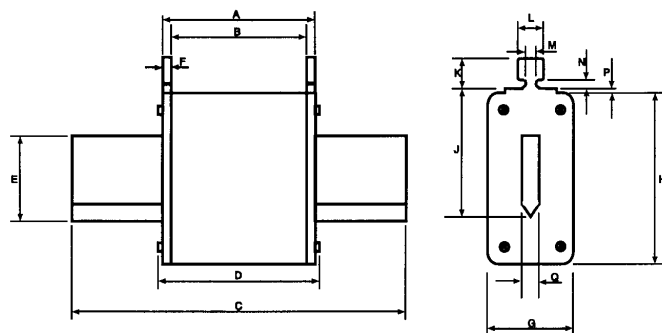


# HRC Fuse Links

NH

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps  
 Sizes C00 to 4



CATALOG SYMBOL: (amp)NH(size)G  
 HRC FUSE LINKS  
 CLASS OF OPERATION gL/gG  
 500V AC  
 2 TO 1600 AMPS  
 SIZES C00 TO 4

## Standards/

## Approvals:

## Description:

IEC 269/2, DE0636, DIN43620 Part 1.

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

## Packaging:

All fuse links are packed in 3's.

## Ordering Code:

Rating/Type Size Category  
 e.g. 50NH00G.

## Technical Data:

## Rated Voltage:

500V AC

## Rated Breaking Capacity:

120 kA

## Rated Frequency:

50 Hz

## Operating Frequency:

45 - 62 Hz

## Selectivity:

1 : 1.6 up to 500V AC

1 : 1.25 up to 380V AC

## Design - Insulator:

Ceramic

## - Metal Parts:

Corrosion-proof (top plate also galvanic plated)

## Contact Blades:

Full contact blades,  
 silver plated copper.

## Protection Type:

IP00 according to DIN40050

## Dimensions:

DIN 43620

## Tests:

VDE 0636/22

## Constancy of

## Characteristics:

Resistant to aging.

## On/Off Indicator:

Spring indicator, minimum  
 operating voltage 10V.

## Mechanical Stress:

Vibrations 7 up to 50 Hz with  
 1 g, shocks with 5 g.

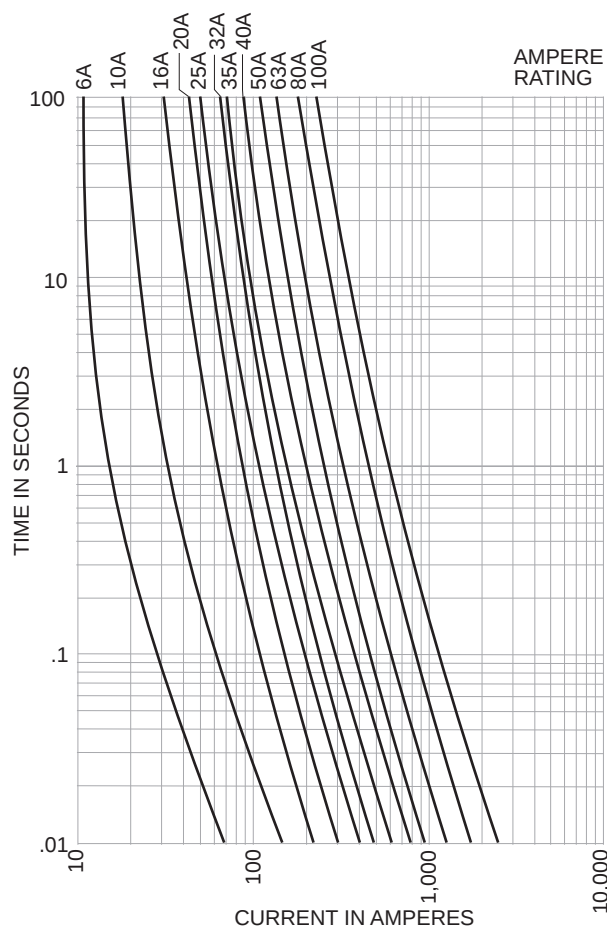
## Specifications (Dimensions all in mm)

| Fuse Size | A        | B        | C          | D        | E  | F   | G   | H  | J  | K  | L  | M | N   | P | Q |
|-----------|----------|----------|------------|----------|----|-----|-----|----|----|----|----|---|-----|---|---|
| C00       | 49 ± 1.5 | 45 ± 1.5 | 78.5 ± 1.5 | 54 - 6   | 15 | 2   | 21  | 41 | 35 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 00        | 49 ± 1.5 | 45 ± 1.5 | 78.5 ± 1.5 | 54 - 6   | 15 | 2   | 30  | 48 | 35 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 0         | 68 ± 2.5 | 62 ± 3   | 125 ± 2.5  | 68 - 8   | 15 | 2   | 30  | 48 | 35 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 1S        | 68 ± 2.5 | 62 ± 2.5 | 135 ± 2.5  | 75 - 10  | 15 | 2.5 | 30  | 48 | 40 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 1         | 68 ± 2.5 | 62 ± 2.5 | 135 ± 2.5  | 75 - 10  | 20 | 2.5 | 41  | 53 | 40 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 2         | 68 ± 2.5 | 62 ± 2.5 | 150 ± 2.5  | 75 - 10  | 25 | 2.5 | 51  | 61 | 48 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 3         | 68 ± 2.5 | 62 ± 2.5 | 150 ± 2.5  | 75 - 10  | 32 | 2.5 | 72  | 76 | 60 | 10 | 10 | 6 | 2.5 | 2 | 6 |
| 4         | 90 ± 3   | 84 ± 3   | 78.5 ± 1.5 | max. 100 | 50 | 4   | 100 | 85 | 85 | 10 | 10 | 6 | 2.5 | 2 | 6 |

# HRC Fuse Links

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps  
Sizes C00 to 4

Time Current Characteristics for Size C00



**Size C00 Details:**

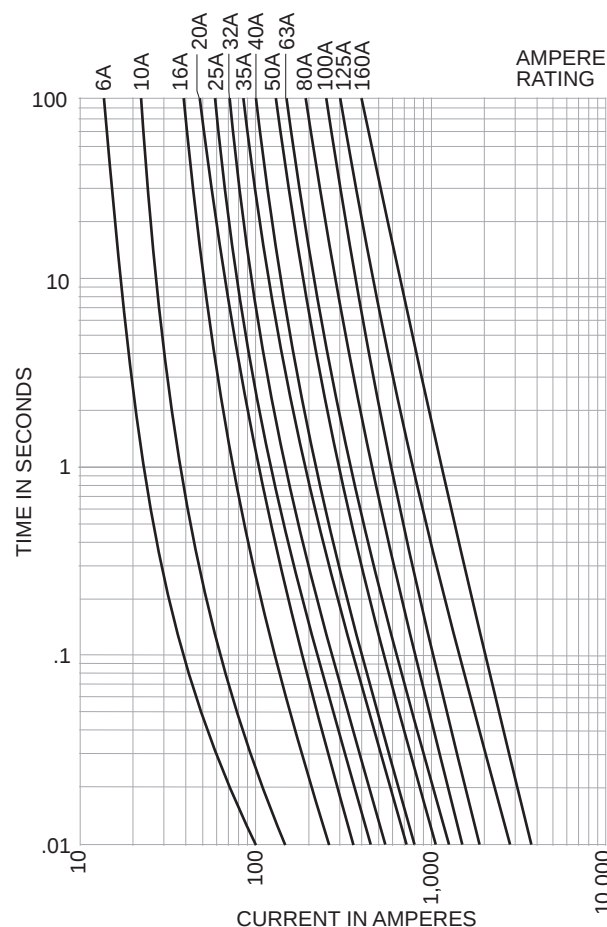
**Approvals:** VDE, ÖVE, CEPEC, NEMKO, KEMA, FEMKO, and L.R.S

**Rated Currents:** 2, 4, 6, 10, 16, 20, 25, 32, 35, 40, 50, 63, 80, and 100 Amps

**Weight:** 0.12 kg.

| Catalog Number | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |            |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|------------------------------------------------|------------|--------------|--------------|-----------------|---------------|
|                | Amp Ratings                                    | Pre-Arcing | Total @ 380V | Total @ 500V |                 |               |
| 6NHC00G        | 6                                              | 33         | 100          | 210          | 1.3             | 500<br>AC     |
| 10NHC00G       | 10                                             | 80         | 150          | 410          | 1.5             |               |
| 16NHC00G       | 16                                             | 350        | 850          | 1,850        | 2.0             |               |
| 20NHC00G       | 20                                             | 780        | 1,900        | 4,200        | 2.1             |               |
| 25NHC00G       | 25                                             | 1,400      | 3,400        | 7,800        | 2.3             |               |
| 32NHC00G       | 32                                             | 2,400      | 5,900        | 13,000       | 3.5             |               |
| 35NHC00G       | 35                                             | 3,600      | 8,700        | 20,000       | 3.5             |               |
| 40NHC00G       | 40                                             | 4,900      | 12,000       | 26,000       | 3.8             |               |
| 50NHC00G       | 50                                             | 7,800      | 18,500       | 42,200       | 4.4             |               |
| 63NHC00G       | 63                                             | 13,000     | 32,300       | 72,700       | 5.4             |               |
| 80NHC00G       | 80                                             | 17,800     | 44,000       | 98,000       | 5.4             |               |
| 100NHC00G      | 100                                            | 26,300     | 65,000       | 142,000      | 6.4             |               |

Time Current Characteristics for Size 00



**Size 00 Details:**

**Approvals:** VDE, ÖVE, CEPEC, NEMKO, KEMA, FEMKO, and L.R.S

**Rated Currents:** 2, 4, 6, 10, 16, 20, 25, 32, 35, 40, 50, 63, 80, 100, 125, and 160 Amps

**Weight:** 0.16 kg.

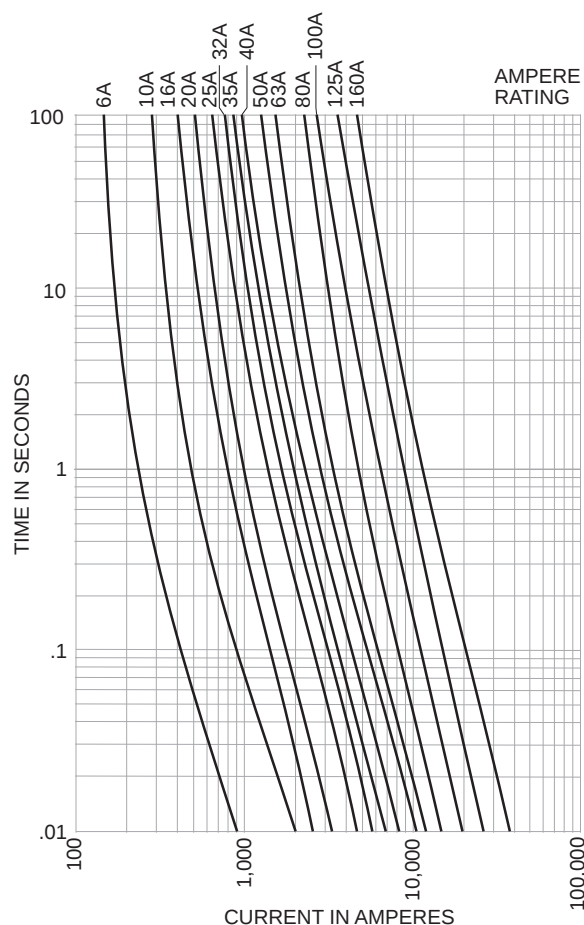
| Catalog Number | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |            |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|------------------------------------------------|------------|--------------|--------------|-----------------|---------------|
|                | Amp Ratings                                    | Pre-Arcing | Total @ 380V | Total @ 500V |                 |               |
| 6NH00G         | 6                                              | 33         | 100          | 210          | 1.3             | 500<br>AC     |
| 10NH00G        | 10                                             | 80         | 180          | 410          | 1.5             |               |
| 16NH00G        | 16                                             | 350        | 850          | 1,850        | 2.0             |               |
| 20NH00G        | 20                                             | 780        | 1,900        | 4,200        | 2.1             |               |
| 25NH00G        | 25                                             | 1,400      | 3,400        | 7,800        | 2.3             |               |
| 32NH00G        | 32                                             | 2,400      | 5,900        | 13,000       | 3.5             |               |
| 35NH00G        | 35                                             | 3,600      | 8,700        | 20,000       | 3.5             |               |
| 40NH00G        | 40                                             | 4,900      | 12,000       | 26,000       | 3.8             |               |
| 50NH00G        | 50                                             | 7,800      | 18,500       | 42,200       | 4.8             |               |
| 63NH00G        | 63                                             | 13,000     | 32,300       | 72,700       | 5.6             |               |
| 80NH00G        | 80                                             | 17,800     | 44,000       | 98,000       | 6.8             |               |
| 100NH00G       | 100                                            | 26,300     | 65,000       | 142,000      | 7.3             |               |
| 125NH00G       | 125                                            | 40,500     | 96,000       | 214,000      | 9.2             |               |
| 160NH00G       | 160                                            | 76,500     | 178,000      | 405,000      | 11.7            |               |

# HRC Fuse Links

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps

Sizes C00 to 4

Time Current Characteristics for Size 0

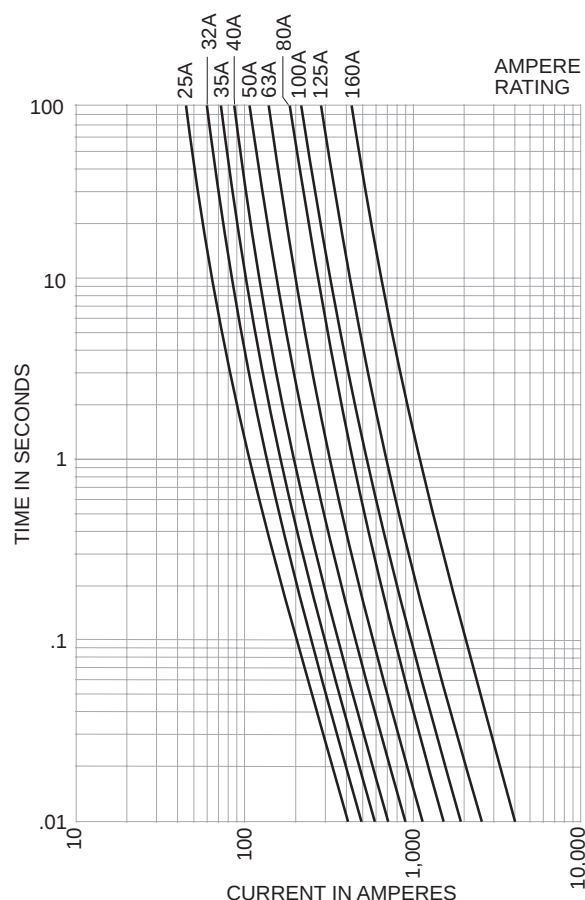


## Size 0 Details:

**Approvals:** VDE, CEBC, NEMKO, KEMA, FEMKO, and L.R.S.  
**Rated Currents:** 6, 10, 16, 20, 25, 32, 35, 40, 50, 63, 80, 100, 125, and 160 Amps  
**Weight:** 0.23 kg.

| Catalog Number | Amp Ratings | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|-------------|------------------------------------------------|--------------|--------------|-----------------|---------------|
|                |             | Pre-Arcing                                     | Total @ 380V | Total @ 500V |                 |               |
| 6NH0G          | 6           | 33                                             | 100          | 210          | 1.8             | 500 AC        |
| 10NH0G         | 10          | 80                                             | 150          | 410          | 2.1             |               |
| 16NH0G         | 16          | 350                                            | 850          | 1,850        | 2.5             |               |
| 20NH0G         | 20          | 780                                            | 1,900        | 4,200        | 2.7             |               |
| 25NH0G         | 25          | 1,400                                          | 3,400        | 7,800        | 3.0             |               |
| 32NH0G         | 32          | 2,400                                          | 5,900        | 13,000       | 4.2             |               |
| 35NH0G         | 35          | 3,600                                          | 8,700        | 20,000       | 4.3             |               |
| 40NH0G         | 40          | 4,900                                          | 12,000       | 26,000       | 4.6             |               |
| 50NH0G         | 50          | 7,800                                          | 18,500       | 42,200       | 5.5             |               |
| 63NH0G         | 63          | 13,000                                         | 32,300       | 72,700       | 7.2             |               |
| 80NH0G         | 80          | 17,800                                         | 44,000       | 98,000       | 7.3             |               |
| 100NH0G        | 100         | 26,300                                         | 65,000       | 142,000      | 9.4             |               |
| 125NH0G        | 125         | 40,500                                         | 96,000       | 214,000      | 12.6            |               |
| 160NH0G        | 160         | 76,500                                         | 178,000      | 405,000      | 14.2            |               |

Time Current Characteristics for Size 1 (small)



## Size 1 (small) Details:

**Approvals:** VDE, ÖVE, and FEMKO  
**Rated Currents:** 25, 32, 35, 40, 50, 63, 80, 100, 125, and 160 Amps  
**Weight:** 0.26 kg.

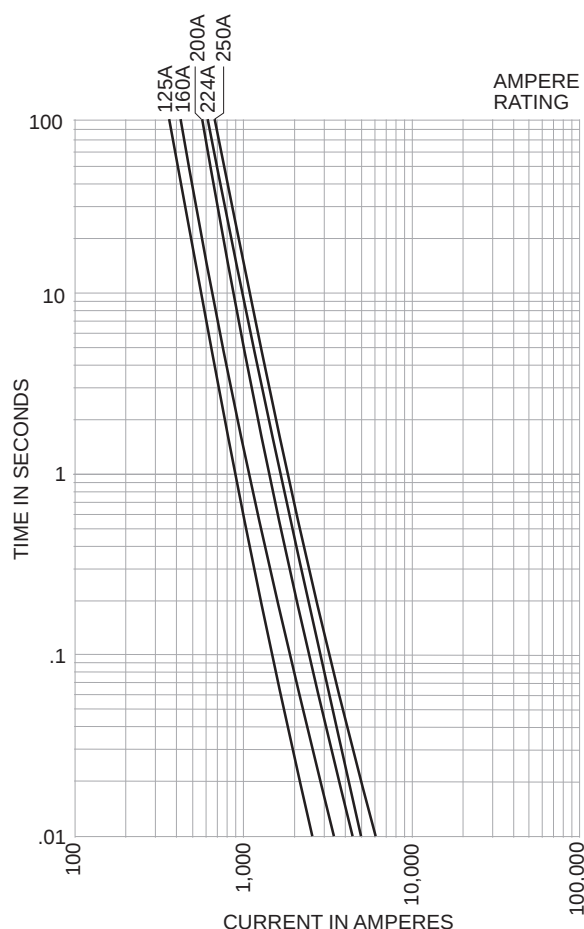
| Catalog Number | Amp Ratings | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|-------------|------------------------------------------------|--------------|--------------|-----------------|---------------|
|                |             | Pre-Arcing                                     | Total @ 380V | Total @ 500V |                 |               |
| 25NH1SG        | 25          | 1,400                                          | 3,400        | 7,800        | 3.0             | 500 AC        |
| 32NH1SG        | 32          | 2,400                                          | 5,900        | 13,000       | 4.2             |               |
| 35NH1SG        | 35          | 3,600                                          | 8,700        | 20,000       | 4.3             |               |
| 40NH1SG        | 40          | 4,900                                          | 12,000       | 26,000       | 4.6             |               |
| 50NH1SG        | 50          | 7,800                                          | 18,500       | 42,200       | 5.3             |               |
| 63NH1SG        | 63          | 13,000                                         | 32,300       | 72,700       | 7.2             |               |
| 80NH1SG        | 80          | 17,800                                         | 44,000       | 98,000       | 7.3             |               |
| 100NH1SG       | 100         | 26,300                                         | 65,000       | 142,000      | 9.4             |               |
| 125NH1SG       | 125         | 40,500                                         | 96,000       | 214,000      | 12.7            |               |
| 160NH1SG       | 160         | 76,500                                         | 178,000      | 405,000      | 14.2            |               |

# HRC Fuse Links

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps

Sizes C00 to 4

Time Current Characteristics for Size 1



## Size 1 Details:

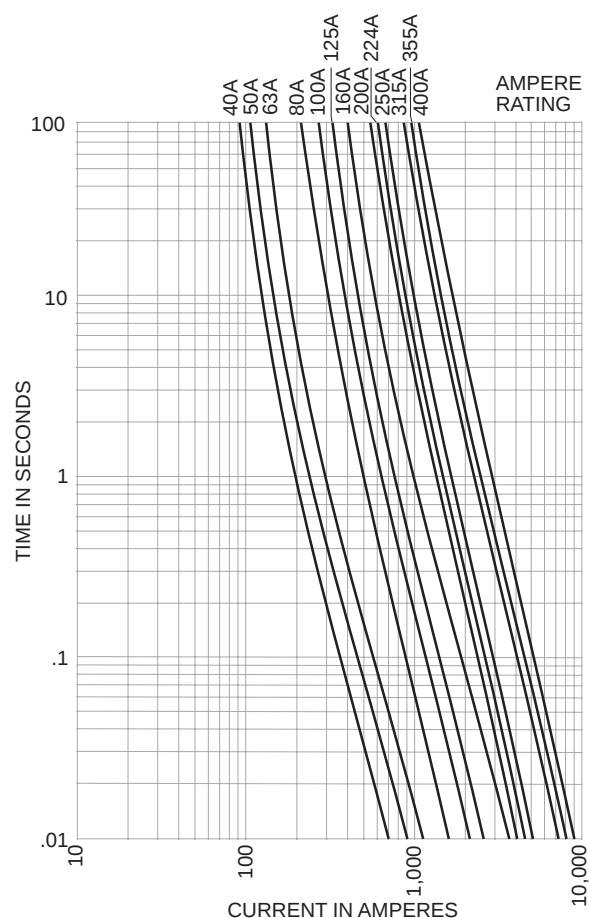
**Approvals:** VDE, CEBEC, ÖVE, L.R.S, NEMKO, KEMA, and FEMKO

**Rated Currents:** 125, 160, 200, 224, and 250 Amps

**Weight:** 0.38 kg.

| Catalog Number | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |            |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|------------------------------------------------|------------|--------------|--------------|-----------------|---------------|
|                | Amp Ratings                                    | Pre-Arcing | Total @ 380V | Total @ 500V |                 |               |
| 125NH1G        | 125                                            | 40,500     | 96,000       | 215,000      | 12.7            | 500 AC        |
| 160NH1G        | 160                                            | 76,500     | 178,000      | 405,000      | 16.2            |               |
| 200HNNH1G      | 200                                            | 120,000    | 290,000      | 650,000      | 19.1            |               |
| 224NH1G        | 224                                            | 160,000    | 385,000      | 870,000      | 20.9            |               |
| 250NH1G        | 250                                            | 193,000    | 470,000      | 1,100,000    | 21.6            |               |

Time Current Characteristics for Size 2



## Size 2 Details:

**Approvals:** VDE, CEBEC, ÖVE, L.R.S, NEMKO, KEMA, and FEMKO

**Rated Currents:** 40, 50, 63, 80, 100, 125, 160, 200, 224, 250, 300, 315, 355, and 400 Amps

**Weight:** 0.59 kg.

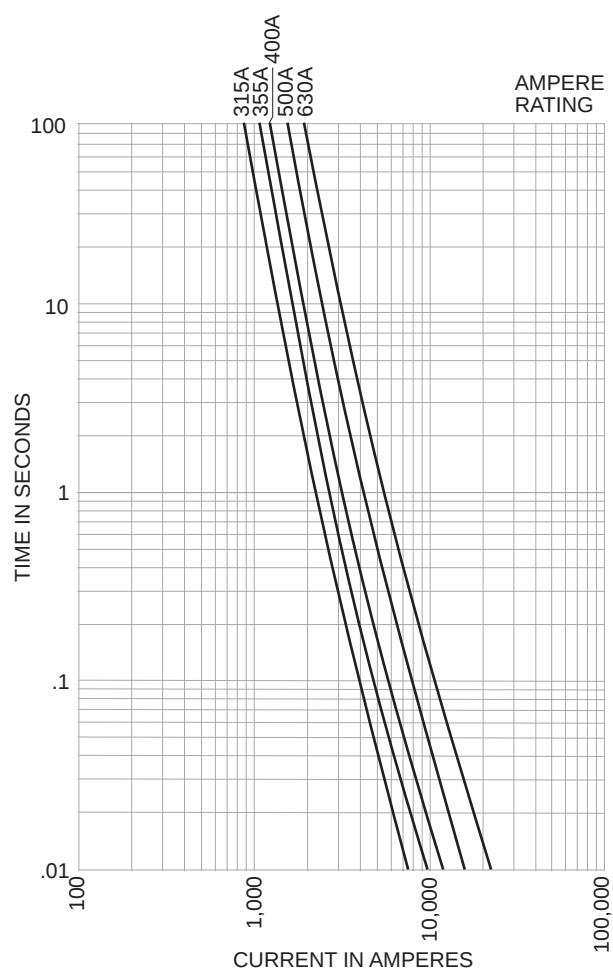
| Catalog Number | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |            |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|------------------------------------------------|------------|--------------|--------------|-----------------|---------------|
|                | Amp Ratings                                    | Pre-Arcing | Total @ 380V | Total @ 500V |                 |               |
| 40NH2G         | 40                                             | 4,900      | 12,000       | 26,000       | 4.6             | 500 AC        |
| 50NH2G         | 50                                             | 7,800      | 18,500       | 42,200       | 6.0             |               |
| 63NH2G         | 63                                             | 13,000     | 32,300       | 72,700       | 7.7             |               |
| 80NH2G         | 80                                             | 17,800     | 44,000       | 98,000       | 7.8             |               |
| 100NH2G        | 100                                            | 26,300     | 65,000       | 142,000      | 9.3             |               |
| 125NH2G        | 125                                            | 40,500     | 96,000       | 214,000      | 12.5            |               |
| 160NH02G       | 160                                            | 76,500     | 178,000      | 405,000      | 17.5            |               |
| 200NH2G        | 200                                            | 120,000    | 290,000      | 650,000      | 18.1            |               |
| 224NH2G        | 224                                            | 160,000    | 385,000      | 870,000      | 21.2            |               |
| 250NH2G        | 250                                            | 193,000    | 470,000      | 1,100,000    | 24.9            |               |
| 315NH2G        | 315                                            | 320,000    | 780,000      | 1,750,000    | 29.7            |               |
| 355NH2G        | 355                                            | 405,000    | 1,000,000    | 2,250,000    | 33.7            |               |
| 400NH2G        | 400                                            | 590,000    | 1,500,000    | 3,300,000    | 32.1            |               |

# HRC Fuse Links

NH

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps  
 Sizes C00 to 4

## Time Current Characteristics for Size 3



## Size 3 Details:

**Approvals:**

CEBEC

**Rated Currents:**

315, 355, 400, 425, 500, and 630 Amps

**Weight:**

1.0 kg.

| Catalog Number | I <sup>2</sup> t (Ampere <sup>2</sup> Seconds) |            |              |              | Nom. Watts Loss | Rated Voltage |
|----------------|------------------------------------------------|------------|--------------|--------------|-----------------|---------------|
|                | Amp Ratings                                    | Pre-Arcing | Total @ 380V | Total @ 500V |                 |               |
| 315NH3G        | 315                                            | 320,000    | 780,000      | 1,750,000    | 29.7            | 500 AC        |
| 355NH3G        | 355                                            | 405,000    | 1,000,000    | 2,250,000    | 33.7            |               |
| 400NH3G        | 400                                            | 590,000    | 1,500,000    | 3,300,000    | 32.1            |               |
| 500NH3G        | 500                                            | 1,000,000  | 2,500,000    | 5,500,000    | 38.3            |               |
| 630NH3G        | 630                                            | 1,670,000  | 4,100,000    | 9,200,000    | 42.5            |               |

## HRC Fuse Links

NH

Class of Operation gL/gG, 500V AC, 2 to 1600 Amps  
 Sizes C00 to 4

**Competitor's Cross Reference**  
**Bussmann 500/660V 'NH' Fuselinks**

| Body Size | Bussmann  | Lindner    | Siemens  | Jean Muller | Body Size | Bussmann  | Lindner   | Siemens  | Jean Muller |
|-----------|-----------|------------|----------|-------------|-----------|-----------|-----------|----------|-------------|
| C00       | 2NHC00G   | 7999.0027  | —        | M00CgL2     | 1         | 125NH1G   | 8001.1257 | 3NA3 132 | M1GL125     |
|           | 4NHC00G   | 7999.0047  | —        | M00CgL4     |           | 160NH1G   | 8001.1607 | 3NA3 136 | M1GL160     |
|           | 6NHC00G   | 7999.0067  | 3NA3 801 | M00CgL6     |           | 200NH1G   | 8001.2007 | 3NA3 140 | M1GL200     |
|           | 10NHC00G  | 7999.0107  | 3NA3 803 | M00CgL10    |           | 224NH1G   | —         | —        | —           |
|           | 16NHC00G  | 7999.0167  | 3NA3 805 | M00CgL16    |           | 250NH1G   | 8001.2507 | 3NA3 144 | M1GL1250    |
|           | 20NHC00G  | 7999.0207  | 3NA3 807 | M00CgL20    | 2         | 40NH2G    | 8002.0407 | —        | M2gL40      |
|           | 25NHC00G  | 7999.0257  | 3NA3 810 | M00CgL25    |           | 50NH2G    | 8002.0507 | —        | M2gL50      |
|           | 32NHC00G  | 7999.0327  | 3NA3 812 | M00CgL32    |           | 63NH2G    | 8002.0637 | —        | M2gL63      |
|           | 35NHC00G  | 7999.0357  | 3NA3 814 | M00CgL35    |           | 80NH2G    | 8002.0807 | 3NA3 224 | M2gL80      |
|           | 40NHC00G  | 7999.0407  | 3NA3 817 | M00CgL40    |           | 100NH2G   | 8002.1007 | 3NA3 230 | M2gL100     |
|           | 50NHC00G  | 7999.0507  | 3NA3 820 | M00CgL50    |           | 125NH2G   | 8002.1257 | 3NA3 232 | M2gL125     |
|           | 63NHC00G  | 7999.0637  | 3NA3 822 | M00CgL63    |           | 160NH2G   | 8002.1607 | 3NA3 236 | M2gL160     |
|           | 80NHC00G  | 7999.0807  | 3NA3 824 | M00CgL80    |           | 200NH2G   | 8002.2007 | 3NA3 240 | M2gL200     |
|           | 100NHC00G | 7999.01007 | 3NA3 830 | M00CgL100   |           | 224NH2G   | —         | —        | —           |
|           | 2NH00G    | —          | —        | —           |           | 250NH2G   | 8002.2507 | —        | M2gL250     |
|           | 4NH00G    | —          | —        | —           |           | 300NH2G   | 8002.3007 | —        | —           |
|           | 6NH00G    | —          | —        | —           |           | 315NH2G   | 8002.3157 | 3NA3 252 | M2gL315     |
|           | 10NH00G   | —          | —        | —           |           | 355NH2G   | —         | —        | —           |
| 00        | 16NH00G   | —          | —        | —           |           | 400NH2G   | 8002.4007 | 3NA3 372 | M2gL400     |
|           | 20NH00G   | —          | —        | —           | 3         | 315NH3G   | 8003.3157 | 3NA3 352 | M3gL315     |
|           | 25NH00G   | —          | —        | —           |           | 355NH3G   | —         | —        | —           |
|           | 32NH00G   | —          | —        | —           |           | 400NH3G   | 8003.4007 | 3NA3 360 | M3gL400     |
|           | 35NH00G   | —          | —        | —           |           | 425NH3G   | —         | —        | —           |
|           | 40NH00G   | —          | —        | —           |           | 500NH3G   | 8003.5007 | 3NA3 365 | M3gL500     |
|           | 50NH00G   | —          | —        | —           |           | 400NH3G   | 8003.4007 | 3NA3 360 | M3gL400     |
|           | 63NH00G   | —          | —        | —           |           | 630NH3G   | 8003.6307 | 3NA3 372 | M3gL630     |
|           | 80NH00G   | —          | —        | —           | 4         | 800NH4AG  | 8004.8007 | —        | M4gDL800    |
|           | 100NH00G  | —          | —        | —           |           | 1000NH4AG | 8004.1007 | —        | M4gDL1000   |
|           | 125NH00G  | 7999.1257  | 3NA3 832 | M00gL125    |           | 1250NH4AG | 8004.1257 | —        | —           |
|           | 160NH00G  | 7999.1607  | 3NA3 836 | M00gL160    |           | 1600NH4AG | 8004.1607 | —        | —           |
| 0         | 6NH0G     | —          | —        | —           |           |           |           |          |             |
|           | 10NH0G    | 8000.0107  | 3NA3 003 | M0gL10      |           |           |           |          |             |
|           | 16NH0G    | 8000.0167  | 3NA3 005 | M0gL16      |           |           |           |          |             |
|           | 20NH0G    | 8000.0207  | 3NA3 007 | M0gL20      |           |           |           |          |             |
|           | 25NH0G    | 8000.0257  | 3NA3 010 | M0gL25      |           |           |           |          |             |
|           | 32NH0G    | 8000.0327  | 3NA3 012 | M0gL32      |           |           |           |          |             |
|           | 35NH0G    | 8000.0357  | 3NA3 014 | M0gL35      |           |           |           |          |             |
|           | 40NH0G    | 8000.0407  | 3NA3 017 | M0gL40      |           |           |           |          |             |
|           | 50NH0G    | 8000.0507  | 3NA3 020 | M0gL50      |           |           |           |          |             |
|           | 63NH0G    | 8000.0637  | 3NA3 022 | M0gL63      |           |           |           |          |             |
|           | 80NH0G    | 8000.0807  | 3NA3 024 | M0gL80      |           |           |           |          |             |
|           | 100NH0G   | 8000.1007  | 3NA3 030 | M0gL100     |           |           |           |          |             |
|           | 125NH0G   | 8000.1257  | 3NA3 032 | M0gL125     |           |           |           |          |             |
|           | 160NH0G   | 8000.1607  | 3NA3 036 | M0gL160     |           |           |           |          |             |

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