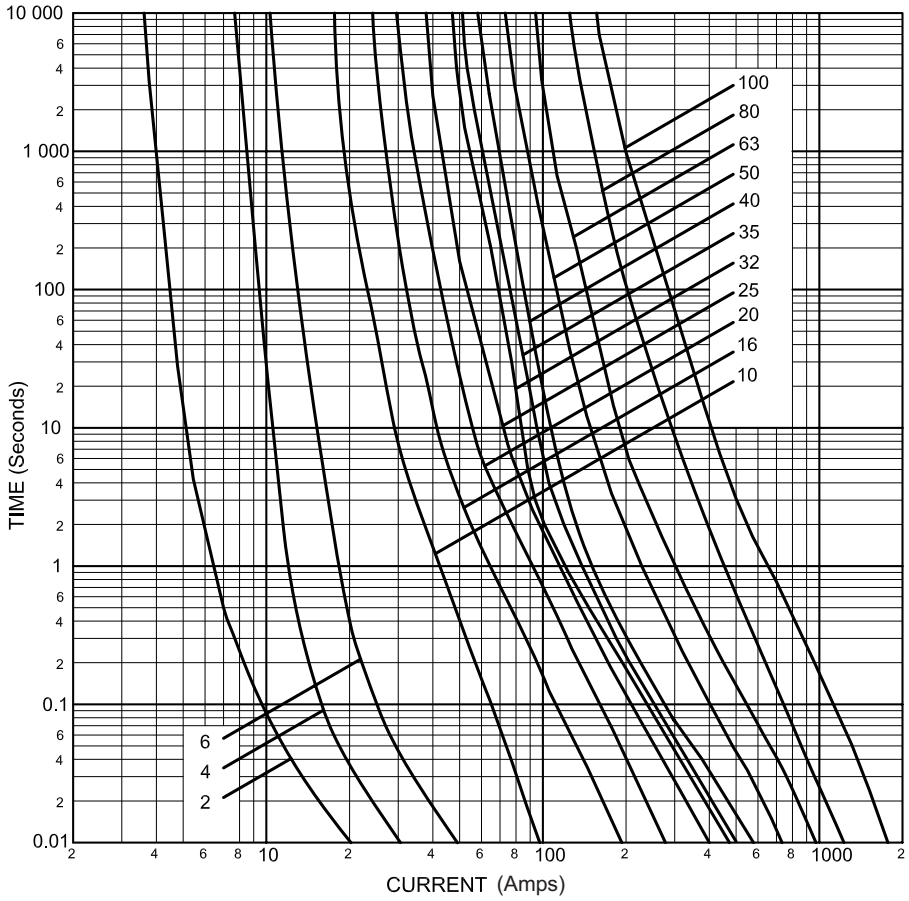

| Size | $a_1$ | $a_2$ (max) | $a_3$ | $a_4$ | b | $c_1$ | $c_2$ | d | $e_1$ (max) | $e_2$ (max) | $e_3$ (max) | $e_4$ | f (max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 000 | 78.5±1.5 | 54 | 45±1.5 | 49±1.5 | 15 | 35 | 10 | 2±0.5 | 41 | 21 | 16 | 6 | 8 |
| 00 | 78.5±1.5 | 54 | 45±1.5 | 49±1.5 | 15 | 35 | 11 | 2±0.5 | 48 | 30 | 25 | 6 | 15 |
| 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 |

# NH DIN Dual Indication Fuse Links

## Class gG/gL, 400Vac, 2 to 100 Amps, Size 000

NH

### Size 000 Time-Current Characteristics

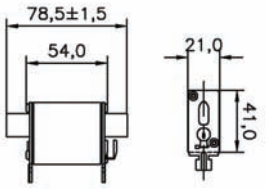



## Size 000 Technical Data

| Part Numbers with Metal Gripping Lugs | Part Numbers with Insulated Metal Gripping Lugs | Amp Rating | $I^2t$ (Amps$^2$ Seconds) | | Watts Loss | Net Weight per Fuse |
|---|---|---|---|---|---|---|
| | | | Minimum Pre-arcing | *$I_1$ 120kA @ 400Vac | | |
| 2NHG000B-400 | 2NHG000BI-400 | 2 | 4 | 6 | 3.9 | 0.133 kg |
| 4NHG000B-400 | 4NHG000BI-400 | 4 | 6 | 12 | 1.4 | |
| 6NHG000B-400 | 6NHG000BI-400 | 6 | 14 | 21 | 2.2 | |
| 10NHG000B-400 | 10NHG000BI-400 | 10 | 58 | 174 | 1.5 | |
| 16NHG000B-400 | 16NHG000BI-400 | 16 | 234 | 800 | 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 | 11300 | 2.8 | |
| 40NHG000B-400 | 40NHG000BI-400 | 40 | 4100 | 16400 | 3.0 | |
| 50NHG000B-400 | 50NHG000BI-400 | 50 | 4000 | 12000 | 3.4 | |
| 63NHG000B-400 | 63NHG000BI-400 | 63 | 6000 | 20400 | 4.5 | |
| 80NHG000B-400 | 80NHG000BI-400 | 80 | 9900 | 35700 | 4.7 | |
| 100NHG000B-400 | 100NHG000BI-400 | 100 | 18100 | 39800 | 5.3 | |

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

## Dimensions - mm

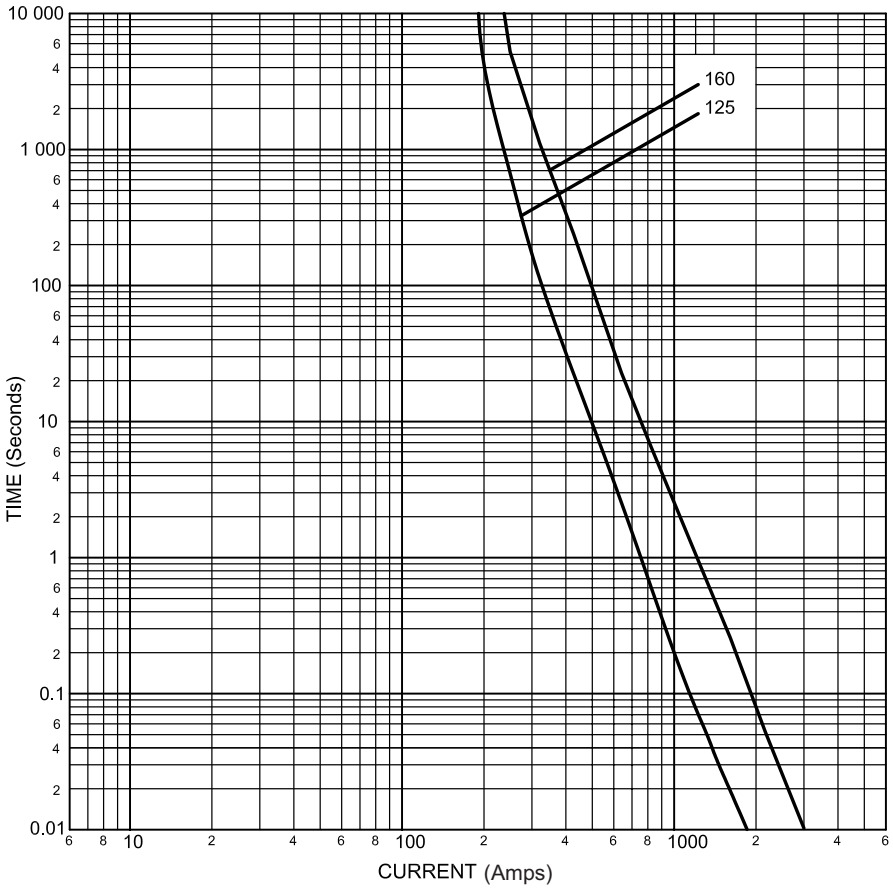


# NH DIN Dual Indication Fuse Links

NH

## Class gG/gL, 400Vac, 125 & 160 Amps, Size 00

### Size 00 Time-Current Characteristics

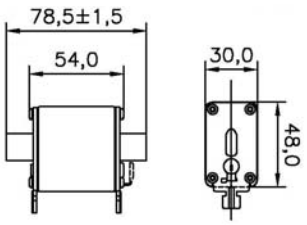



## Size 00 Technical Data

| Part Numbers with Metal Gripping Lugs | Part Numbers with Insulated Metal Gripping Lugs | Amps Rating | $I^2t$ (Amps$^2$ Seconds) | | Watts Loss | Net Weight per Fuse |
|---|---|---|---|---|---|---|
| | | | Minimum Pre-arcing | *$I_1$ 120kA @ 400Vac | | |
| 125NHG00B-400 | 125NHG00BI-400 | 125 | 25000 | 90000 | 7.7 | 0.185 kg |
| 160NHG00B-400 | 160NHG00BI-400 | 160 | 60000 | 126000 | 7.8 | |

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

## Dimensions - mm

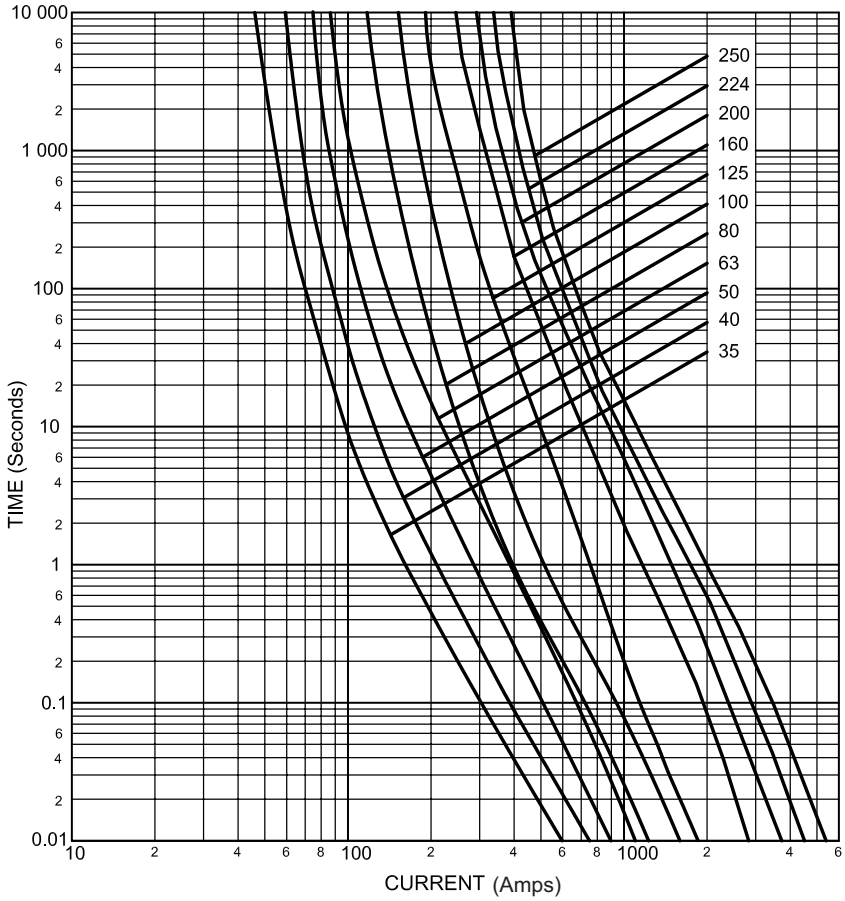


# NH DIN Dual Indication Fuse Links

## Class gG/gL, 400Vac, 35 to 250 Amps, Sizes 01 & 1



### Size 01 & 1 Time-Current Characteristics



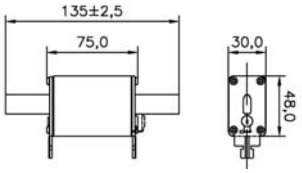

## Size 01 & 1 Technical Data

| Part Numbers with Metal Gripping Lugs | Part Numbers with Insulated Metal Gripping Lugs | Amp Rating | $I^2t$ (Amps$^2$ Seconds) | | Watts Loss | Net Weight per Fuse |
|---|---|---|---|---|---|---|
| | | | Minimum Pre-arcing | *$I_1$ 120kA @ 400Vac | | |
| 35NHG01B-400 | 35NHG01BI-400 | 35 | 2400 | 7600 | 4.4 | 0.269kg |
| 40NHG01B-400 | 40NHG01BI-400 | 40 | 3300 | 10600 | 5.0 | |
| 50NHG01B-400 | 50NHG01BI-400 | 50 | 4200 | 10400 | 4.4 | |
| 63NHG01B-400 | 63NHG01BI-400 | 63 | 6600 | 16300 | 5.6 | |
| 80NHG01B-400 | 80NHG01BI-400 | 80 | 9600 | 33600 | 6.7 | |
| 100NHG01B-400 | 100NHG01BI-400 | 100 | 16000 | 56000 | 7.0 | |
| 125NHG01B-400 | 125NHG01BI-400 | 125 | 24000 | 86400 | 9.0 | |
| 160NHG01B-400 | 160NHG01BI-400 | 160 | 53000 | 111300 | 10.0 | |
| 200NHG1B-400 | 200NHG1BI-400 | 200 | 80000 | 296000 | 13.0 | 0.387kg |
| 224NHG1B-400 | 224NHG1BI-400 | 224 | 125000 | 462500 | 13.0 | |
| 250NHG1B-400 | 250NHG1BI-400 | 250 | 180000 | 666000 | 14.0 | |

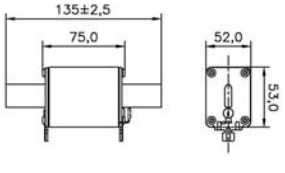
* $I_1$ is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements.

## Dimensions - mm

Size 01




Size 1

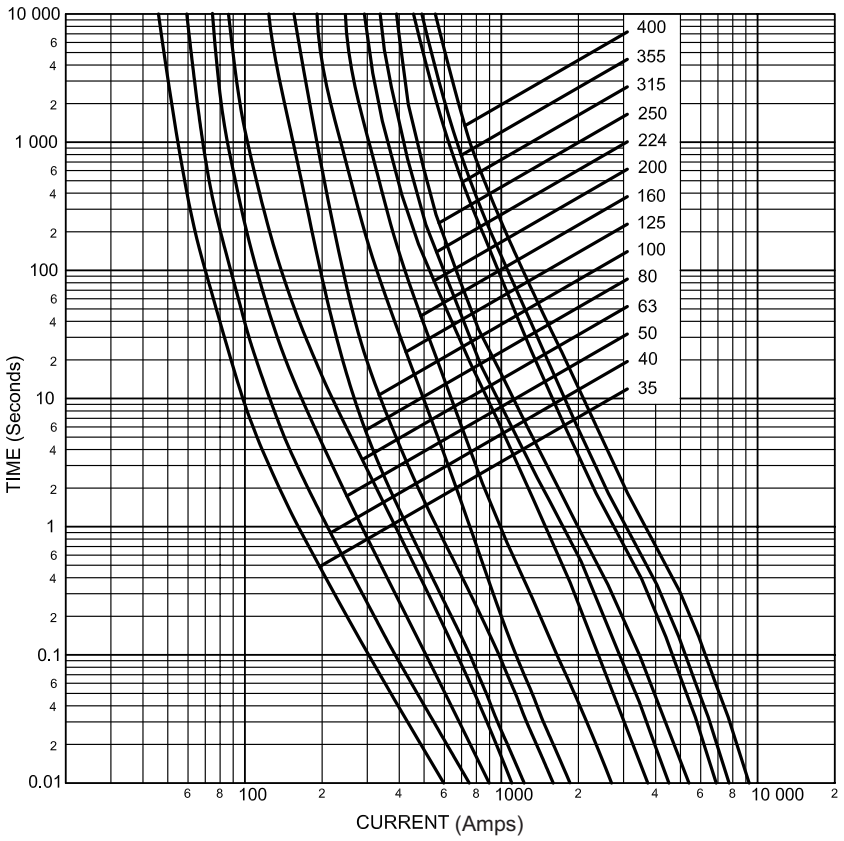


# NH DIN Dual Indication Fuse Links

NH

## Class gG/gL, 400Vac, 35 to 400 Amps, Sizes 02 & 2

### Size 02 & 2 Time-Current Characteristics

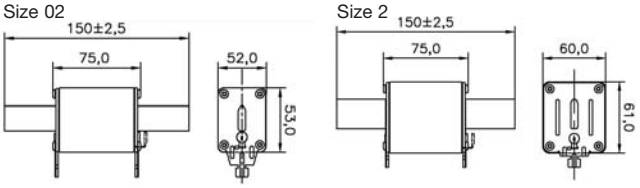



### Size 02 & 2 Technical Data

| Part Numbers with Metal Gripping Lugs | Part Numbers with Insulated Metal Gripping Lugs | Amp Rating | $I^2t$ (Amps$^2$ Seconds) | | Watts Loss | Net Weight per Fuse |
|---|---|---|---|---|---|---|
| | | | Minimum Pre-arcing | *$I_1$ 120kA @ 400Vac | | |
| 35NHG02B-400 | 35NHG02BI-400 | 35 | 2400 | 7600 | 4.4 | 0.402kg |
| 40NHG02B-400 | 40NHG02BI-400 | 40 | 3300 | 10600 | 5.0 | |
| 50NHG02B-400 | 50NHG02BI-400 | 50 | 4200 | 10400 | 4.8 | |
| 63NHG02B-400 | 63NHG02BI-400 | 63 | 6600 | 16300 | 5.5 | |
| 80NHG02B-400 | 80NHG02BI-400 | 80 | 10000 | 34800 | 5.5 | |
| 100NHG02B-400 | 100NHG02BI-400 | 100 | 16000 | 56000 | 7.0 | |
| 125NHG02B-400 | 125NHG02BI-400 | 125 | 24000 | 86400 | 9.0 | |
| 160NHG02B-400 | 160NHG02BI-400 | 160 | 50000 | 185000 | 10.0 | |
| 200NHG02B-400 | 200NHG02BI-400 | 200 | 80000 | 296000 | 13.0 | |
| 224NHG02B-400 | 224NHG02BI-400 | 224 | 125000 | 426520 | 13.0 | |
| 250NHG02B-400 | 250NHG02BI-400 | 250 | 180000 | 666000 | 14.0 | |
| 315NHG2B-400 | 315NHG2BI-400 | 315 | 280000 | 924000 | 19.0 | 0.630kg |
| 355NHG2B-400 | 355NHG2BI-400 | 355 | 350000 | 1155000 | 22.0 | |
| 400NHG2B-400 | 400NHG2BI-400 | 400 | 507000 | 1673100 | 24.0 | |

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

### Dimensions - mm

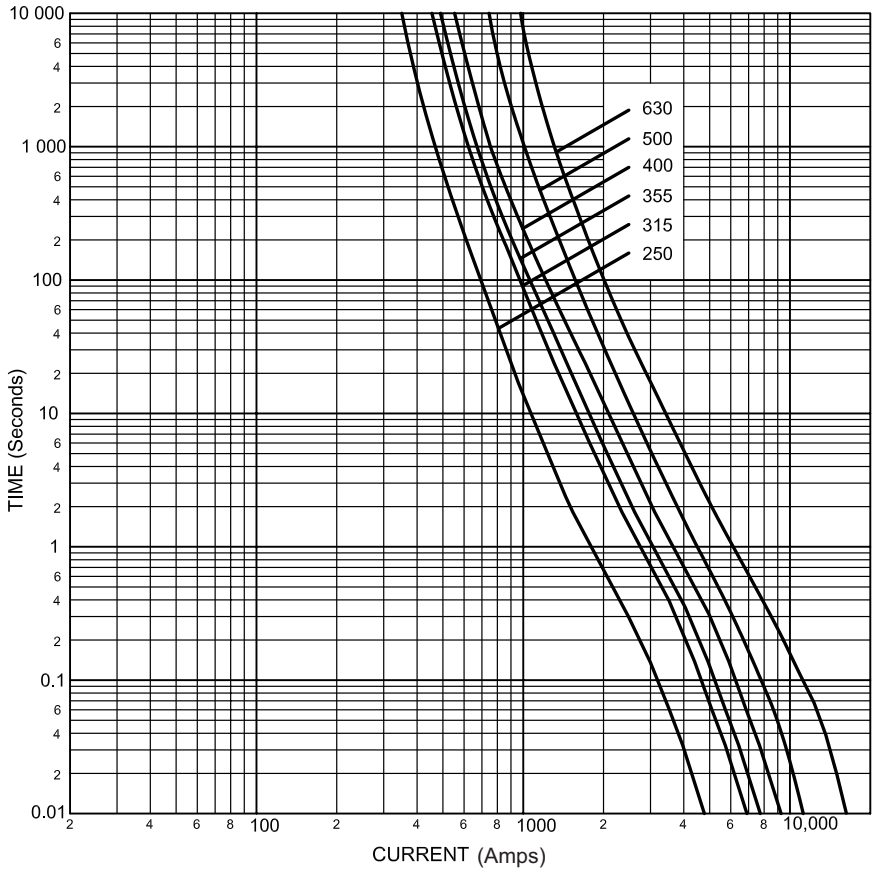


# NH DIN Dual Indication Fuse Links

## Class gG/gL, 400Vac, 250 to 630 Amps, Sizes 03 & 3

NH

### Size 03 & 3 Time-Current Characteristics



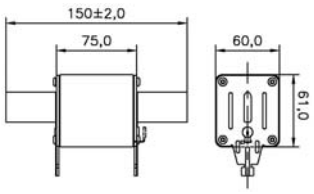

### Size 03 & 3 Technical Data

| Part Numbers with Metal Gripping Lugs | Part Numbers with Insulated Metal Gripping Lugs | Amp Rating | $I^2t$ (Amps$^2$ Seconds) | | Watts Loss | Net Weight per Fuse |
|---|---|---|---|---|---|---|
| | | | Minimum Pre-arcing | *$I_1$ 120kA @ 400Vac | | |
| 250NHG03B-400 | 250NHG03BI-400 | 250 | 115000 | 379500 | 18 | 0.634kg |
| 315NHG03B-400 | 315NHG03BI-400 | 315 | 280000 | 924000 | 19 | |
| 355NHG03B-400 | 355NHG03BI-400 | 355 | 350000 | 1155000 | 22 | |
| 400NHG03B-400 | 400NHG03BI-400 | 400 | 507000 | 1673100 | 24 | |
| 500NHG3B-400 | 500NHG3BI-400 | 500 | 686000 | 2605200 | 28 | 1.043kg |
| 630NHG3B-400 | 630NHG3BI-400 | 630 | 1590000 | 6201000 | 36 | |

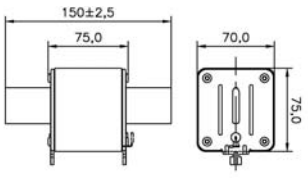
* $I_1$ is the maximum breaking capacity test at rated voltage according to IEC 60269 requirements.

### Dimensions - mm

Size 03




Size 3



# NH DIN Dual Indication Fuse Links

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



### Sizes 000 to 3 Cut-Off Current Characteristics