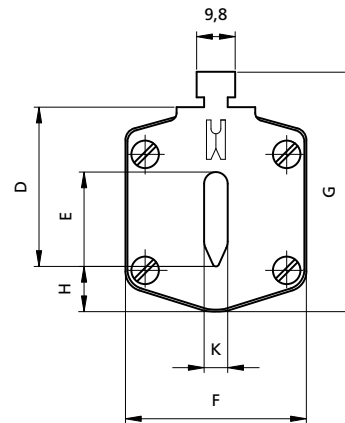
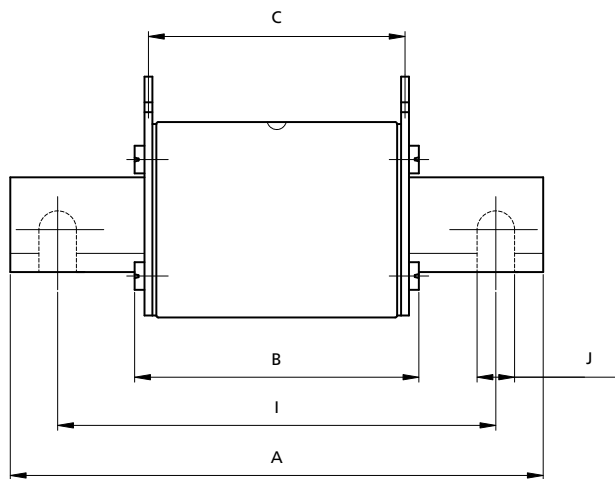


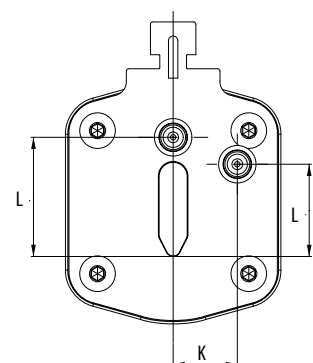
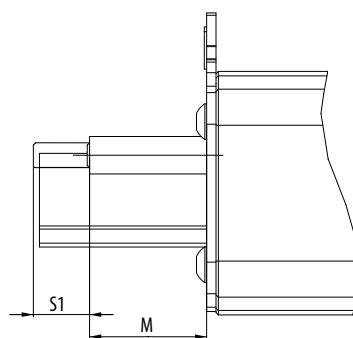
Fuse Links NV/NH gG Dimensions

| Type     | Dimensions |    |    |    |    |     |     |     |     |    |         |
|----------|------------|----|----|----|----|-----|-----|-----|-----|----|---------|
|          | A          | B  | C  | D  | E  | F   | G   | H   | I   | J  | K       |
| NV00C    | 79         | 53 | 47 | 35 | 15 | 21  | 52  | 7,5 |     |    | 6 KOMBI |
| NV00C I  | 79         | 53 | 47 | 35 | 15 | 21  | 52  | 7,5 |     |    | 6 KOMBI |
| NV00     | 79         | 53 | 47 | 35 | 15 | 28  | 56  | 12  |     |    | 6 KOMBI |
| NV00 I   | 79         | 53 | 47 | 35 | 15 | 28  | 56  | 12  |     |    | 6 KOMBI |
| NV0      | 125        | 68 | 65 | 35 | 15 | 28  | 56  | 12  |     |    | 6 KOMBI |
| NV1C     | 135        | 68 | 65 | 40 | 15 | 28  | 61  | 12  |     |    | 6 KOMBI |
| NV1C I   | 135        | 68 | 65 | 40 | 15 | 28  | 61  | 12  |     |    | 6 KOMBI |
| NV1      | 135        | 72 | 65 | 40 | 20 | 46  | 65  | 14  |     |    | 6 KOMBI |
| NV1 I    | 135        | 72 | 65 | 40 | 20 | 46  | 65  | 14  |     |    | 6 KOMBI |
| NV2C     | 150        | 72 | 65 | 48 | 20 | 46  | 73  | 14  |     |    | 6 KOMBI |
| NV2C I   | 150        | 72 | 65 | 48 | 20 | 46  | 73  | 14  |     |    | 6 KOMBI |
| NV2      | 150        | 72 | 65 | 48 | 26 | 54  | 73  | 14  |     |    | 6 KOMBI |
| NV2 I    | 150        | 72 | 65 | 48 | 26 | 54  | 73  | 14  |     |    | 6 KOMBI |
| NV3C     | 150        | 72 | 65 | 60 | 26 | 54  | 84  | 14  |     |    | 6 KOMBI |
| NV3      | 150        | 72 | 65 | 60 | 33 | 65  | 84  | 14  |     |    | 6 KOMBI |
| NV4      | 200        | 75 | 66 | 87 | 50 | 100 | 121 | 24  | 150 | 16 | 8       |
| NV4a     | 200        | 99 | 87 | 85 | 50 | 95  | 121 | 27  |     |    | 6       |
| NV4a MI* | 200        | 99 | 87 | 85 | 50 | 95  | 121 | 27  |     |    | 6       |



Fuse Links NV/NH gG with Striker Pin Dimensions

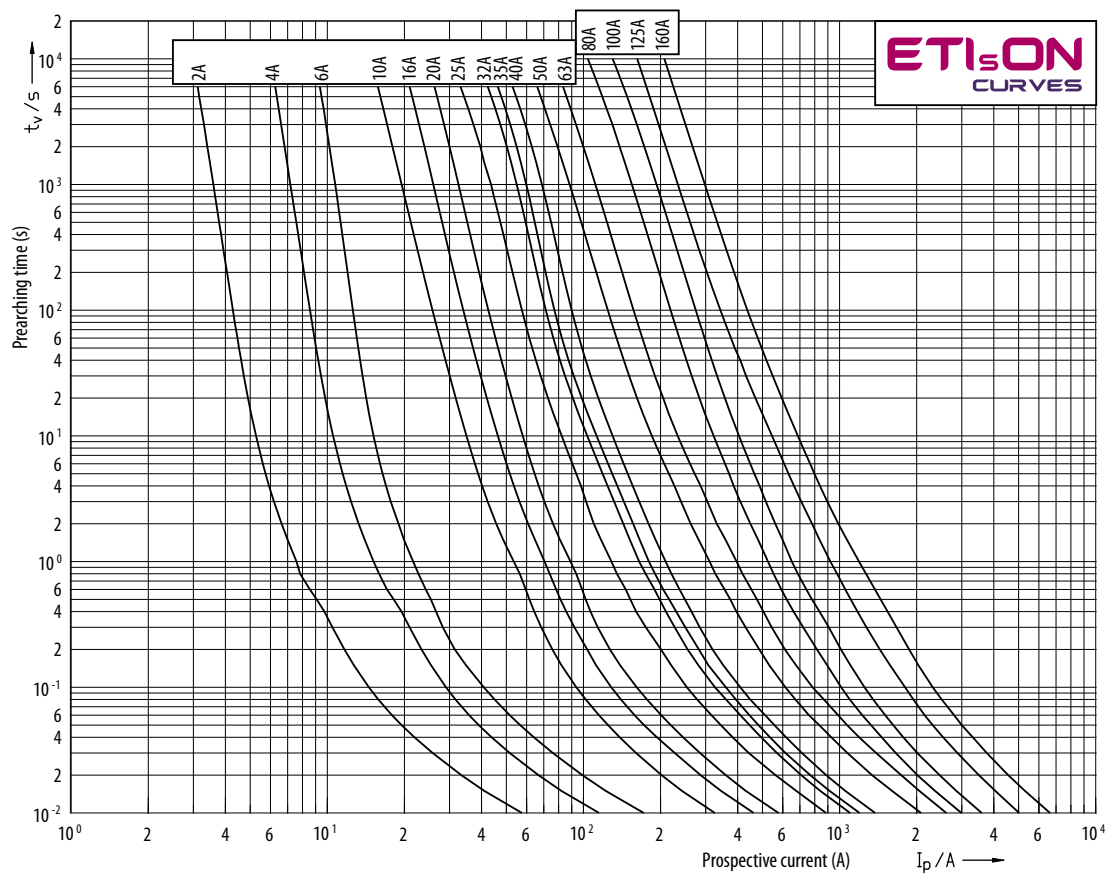
| Type | Dimensions |      |      |     |
|------|------------|------|------|-----|
|      | K          | L    | M    | S1  |
| 00C  | 0          | 20.7 | 16.7 | 7.5 |
| 00   | 0          | 20.7 | 16.7 | 7.5 |
| 1    | 13.7       | 19.7 | 25   | 12  |
| 2    | 16.2       | 27.4 | 25   | 12  |
| 3    | 17         | 35.6 | 25   | 12  |
| 4a   | 24         | 49   | 25   | 12  |



## Characteristics gG

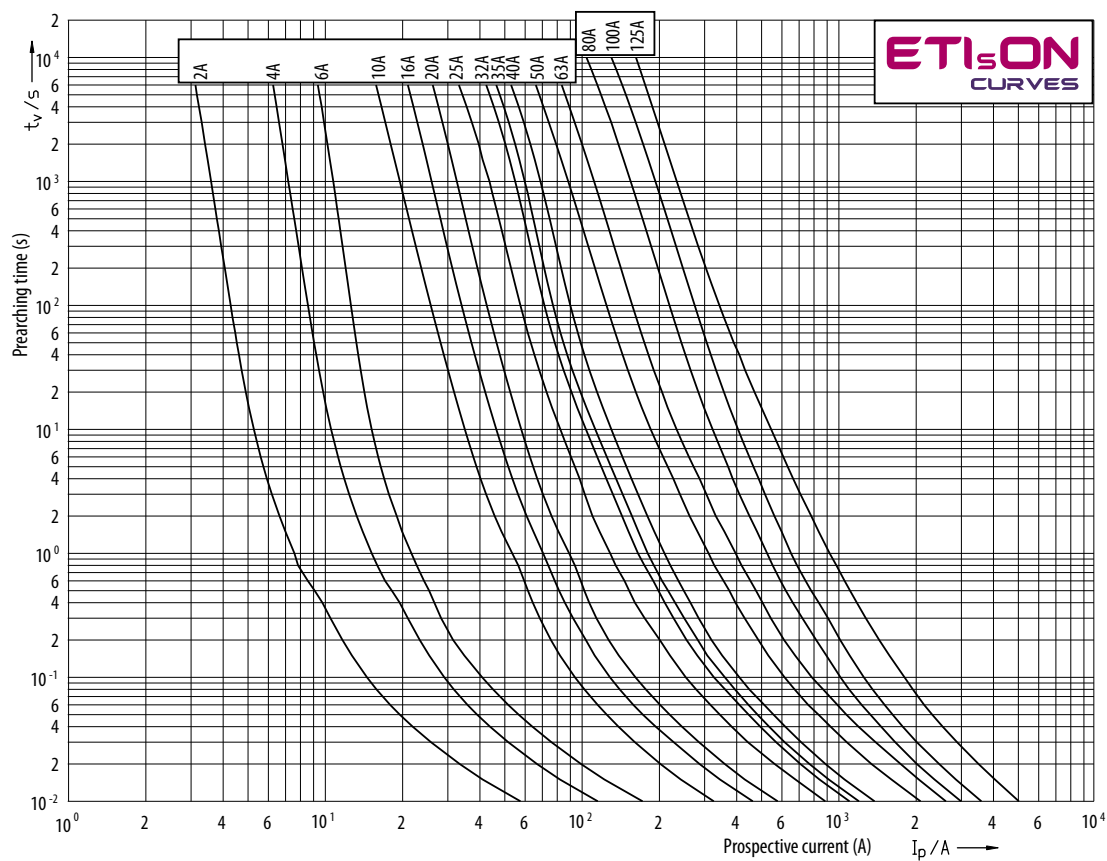
NH000 400V

Time current  
characteristics  
 $I/t, gG$



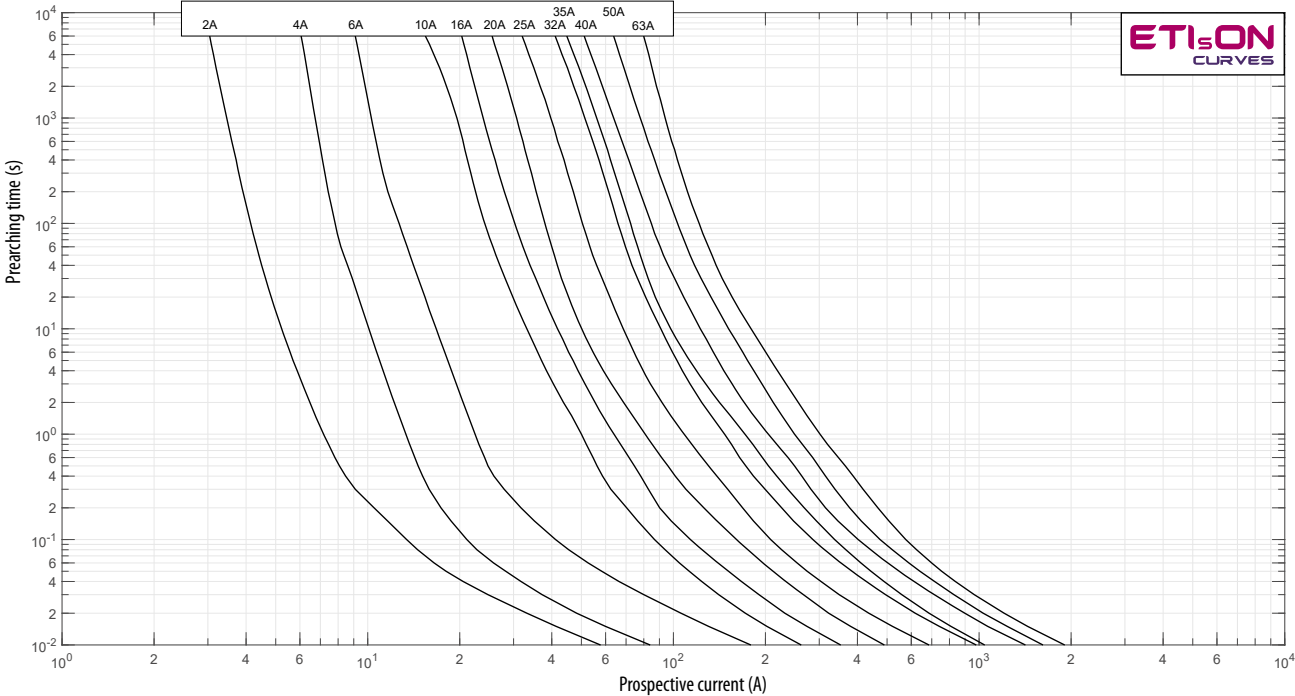
NH000 500V

Time current  
characteristics  
 $I/t, gG$



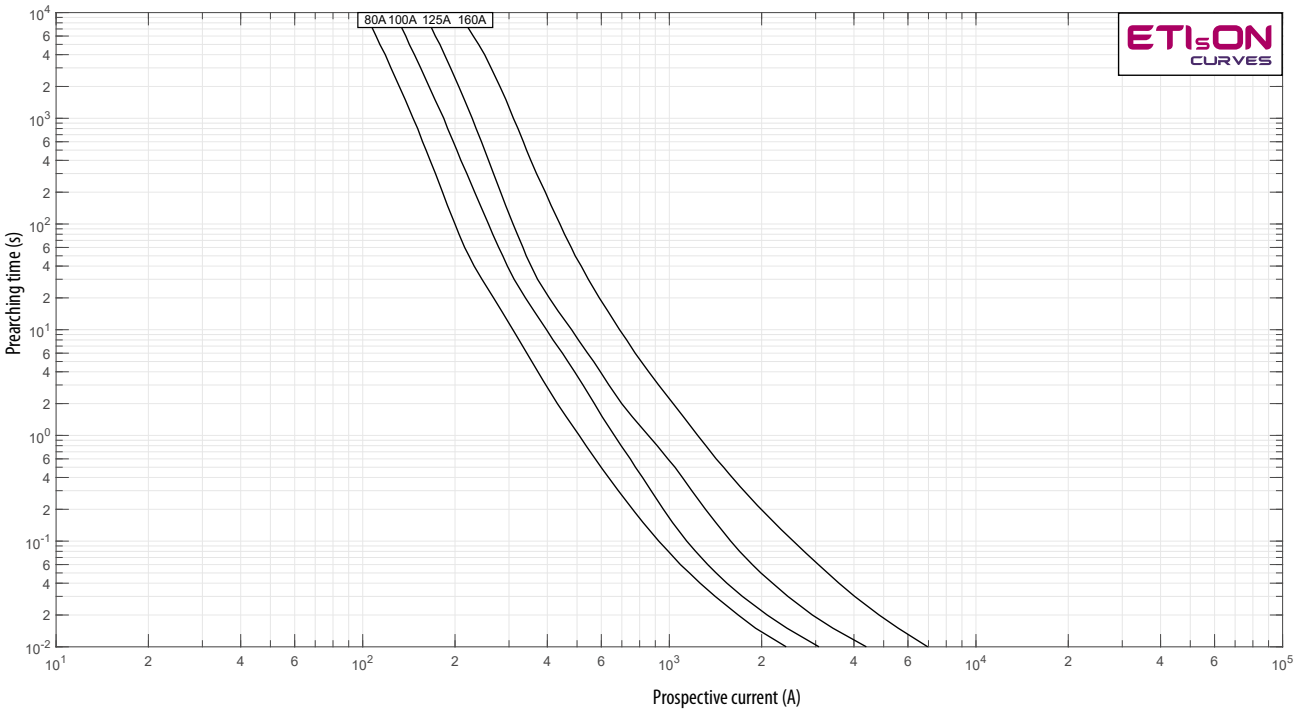
NH000 690V

Time current  
characteristics  
I/t, gG



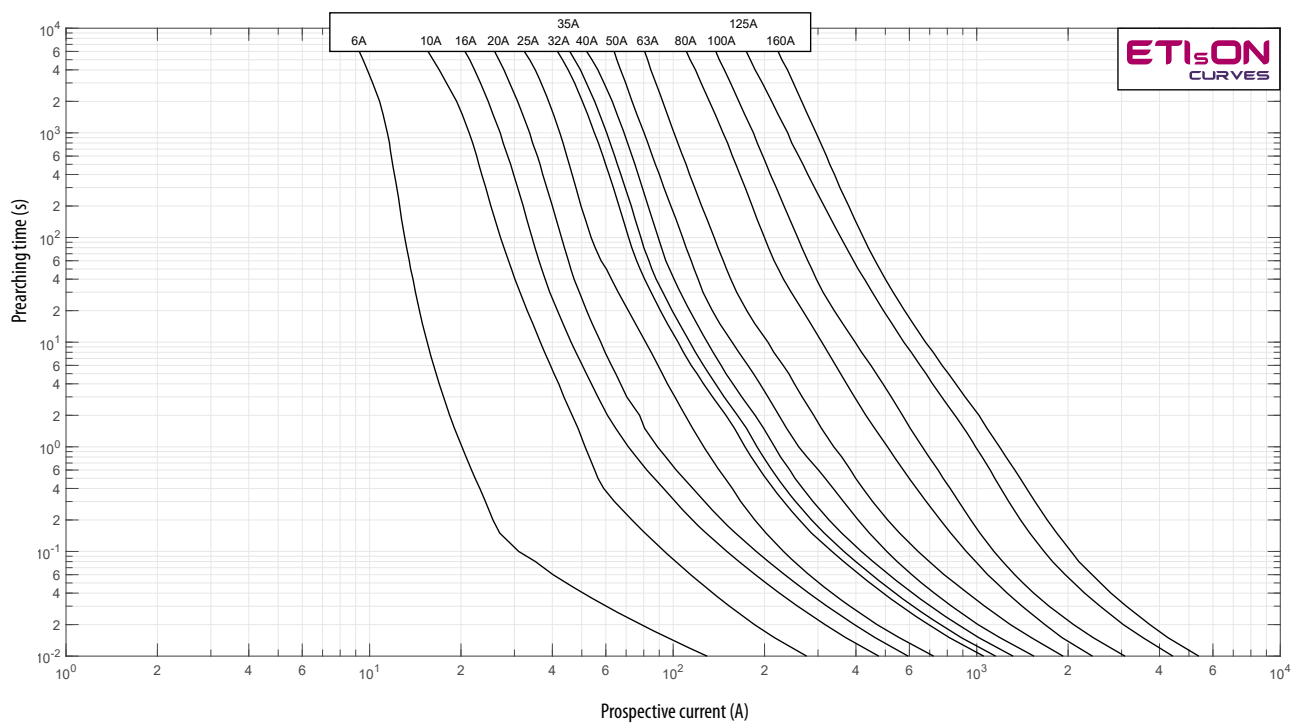
NH00 400V

Time current  
characteristics  
I/t, gG



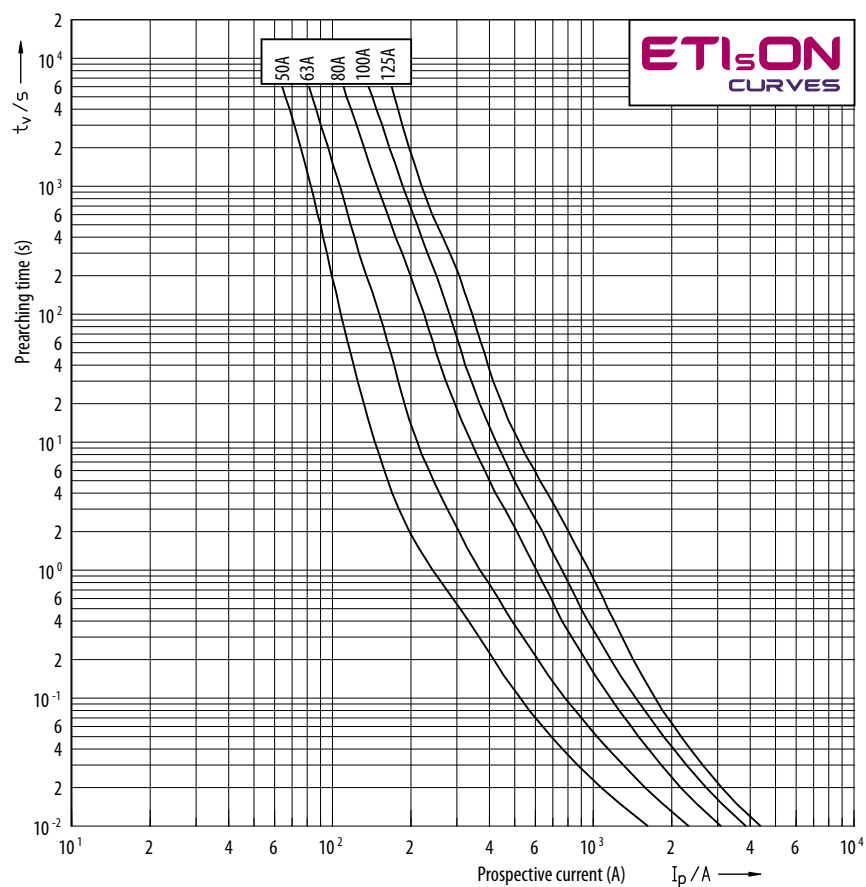
NH00 500V

Time current  
characteristics  
 $I/t, gG$



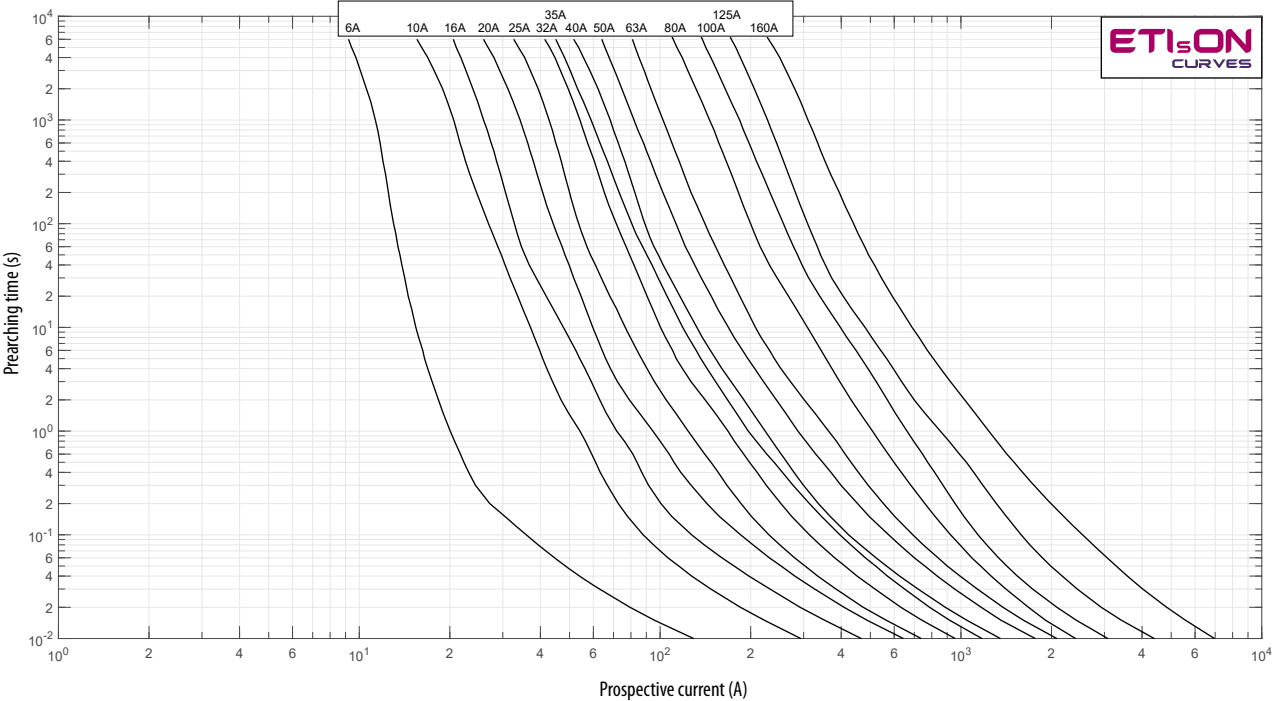
NH00 690V

Time current  
characteristics  
 $I/t, gG$



NHO, NH1C  
400V

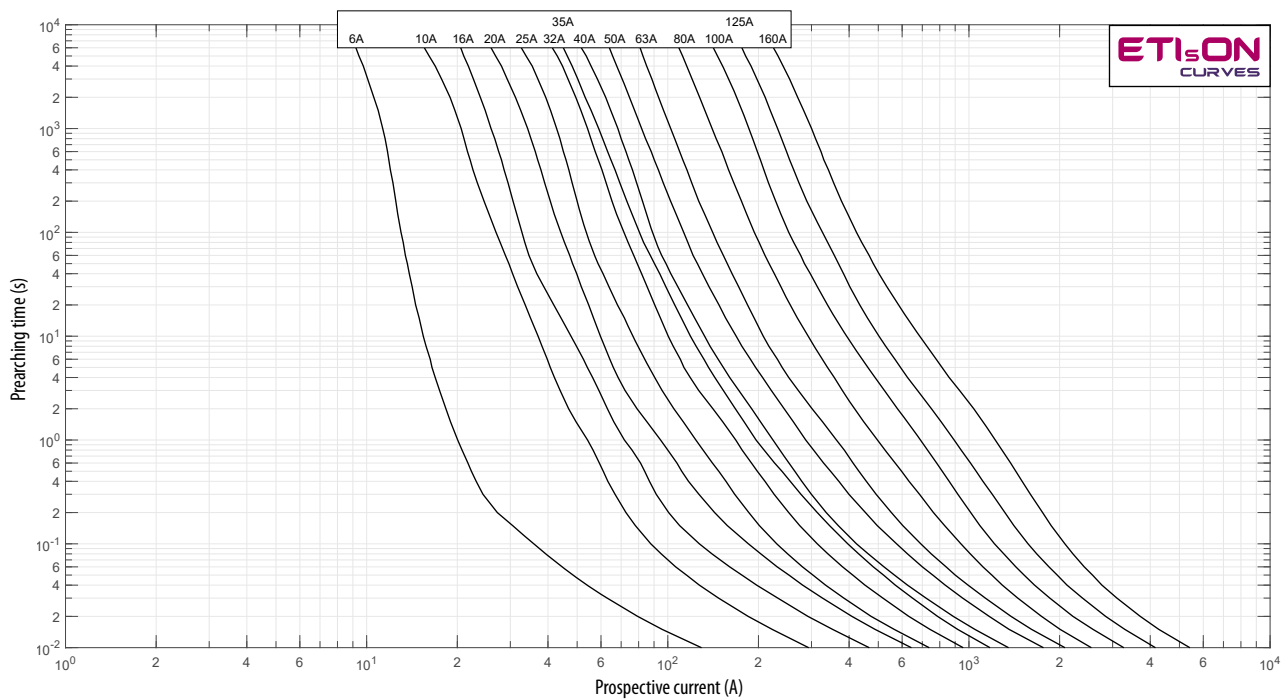
Time current  
characteristics  
I/t, gG



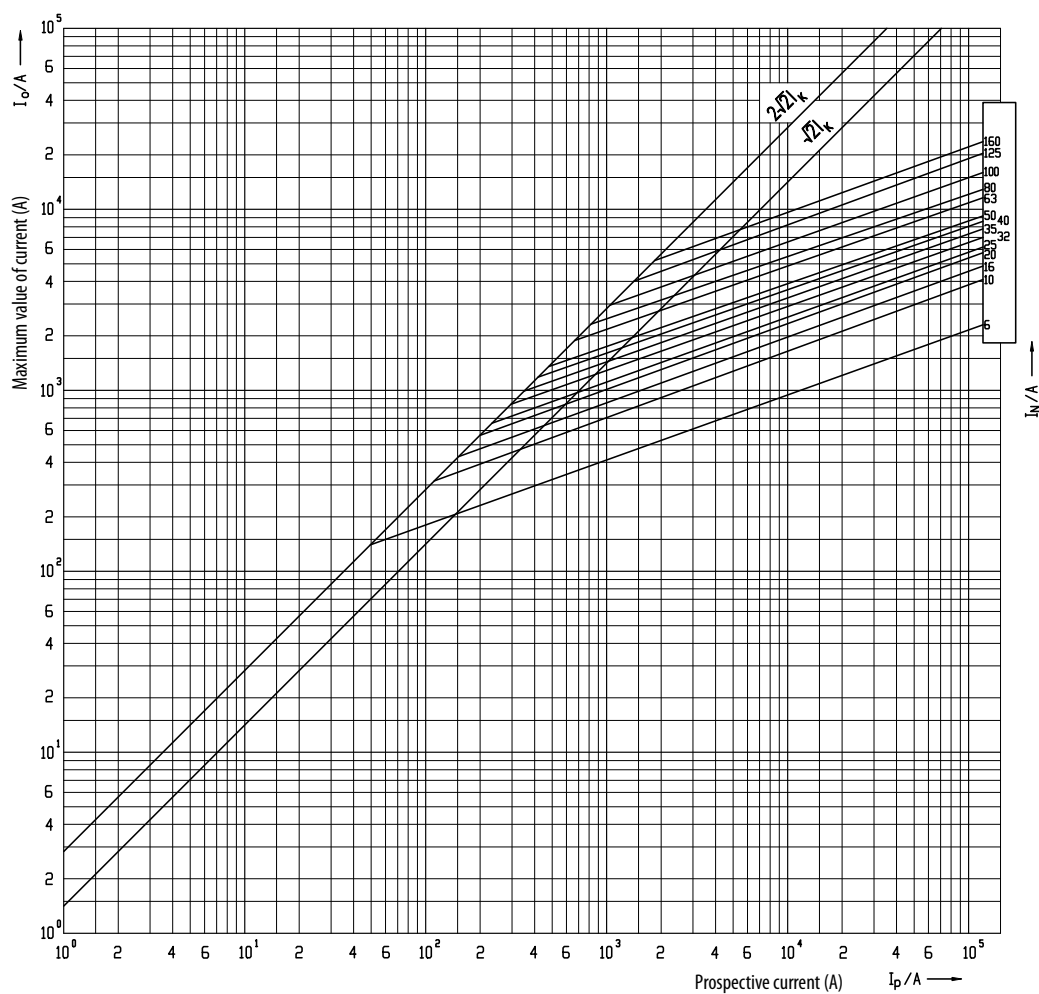
**ETIFUSE:** Streamline  
Your Fuse Selection -  
Interactive Online Tool

NHO, NH1C  
500V

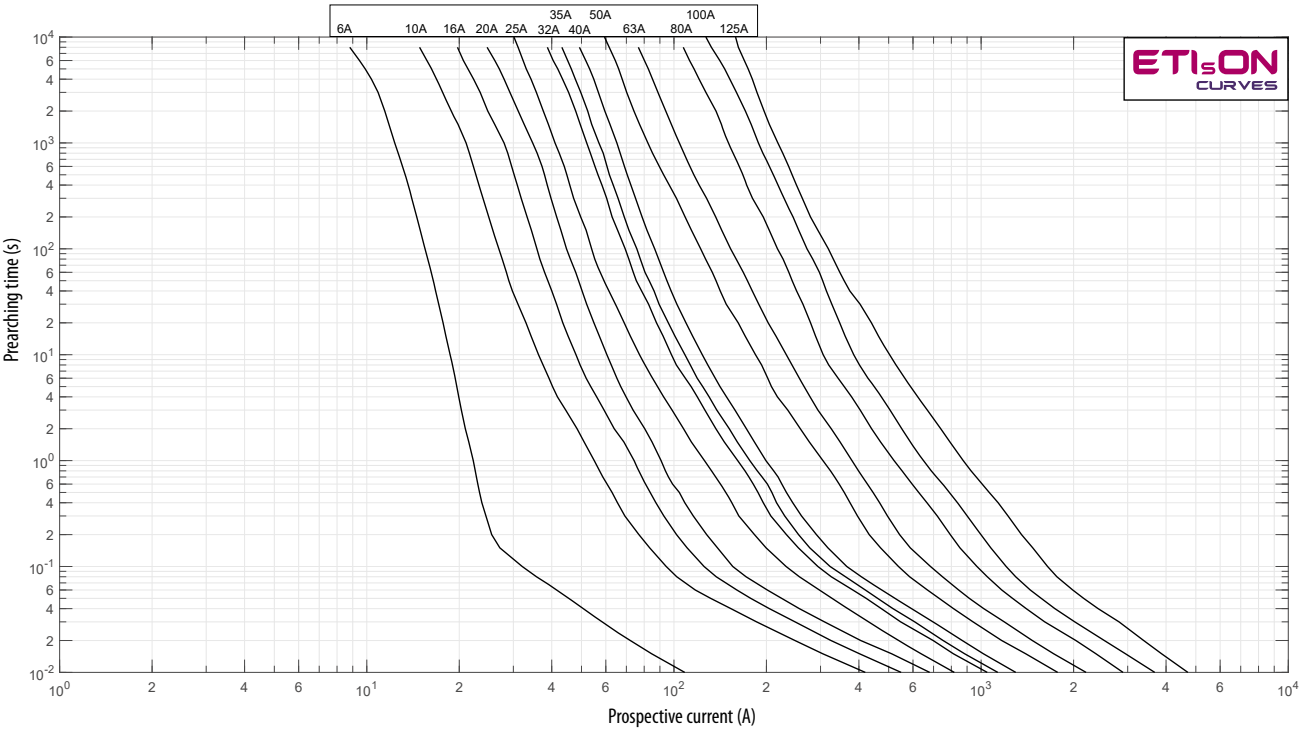
Time current  
characteristics  
 $I/t, \text{gG}$



Cut-off current  
characteristics



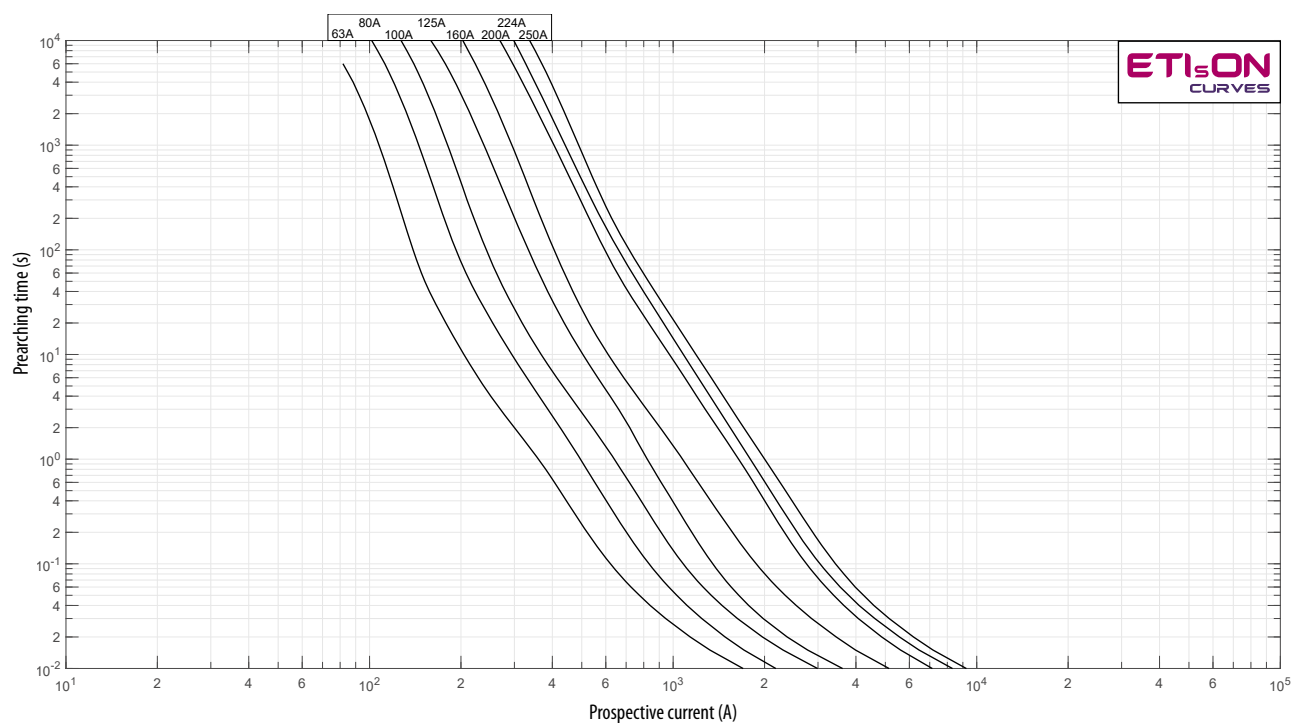
NHO, NH1C  
690V  
Time current  
characteristics  
I/t, gG



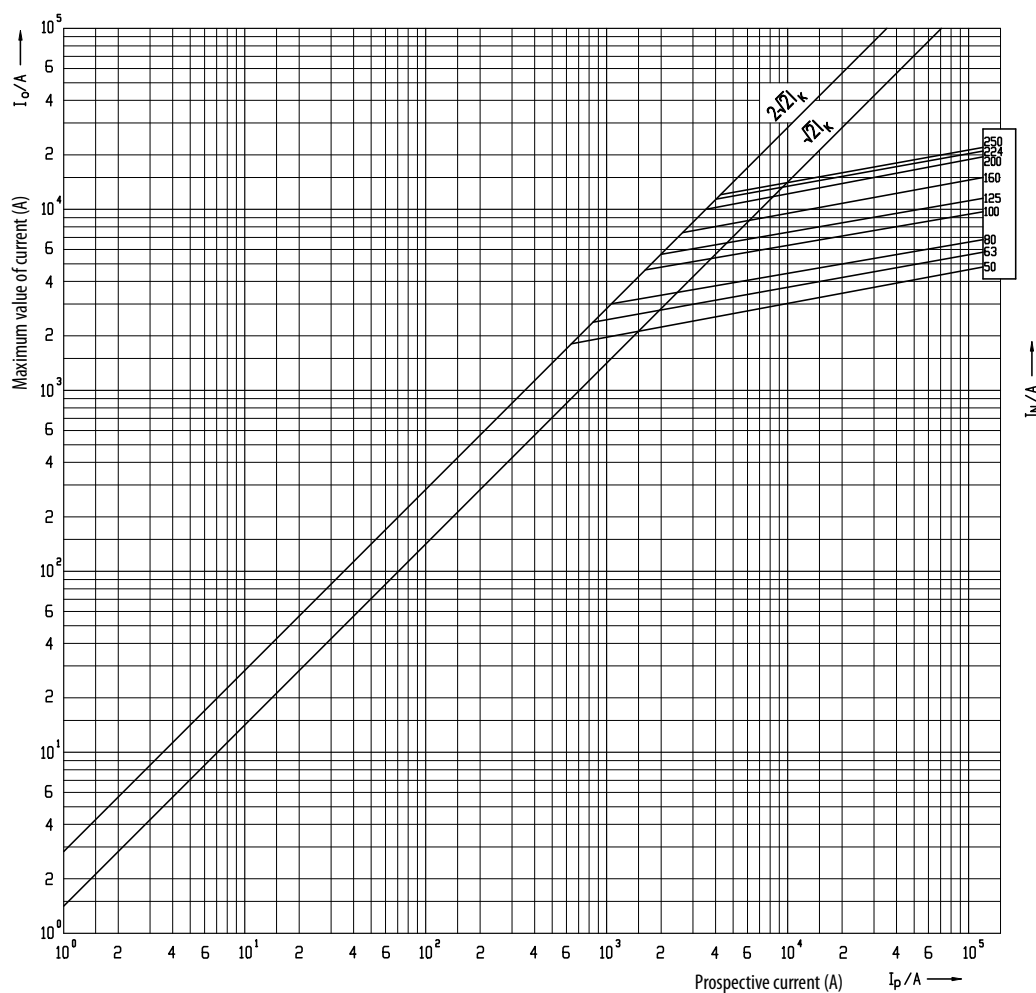
NH1 400V

Time current  
characteristics

$I/t, gG$

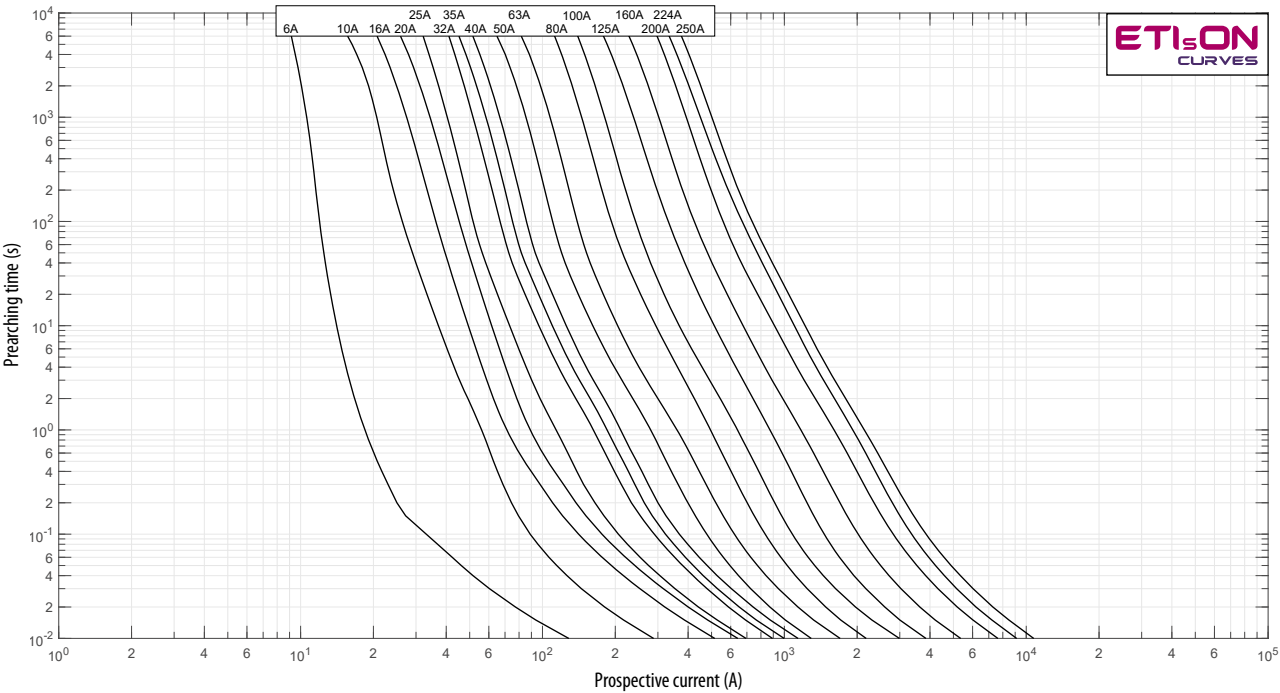


Cut-off current  
characteristics

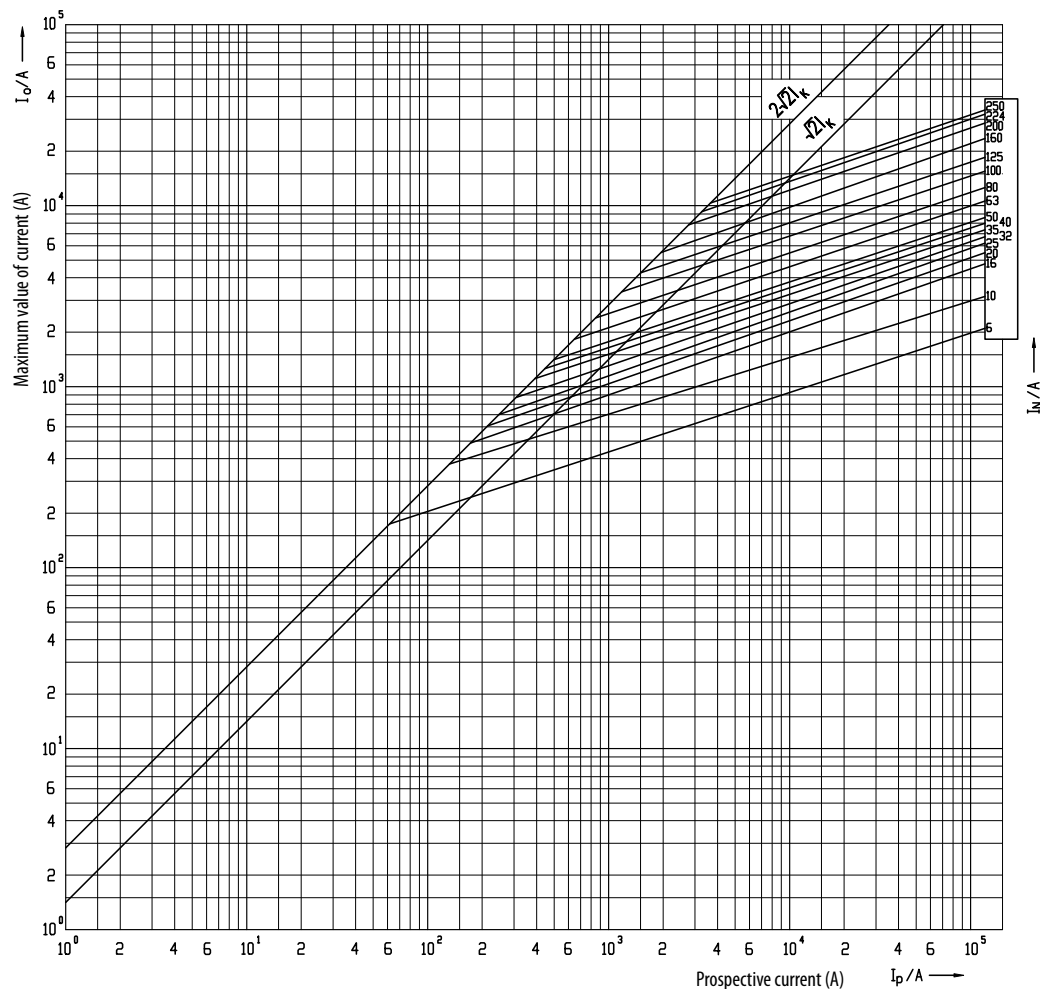


NH1 500V

Time current  
characteristics  
 $I/t, gG$



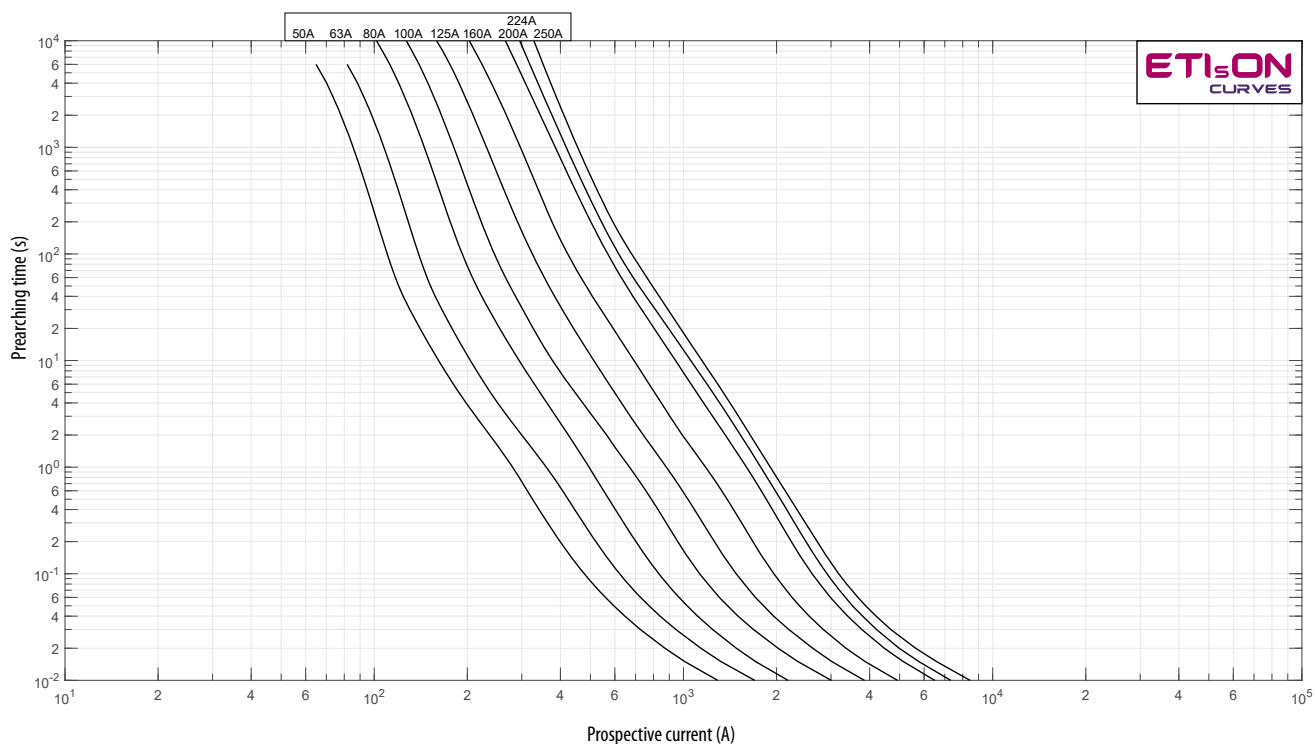
Cut-off current  
characteristics



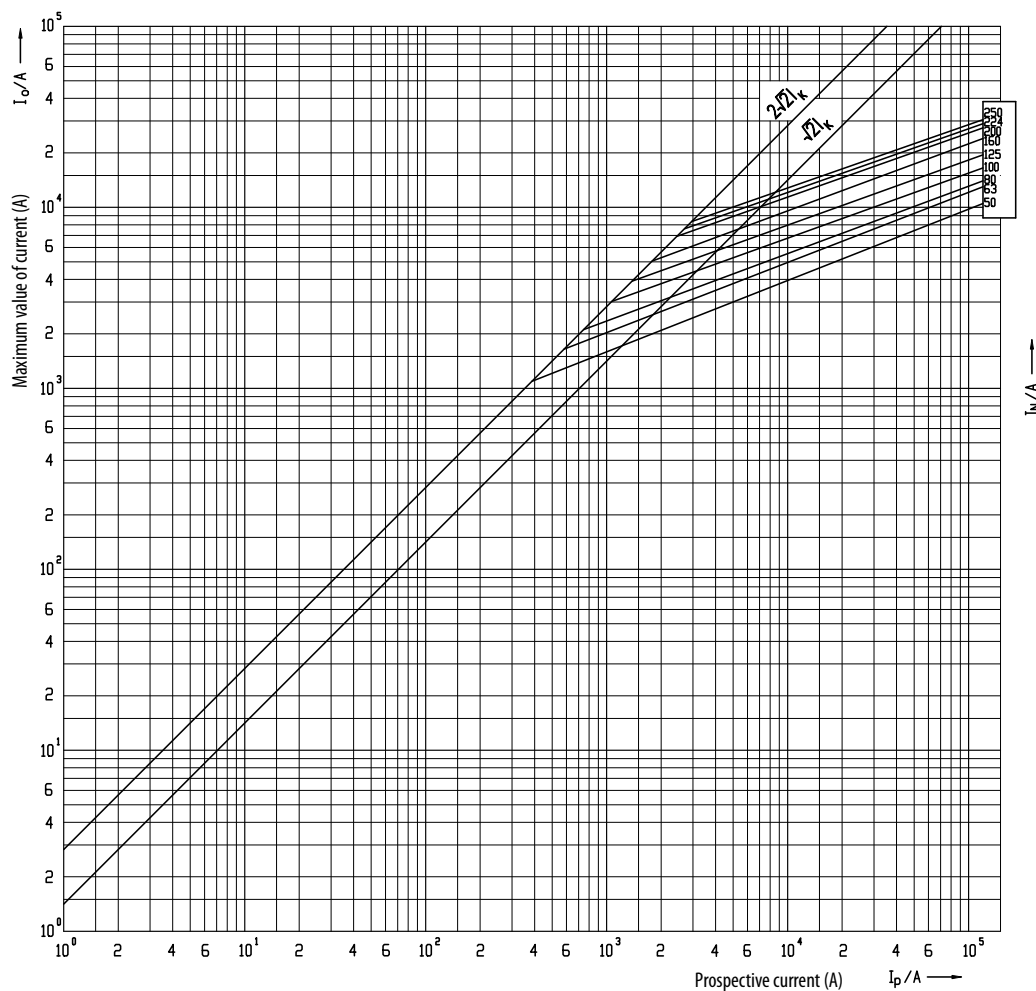
NH1 690V

Time current  
characteristics

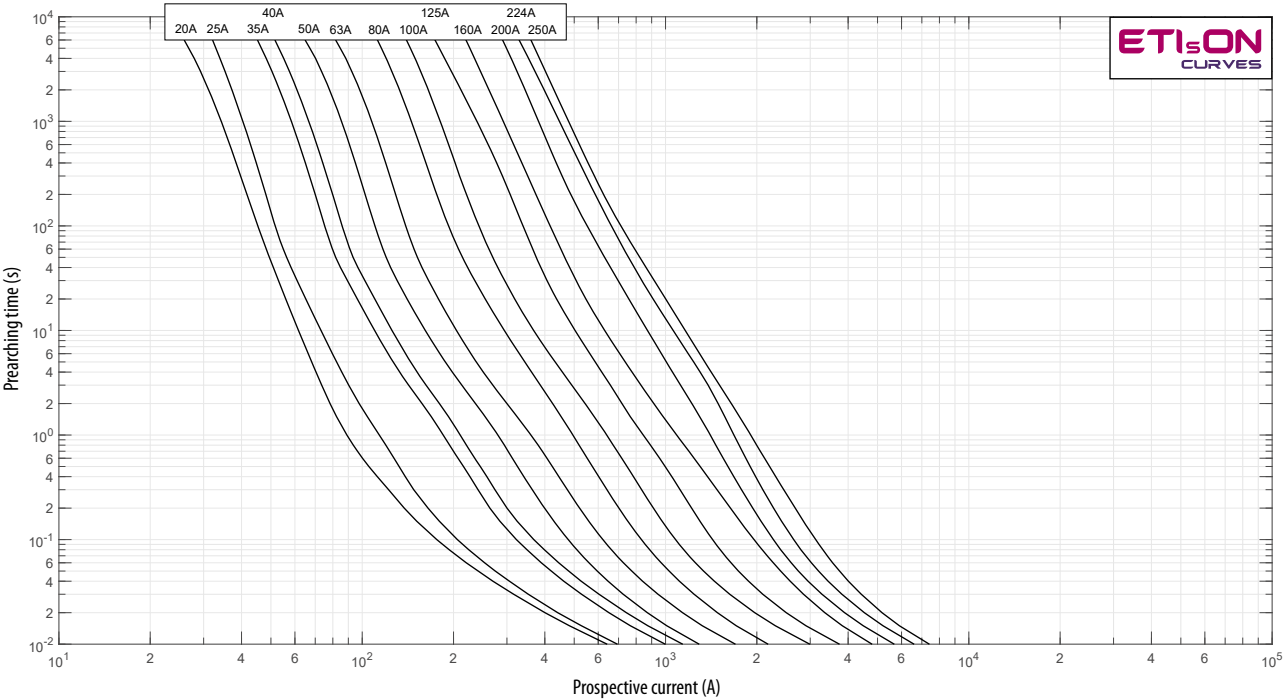
$I/t, gG$



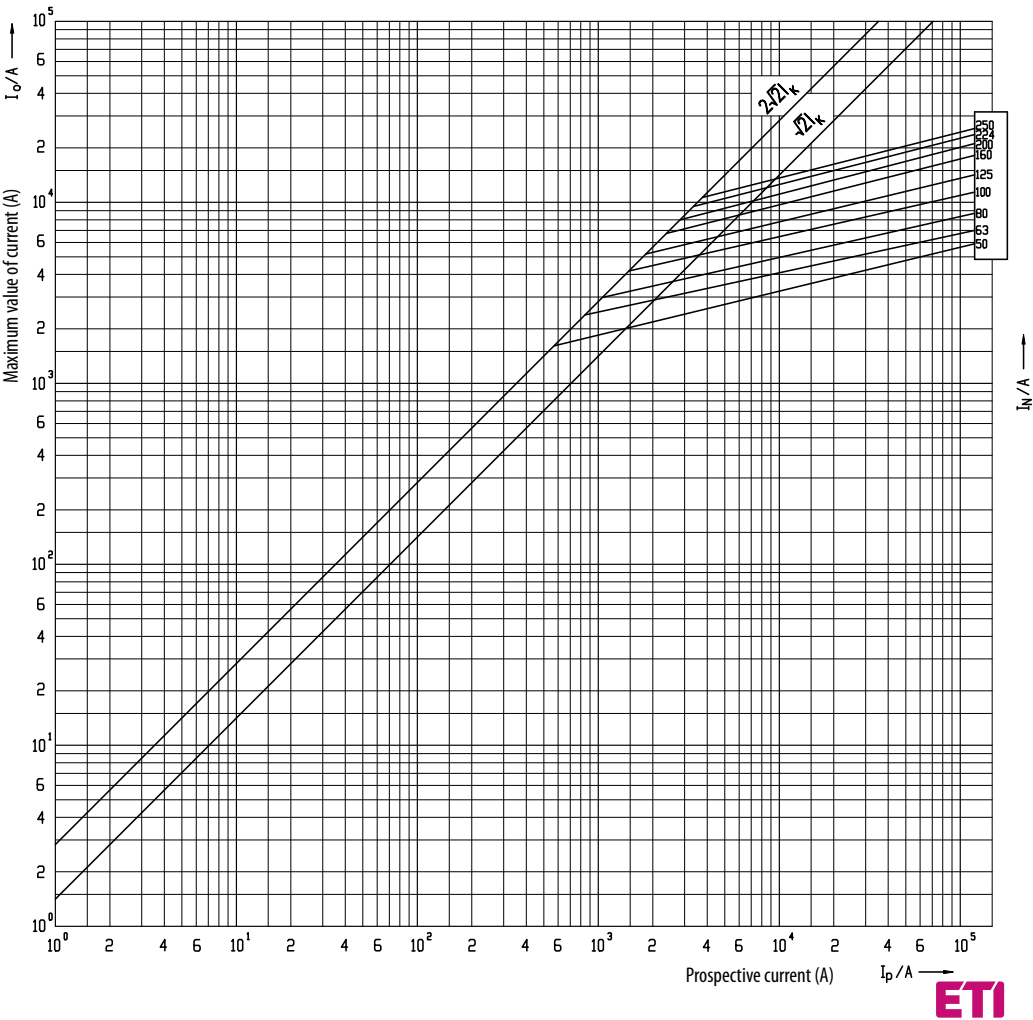
Cut-off current  
characteristics



NH2C 400V  
Time current  
characteristics  
 $I/t, gG$



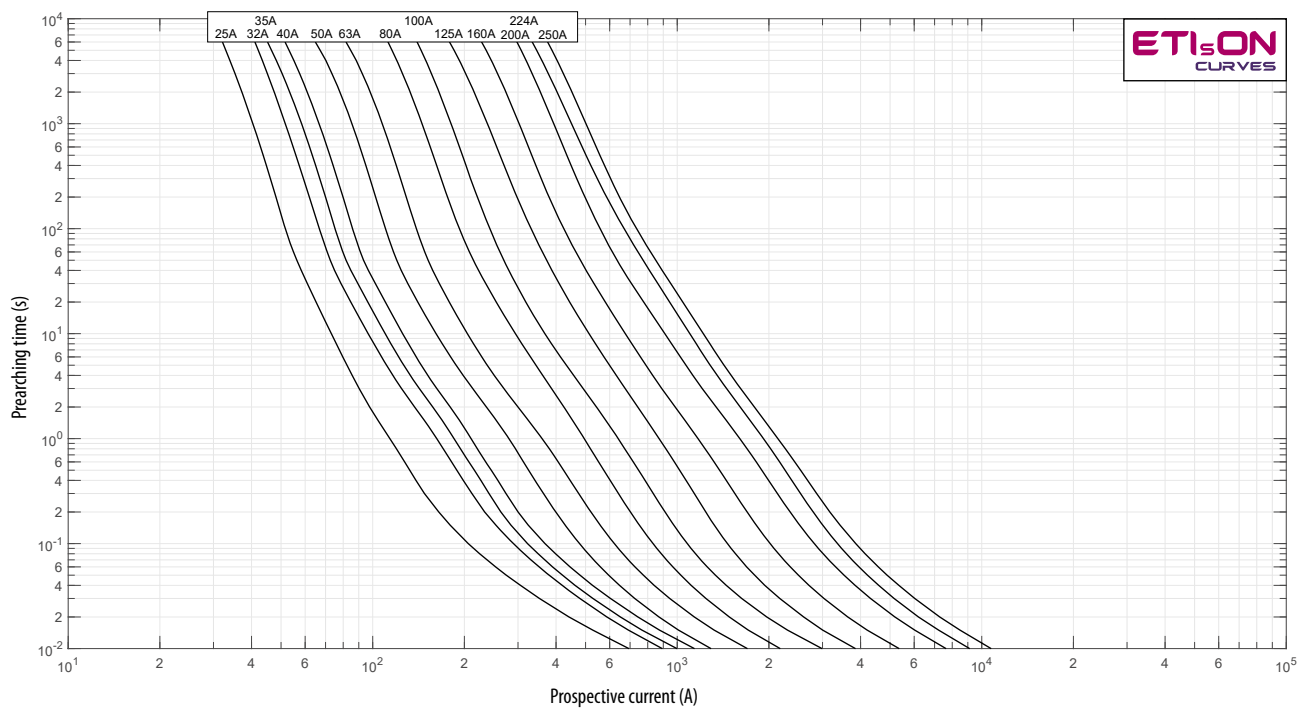
Cut-off current  
characteristics



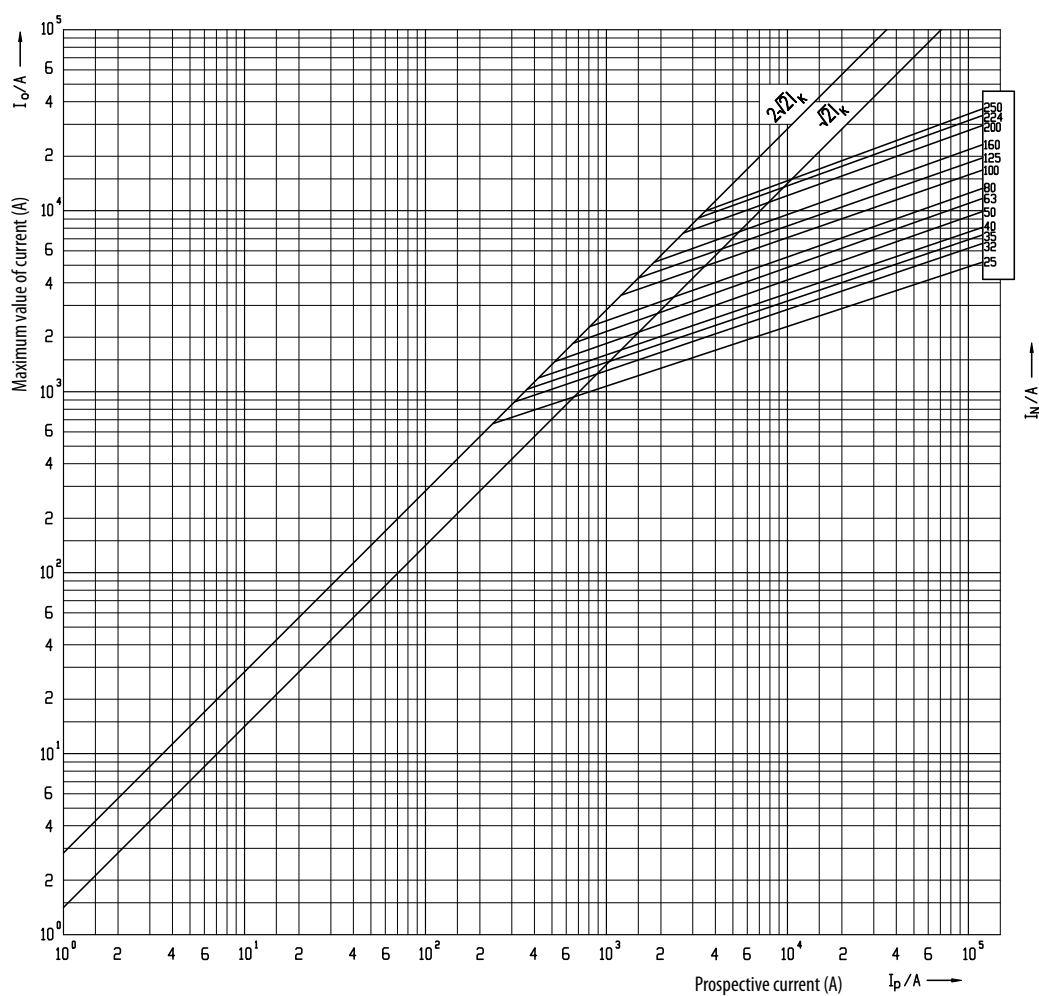
NH2C 500V

Time current  
characteristics

I/t, gG

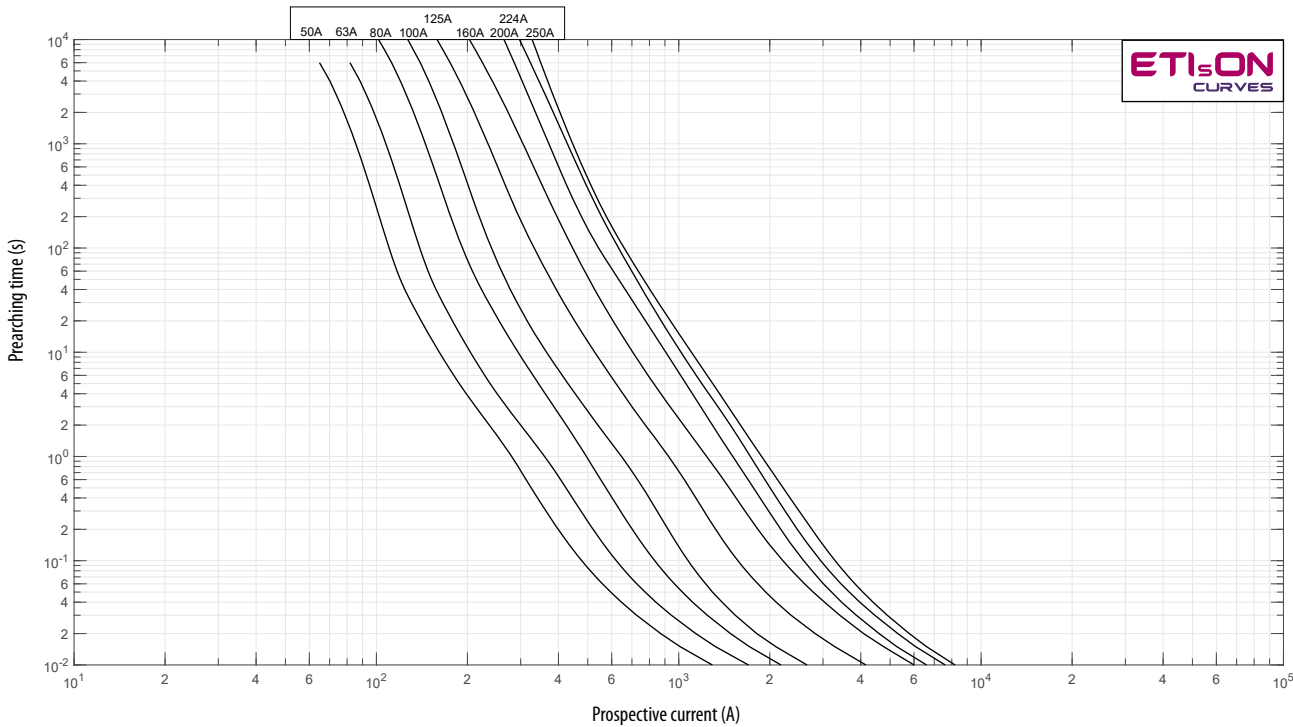


Cut-off current  
characteristics

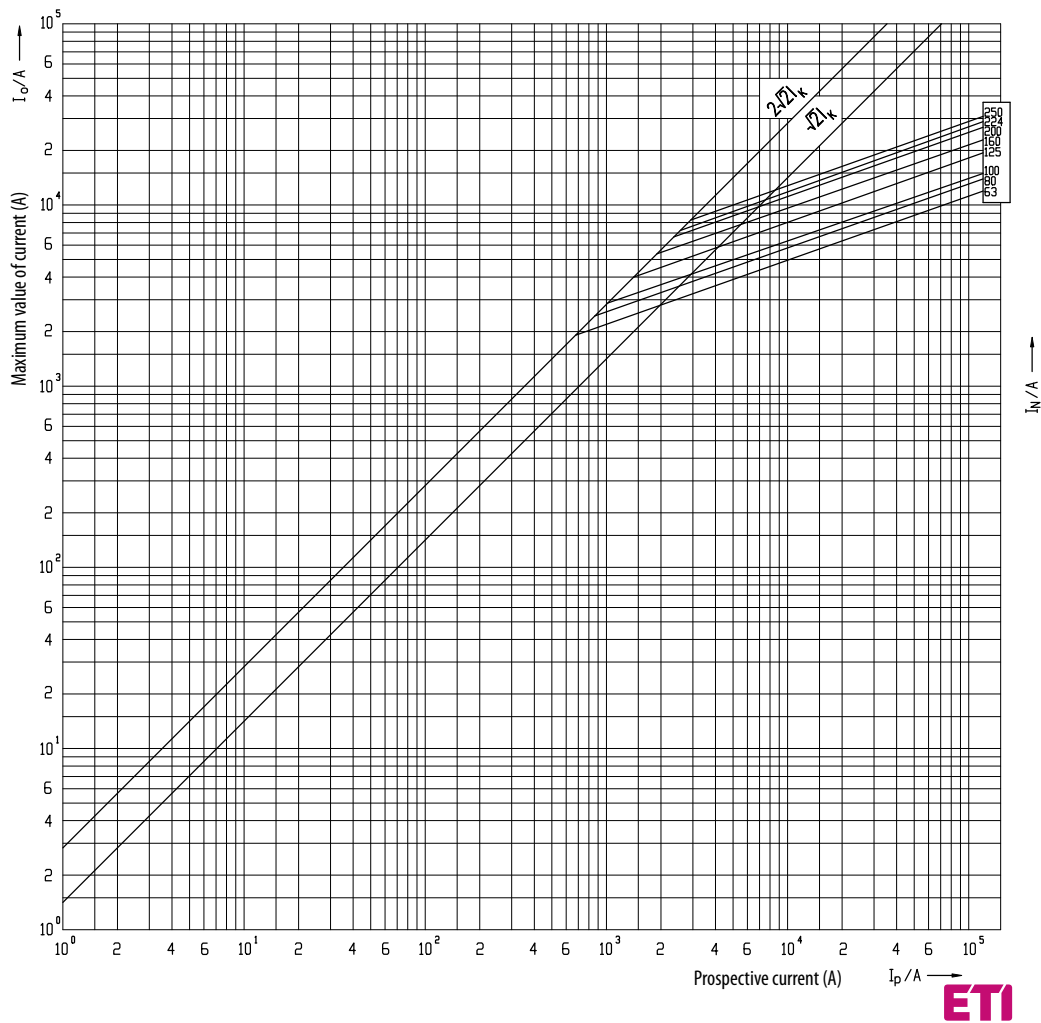


NH2C 690V

Time current  
characteristics  
 $I/t, gG$



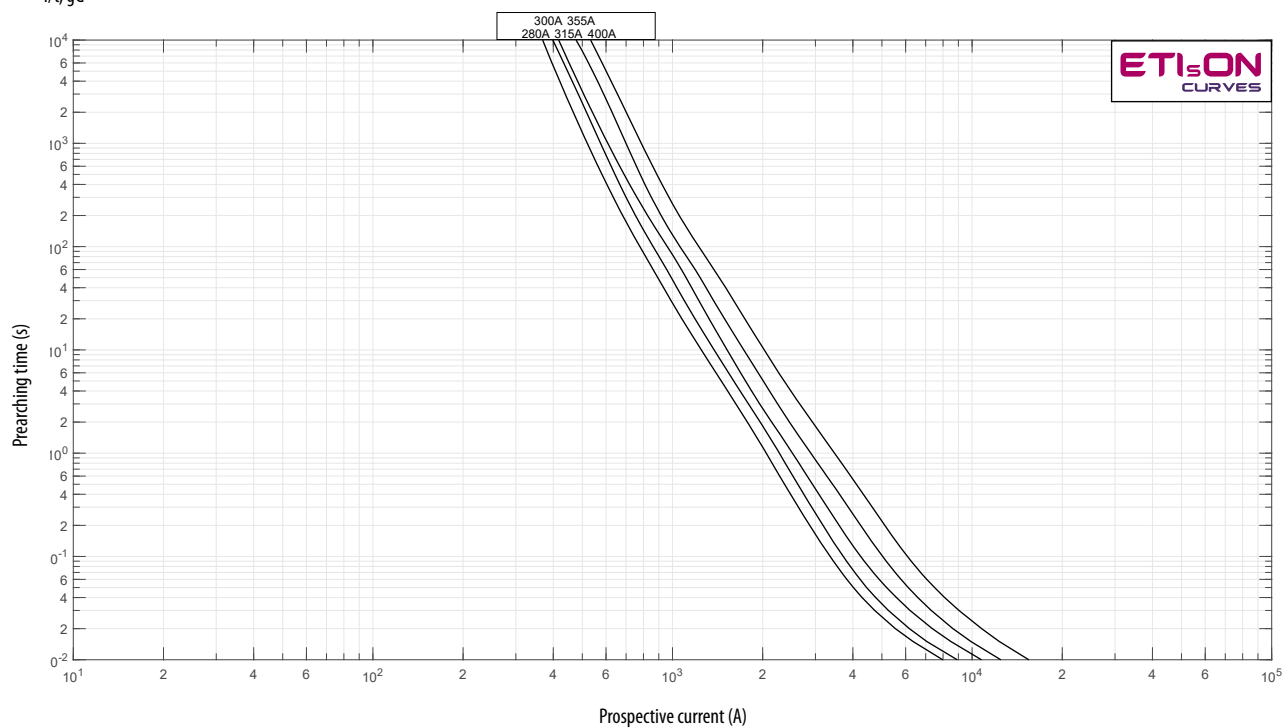
Cut-off current  
characteristics



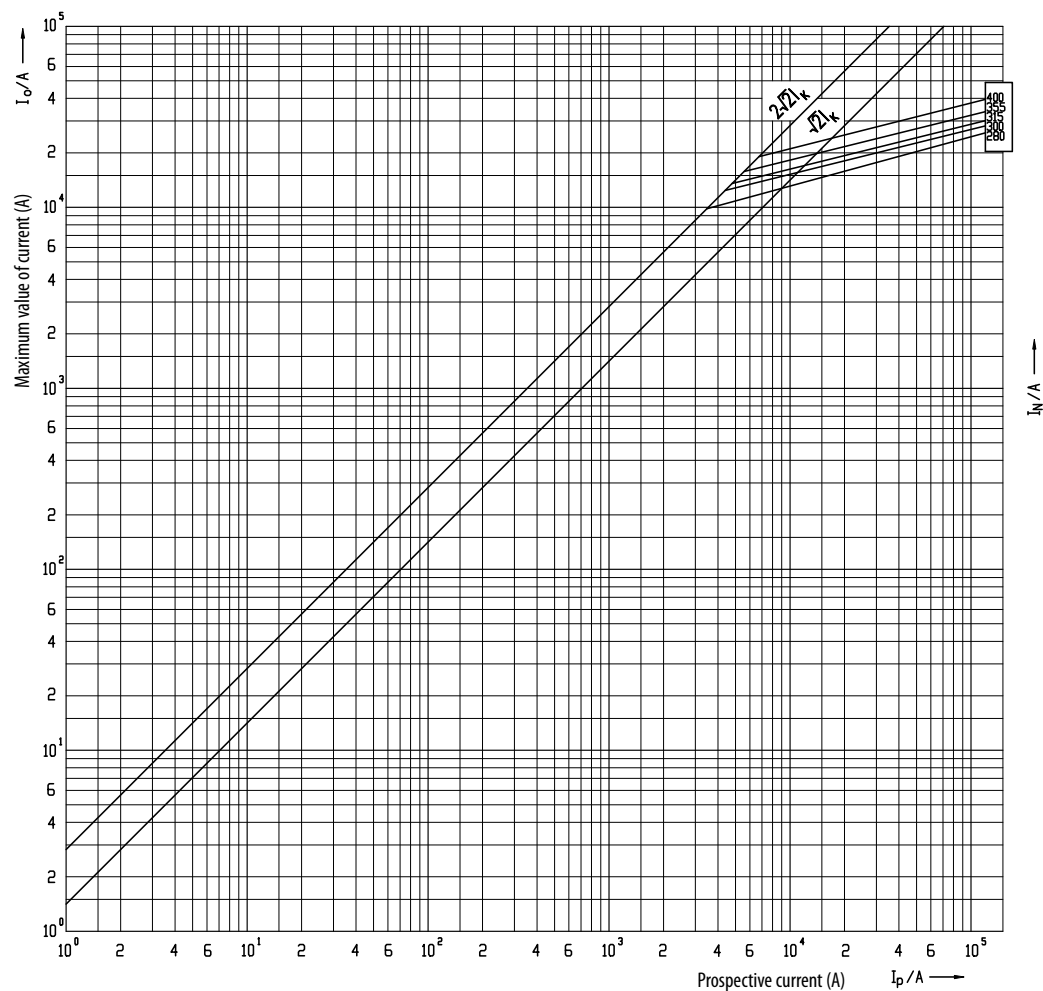
NH2 400V

Time current  
characteristics

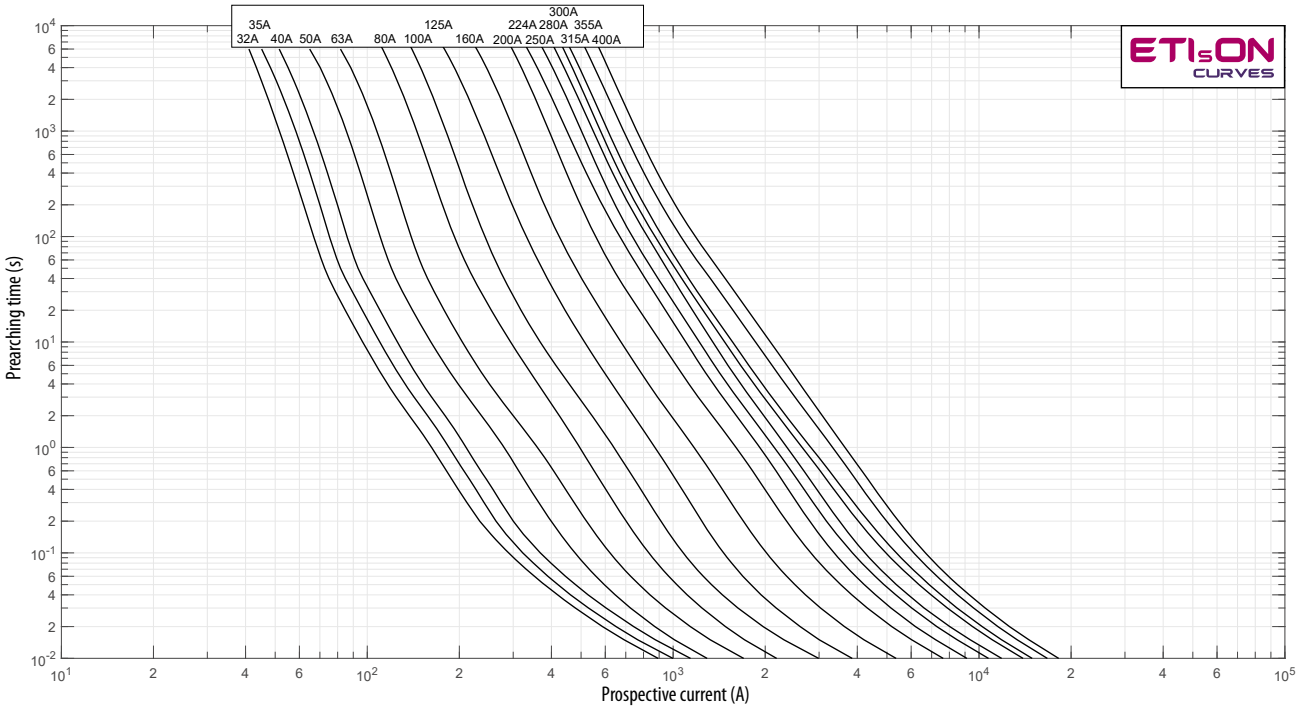
I/t, gG



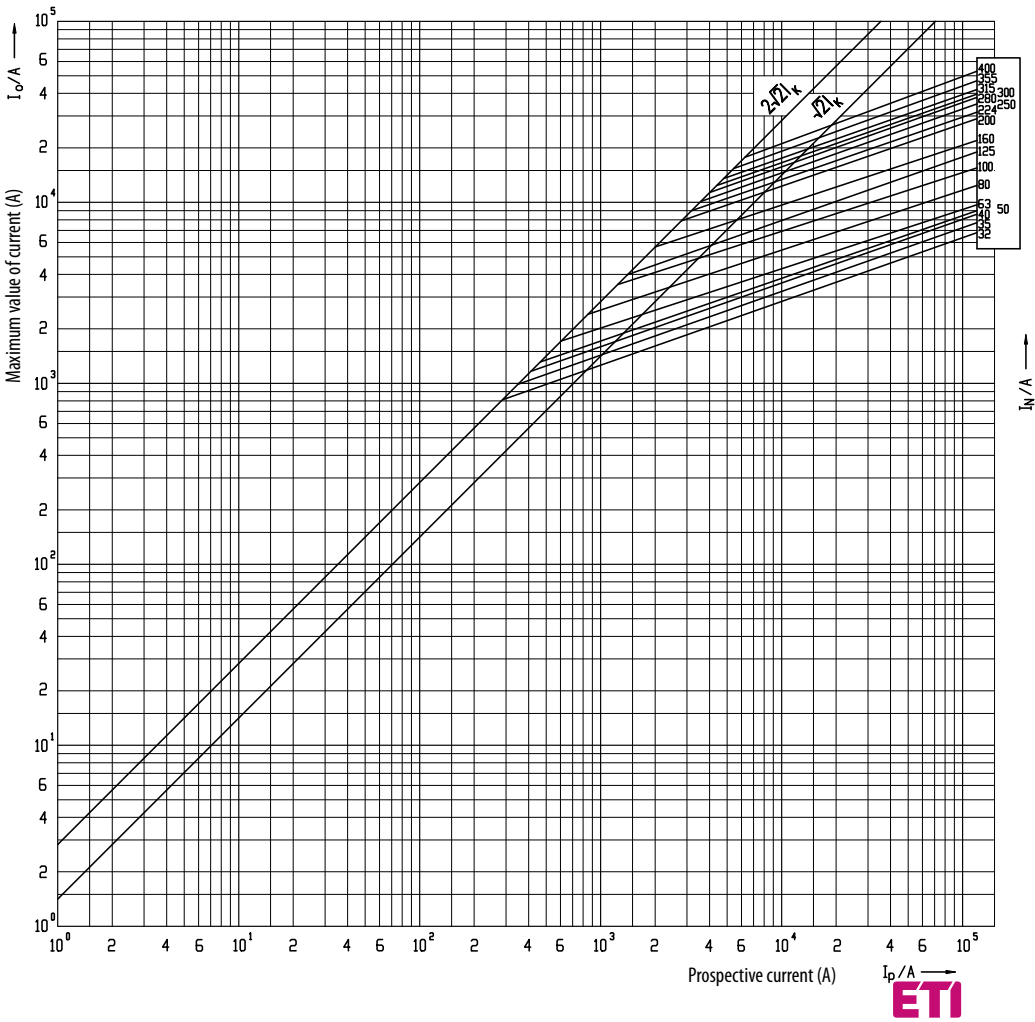
Cut-off current  
characteristics



NH2 500V  
Time current  
characteristics  
 $I/t, gG$



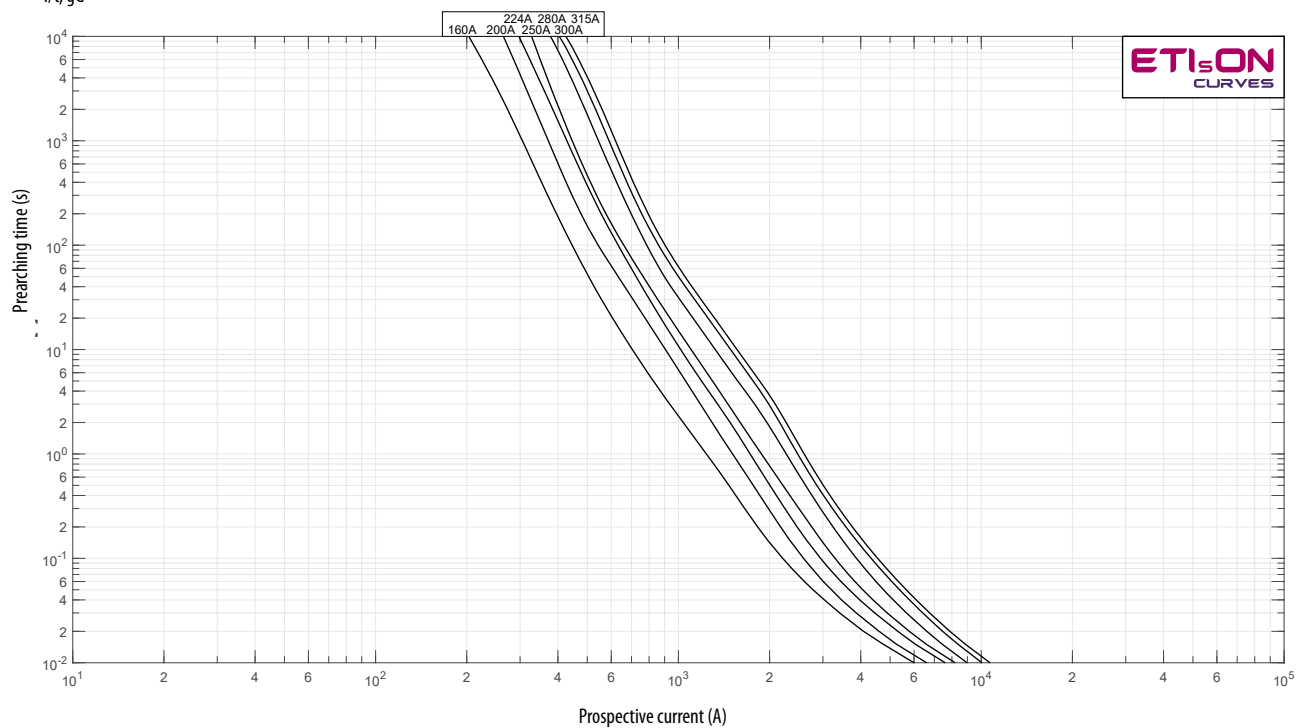
Cut-off current  
characteristics



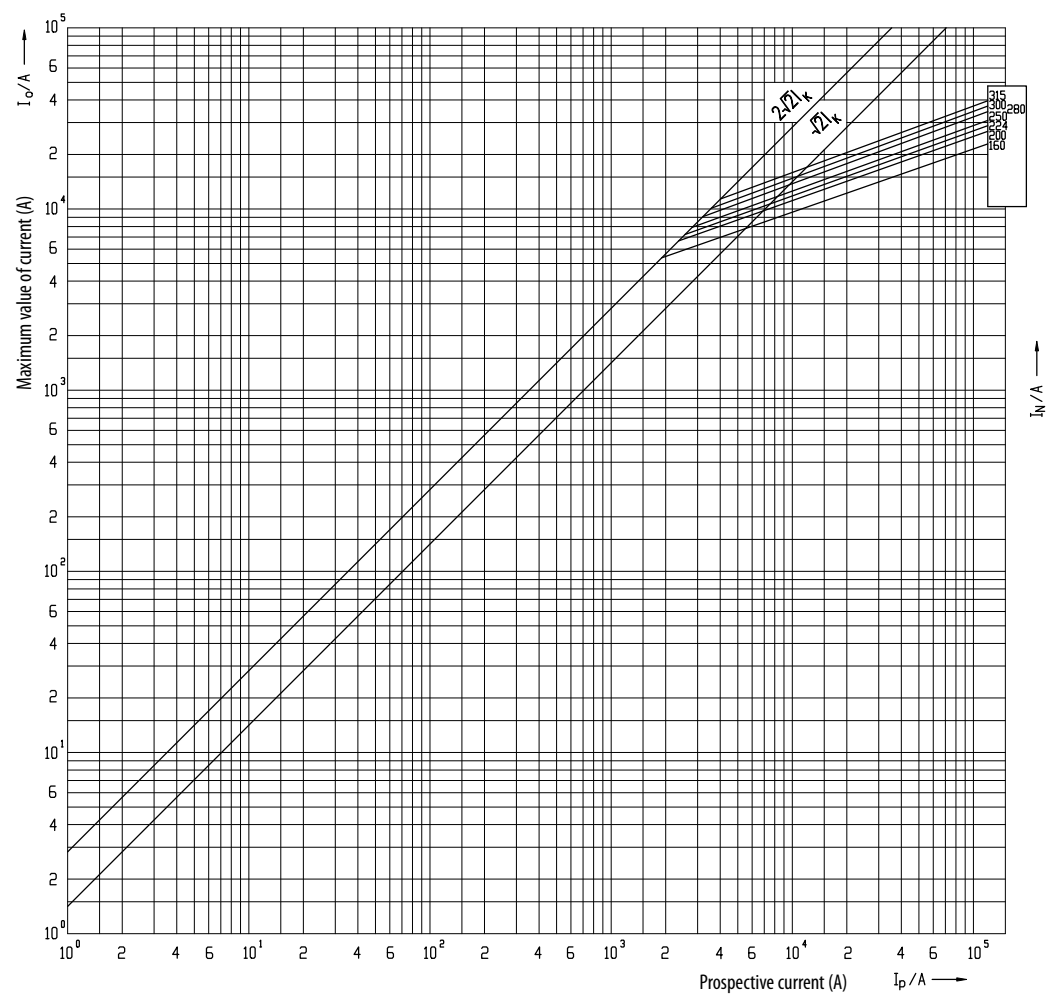
NH2 690V

Time current  
characteristics

$I/t, gG$



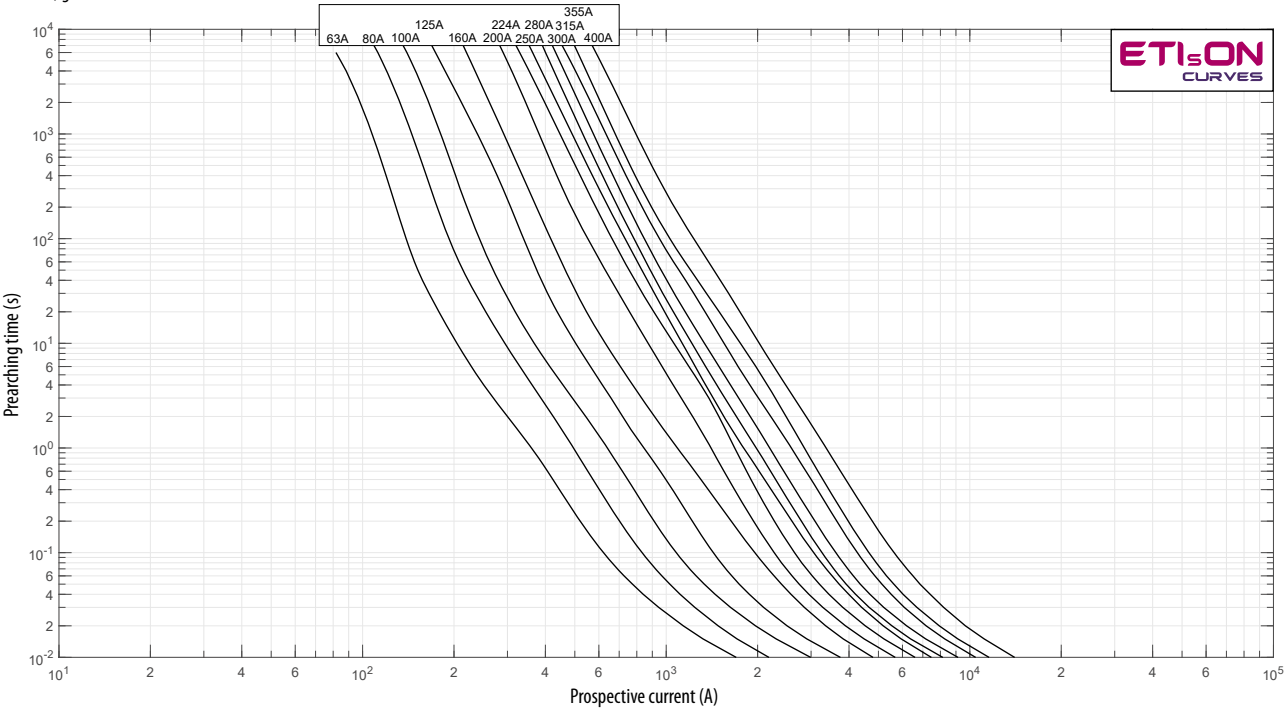
Cut-off current  
characteristics



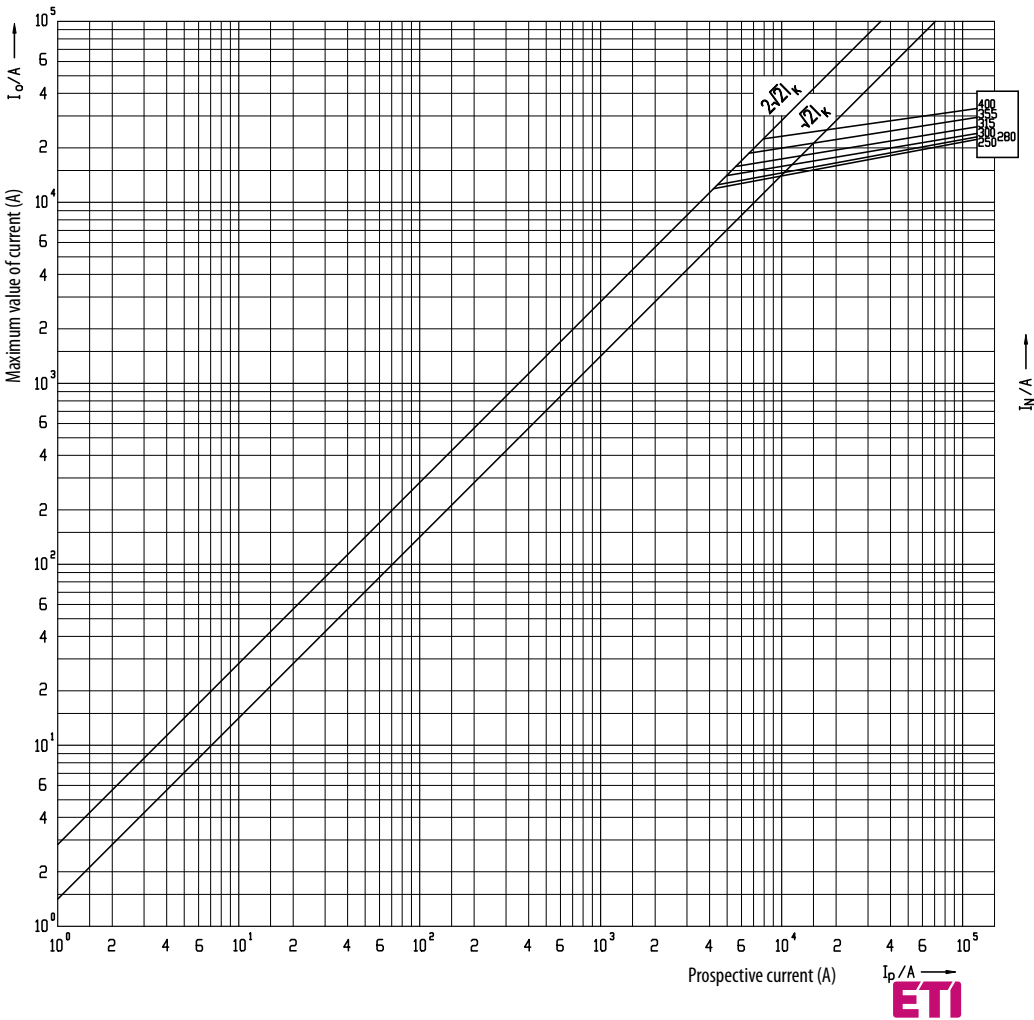
NH3C 400V

Time current  
characteristics

$I/t, gG$

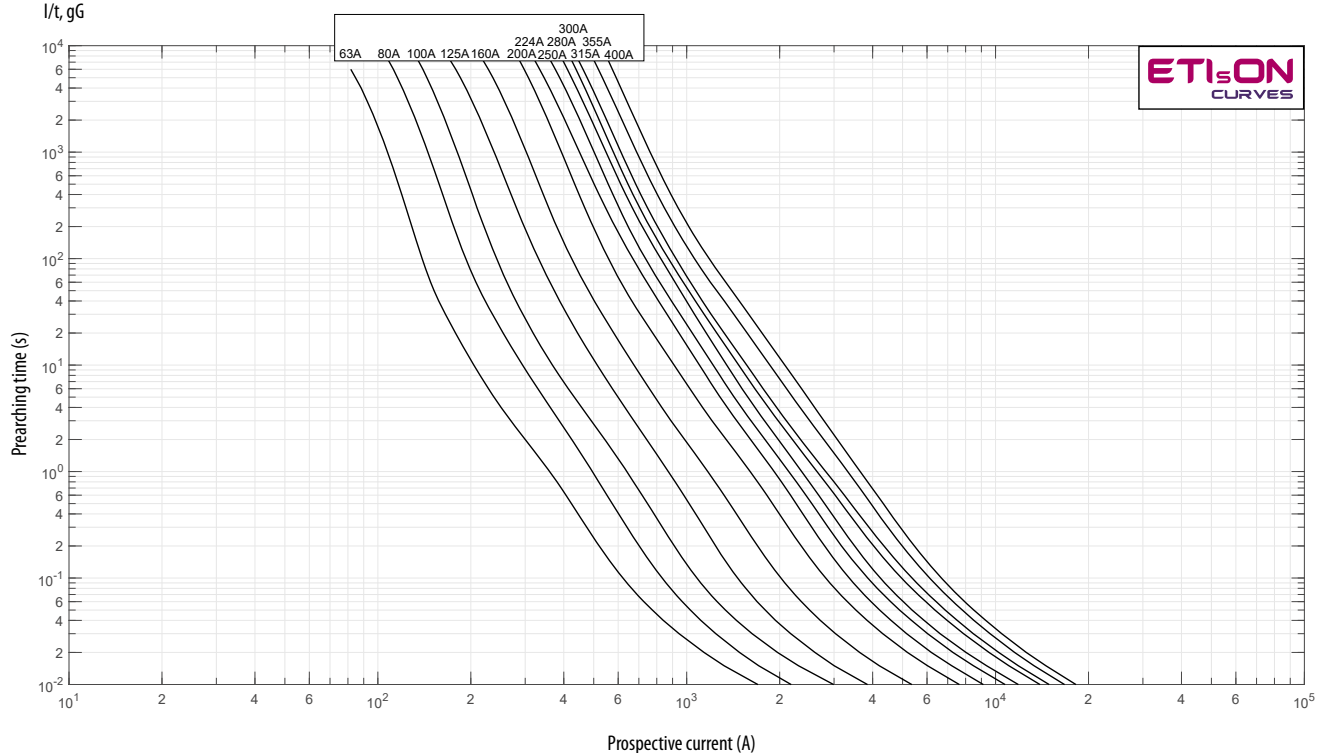


Cut-off current  
characteristics

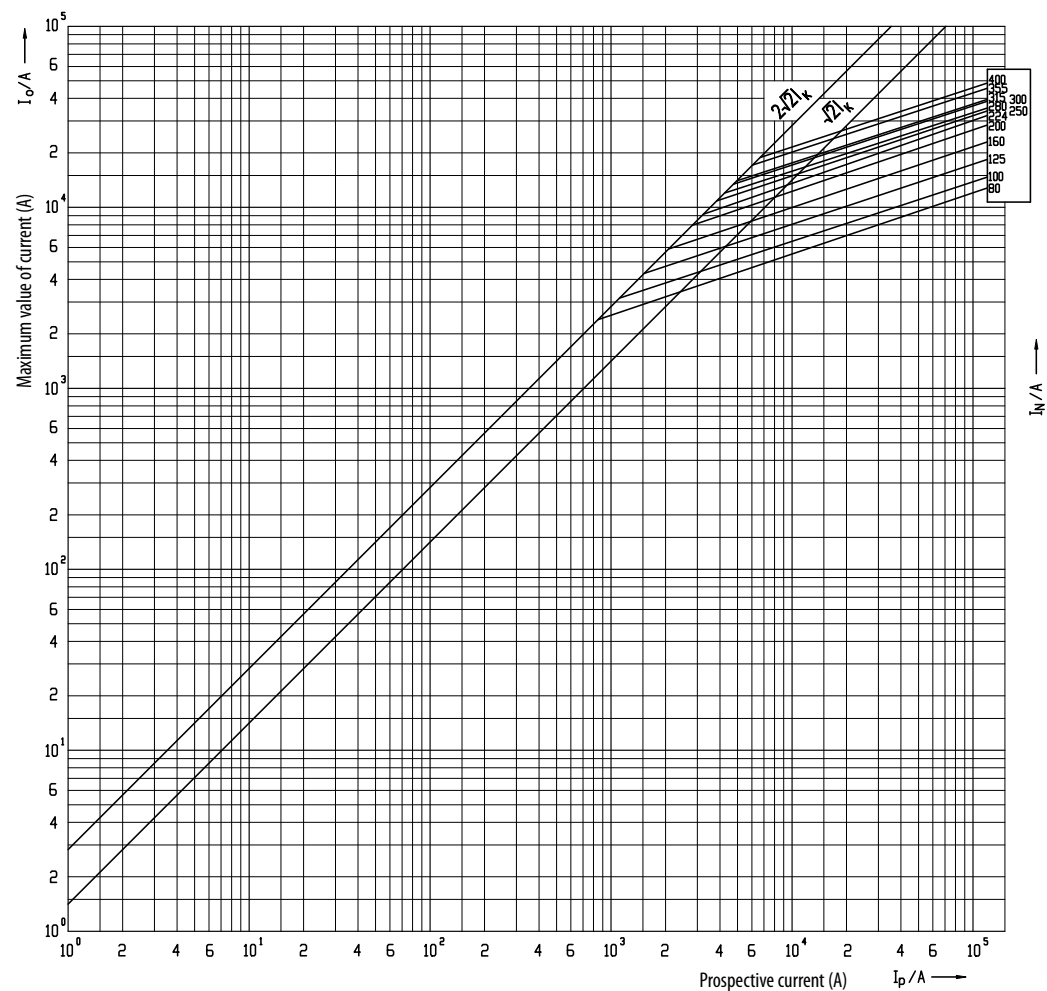


NH3C 500V

Time current characteristics  
I/t, gG

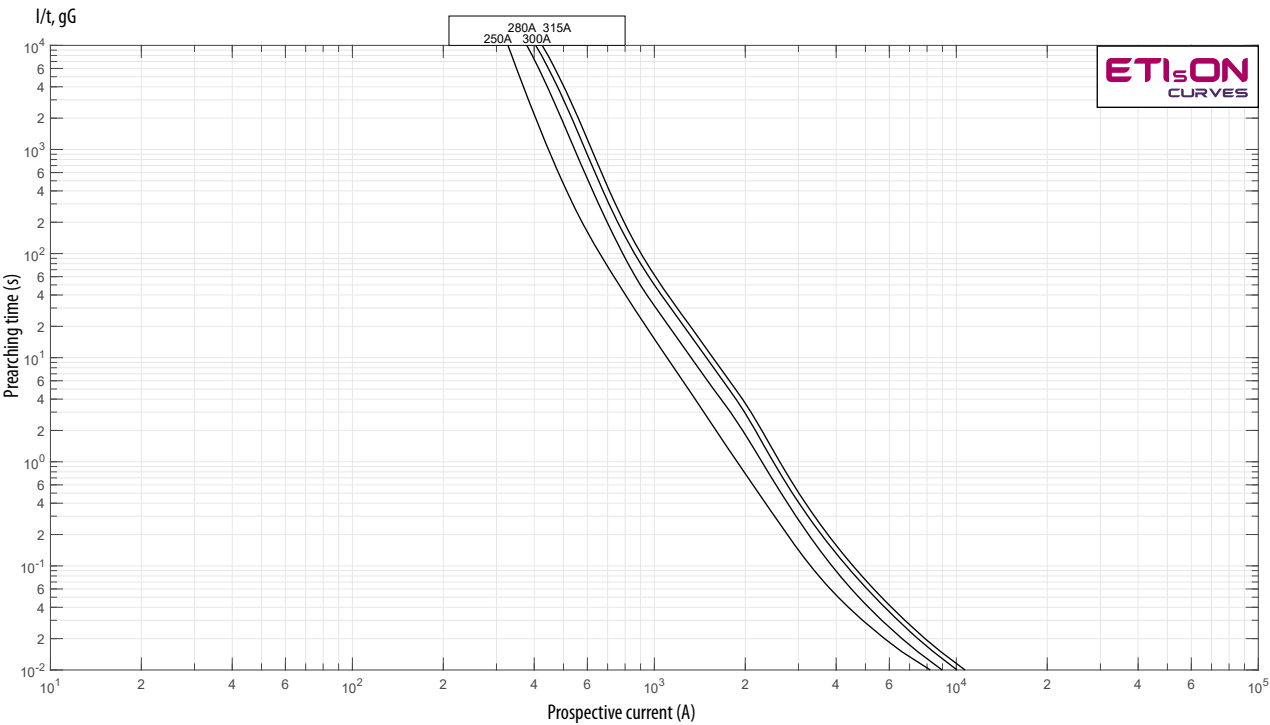


Cut-off current characteristics

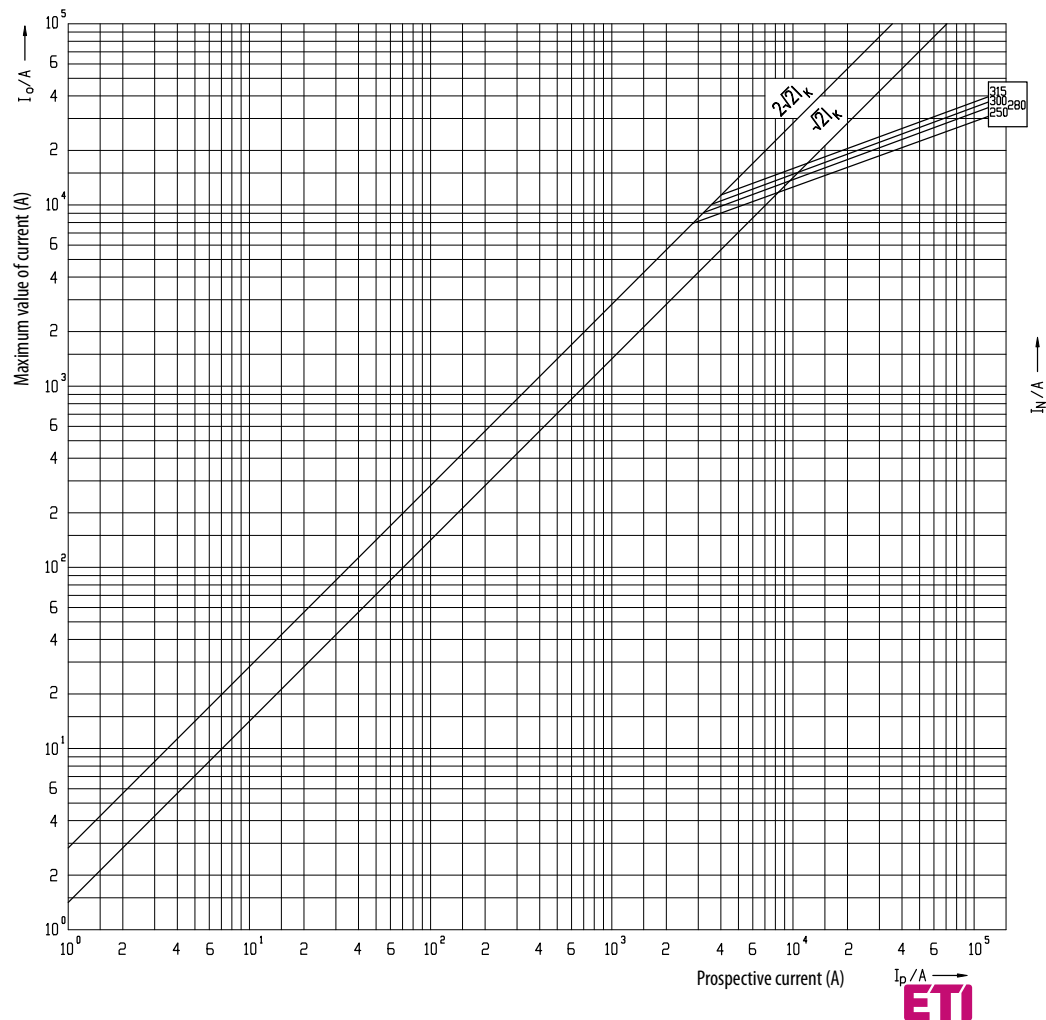


NH3C 690V

Time current characteristics



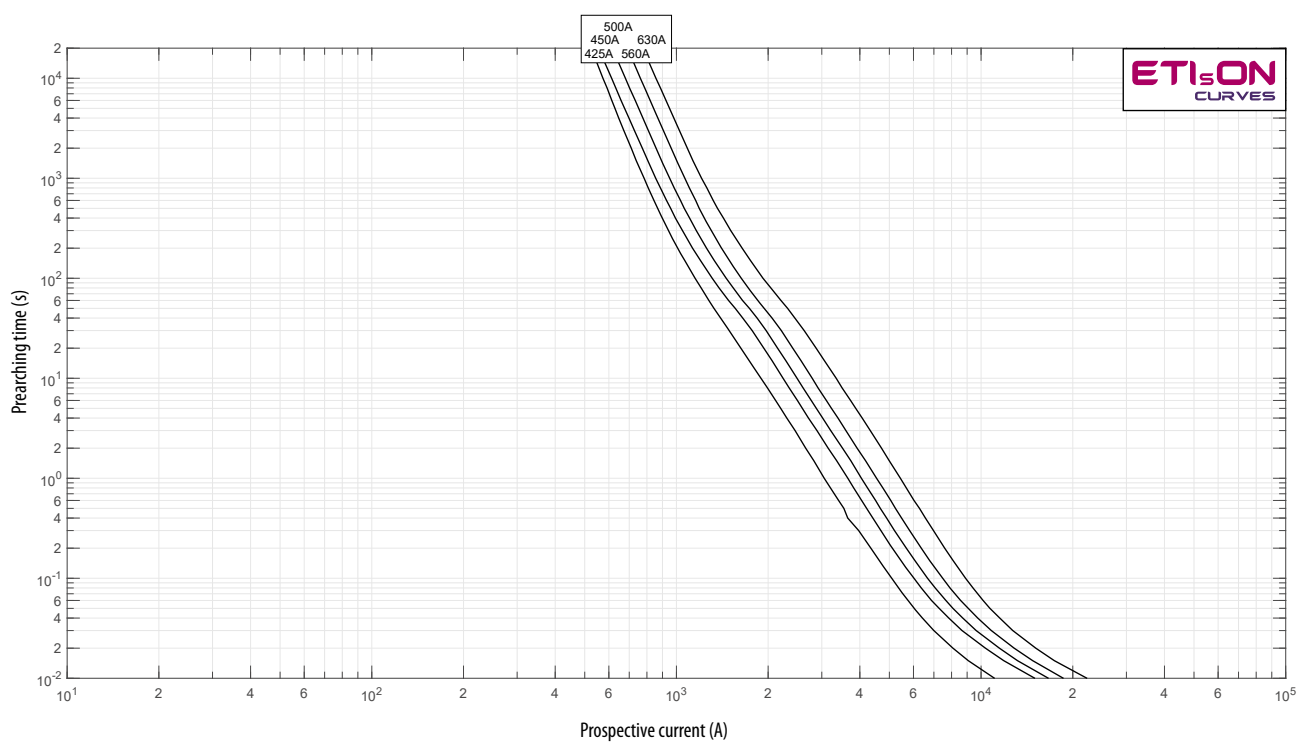
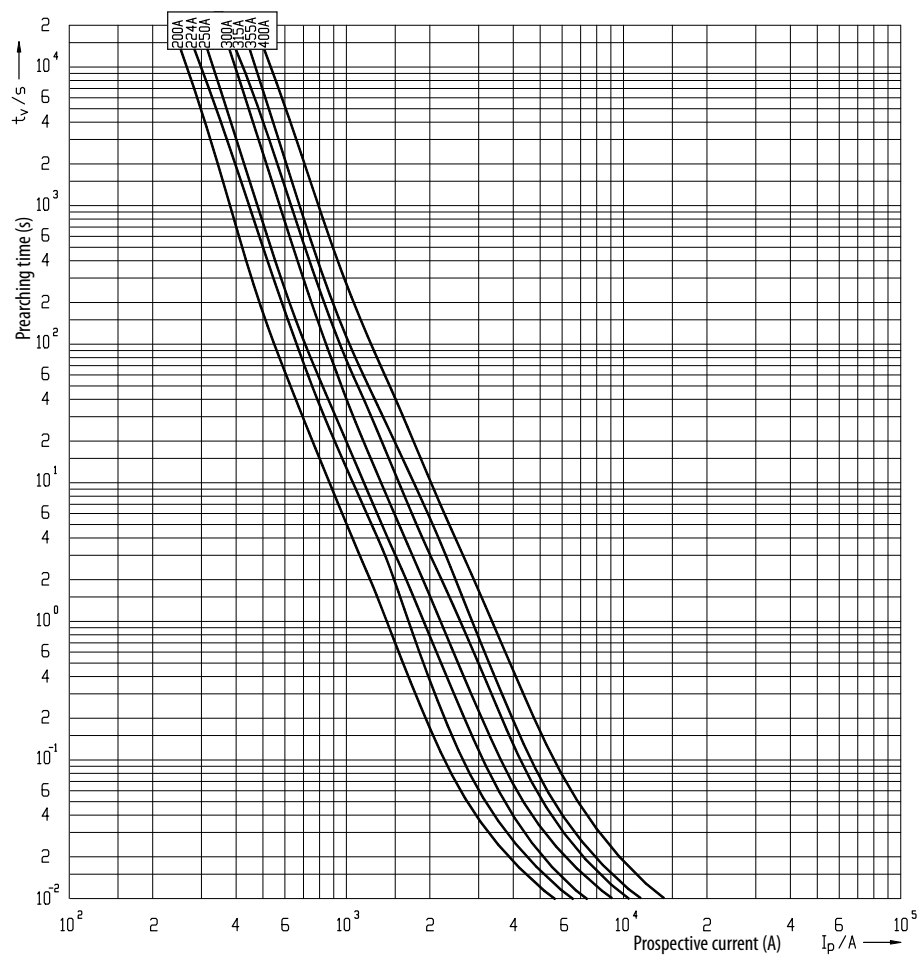
Cut-off current characteristics



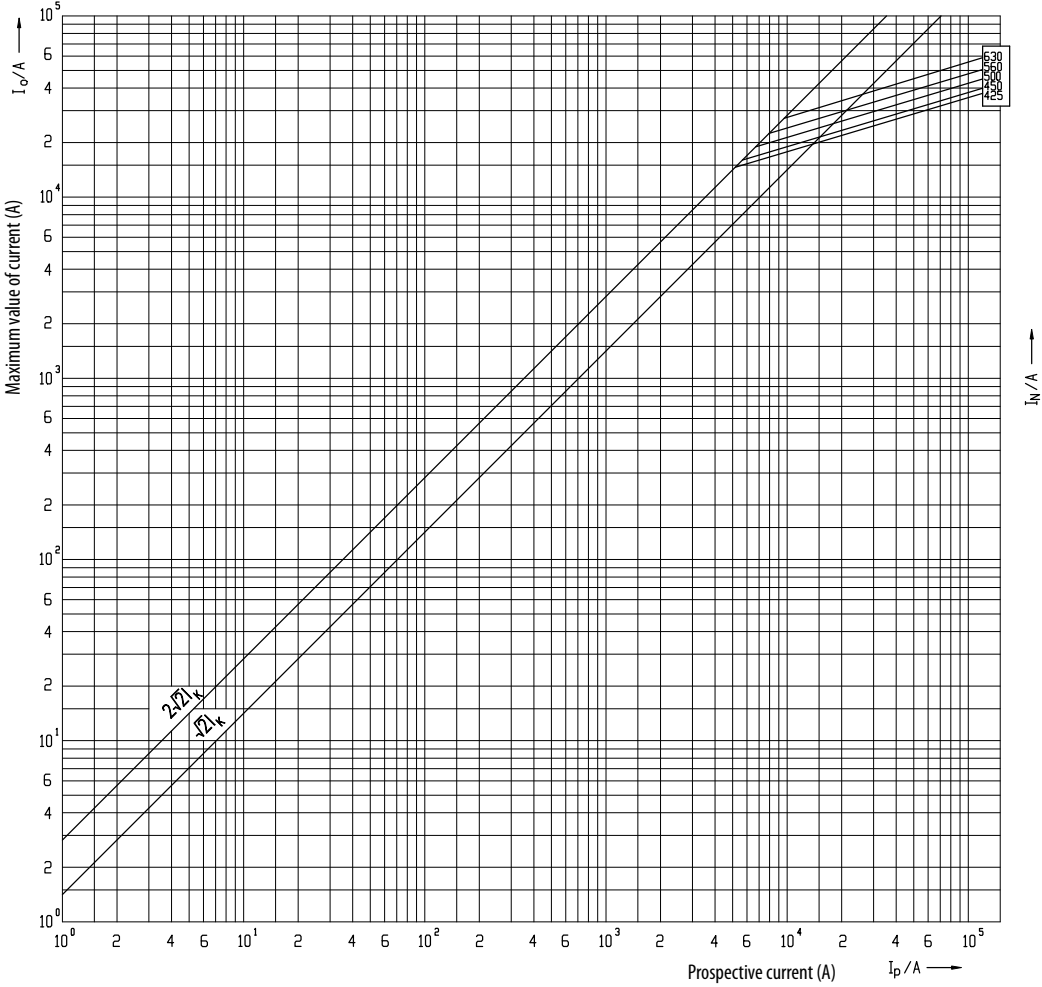
# NV/NH / Low Voltage NH Knife-Blade Fuse-Links

NH3 400V

Time current  
characteristics  
I/t, gG

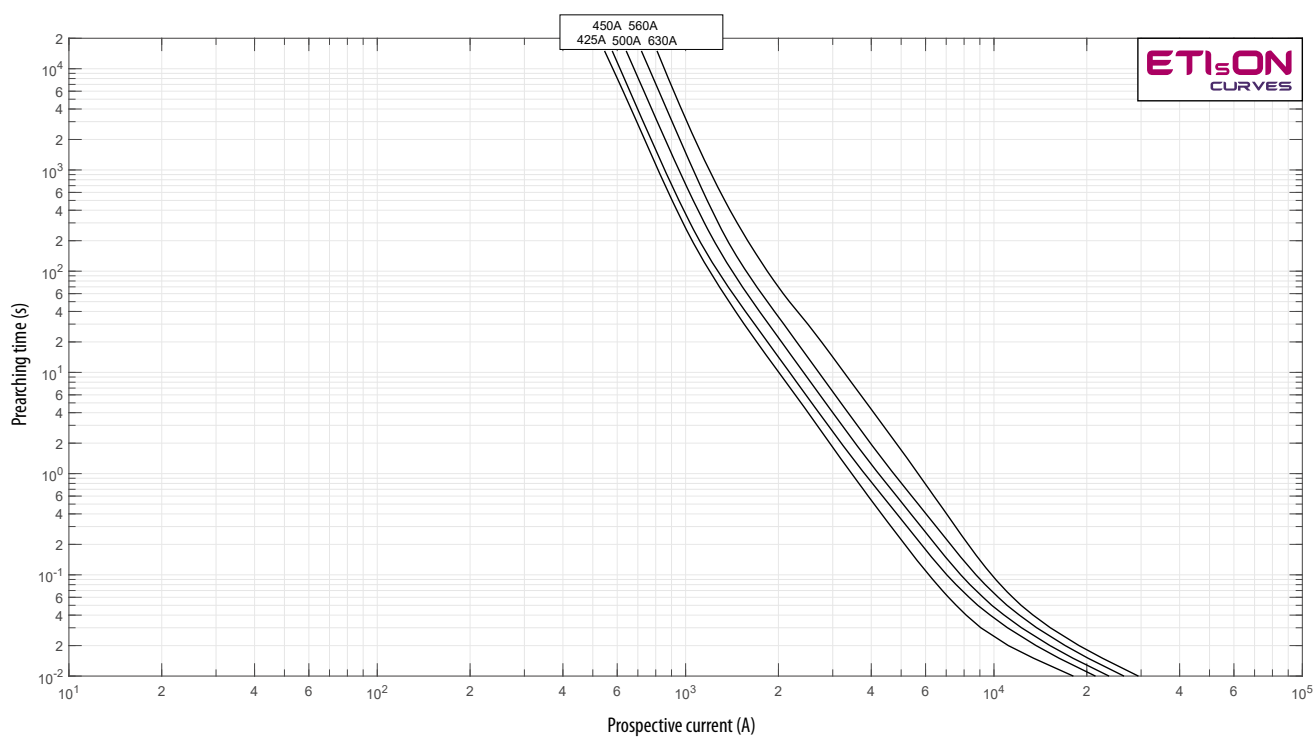
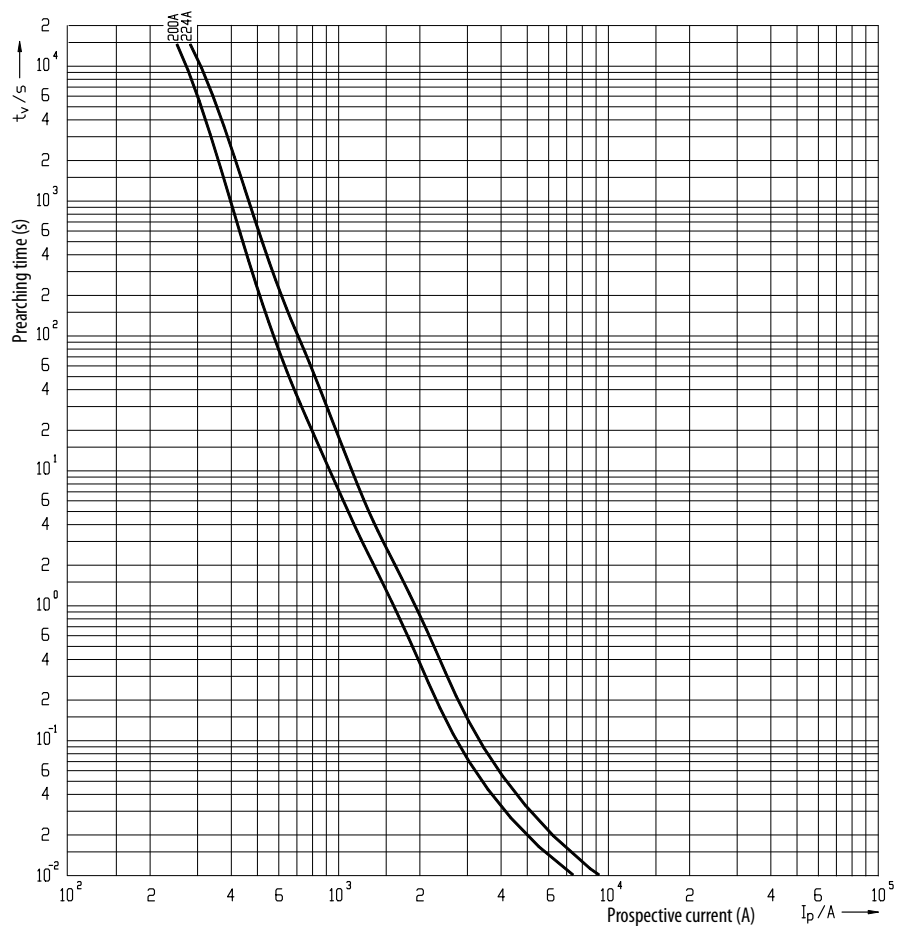


Cut-off current characteristics

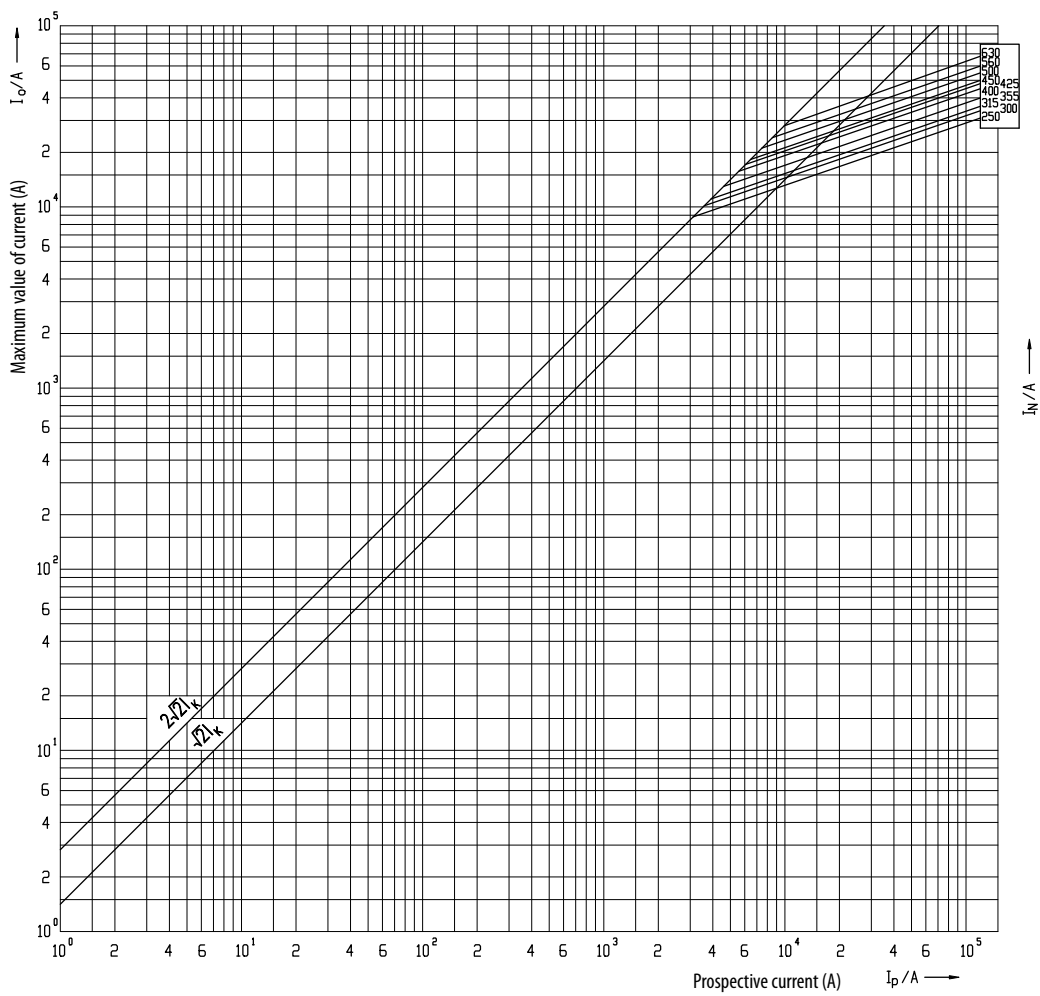


NH3 500V

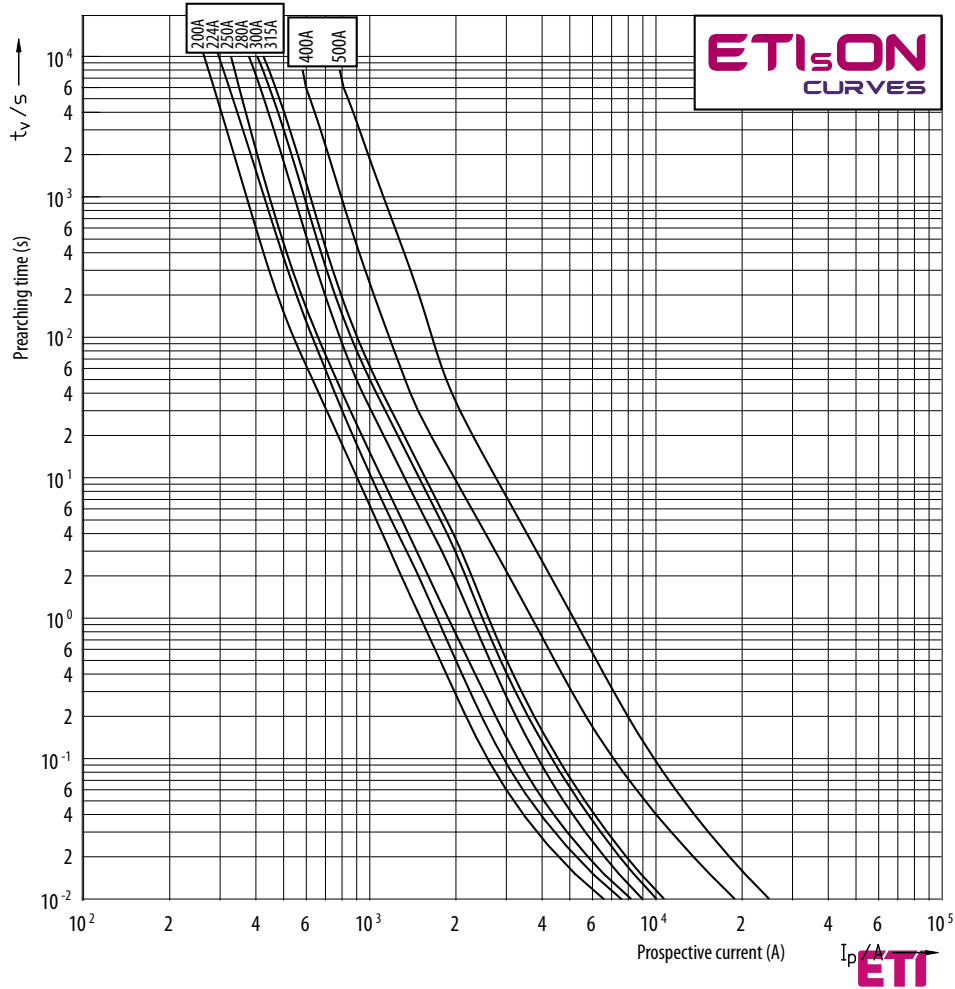
Time current  
characteristics  
I/t, gG



Cut-off current characteristics

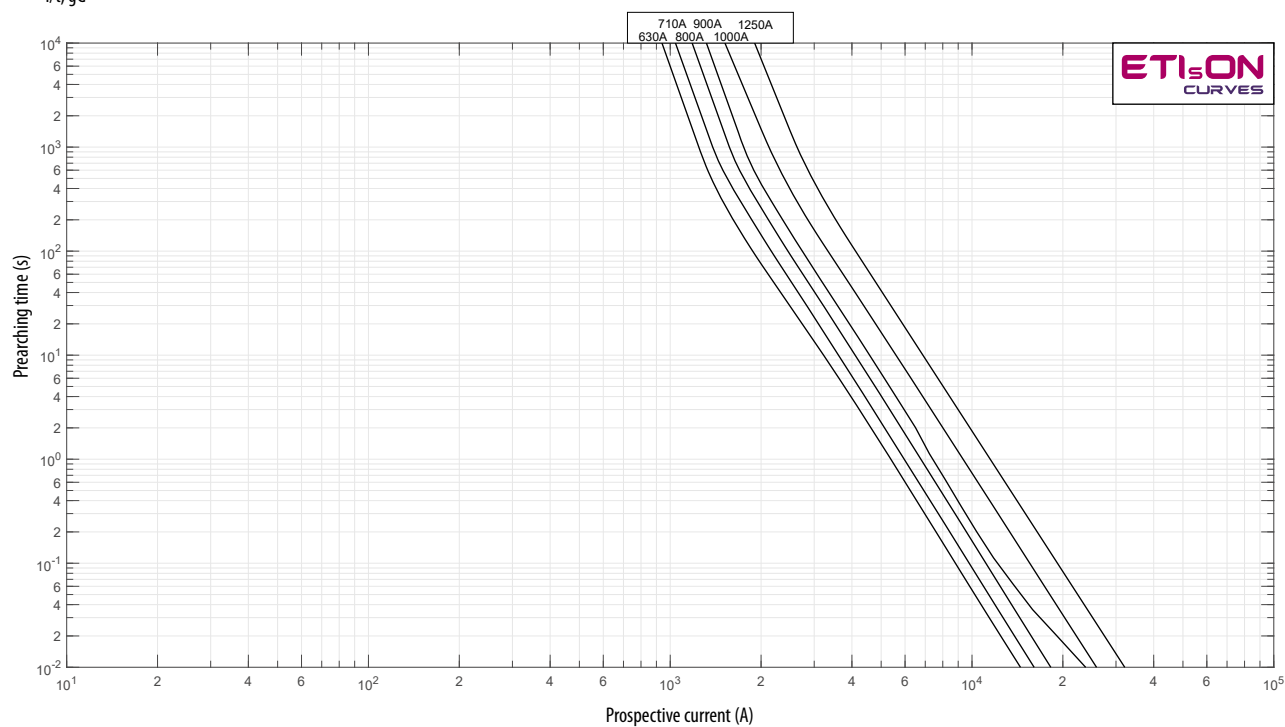


NH3 690V  
Time current characteristics  
 $I/t, gG$



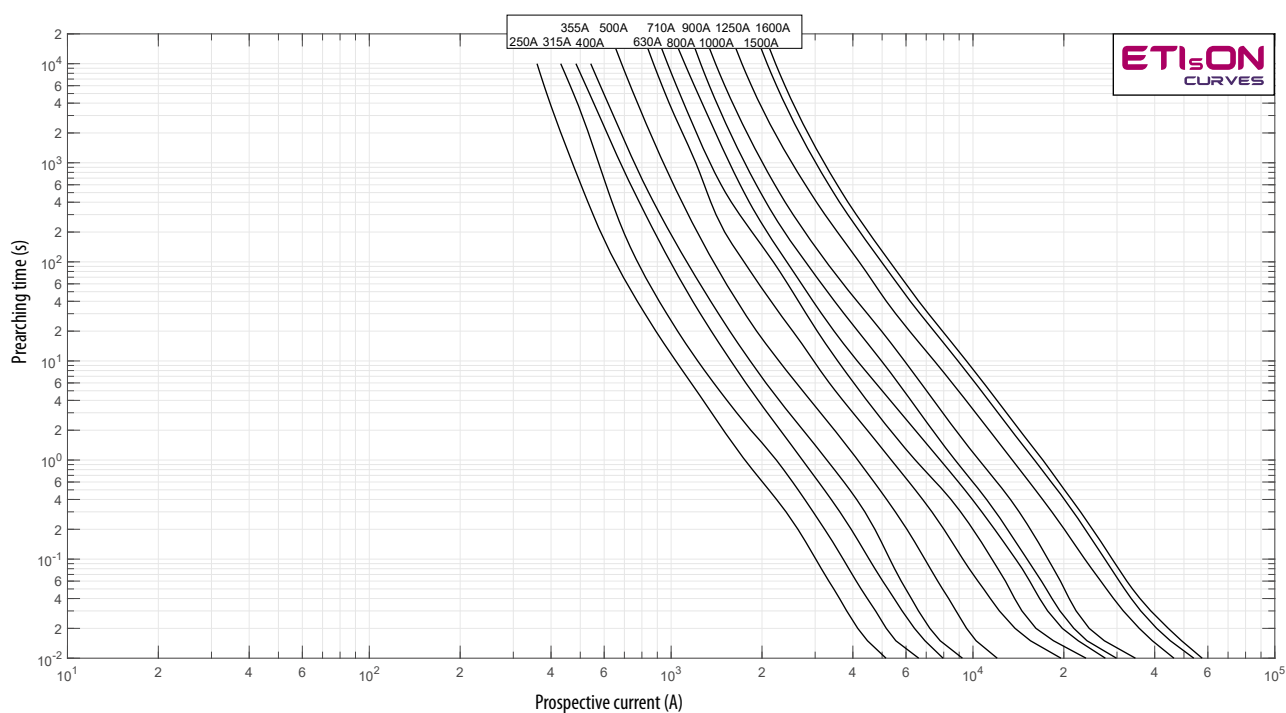
## NH4

Time current  
characteristics  
I/t, gG



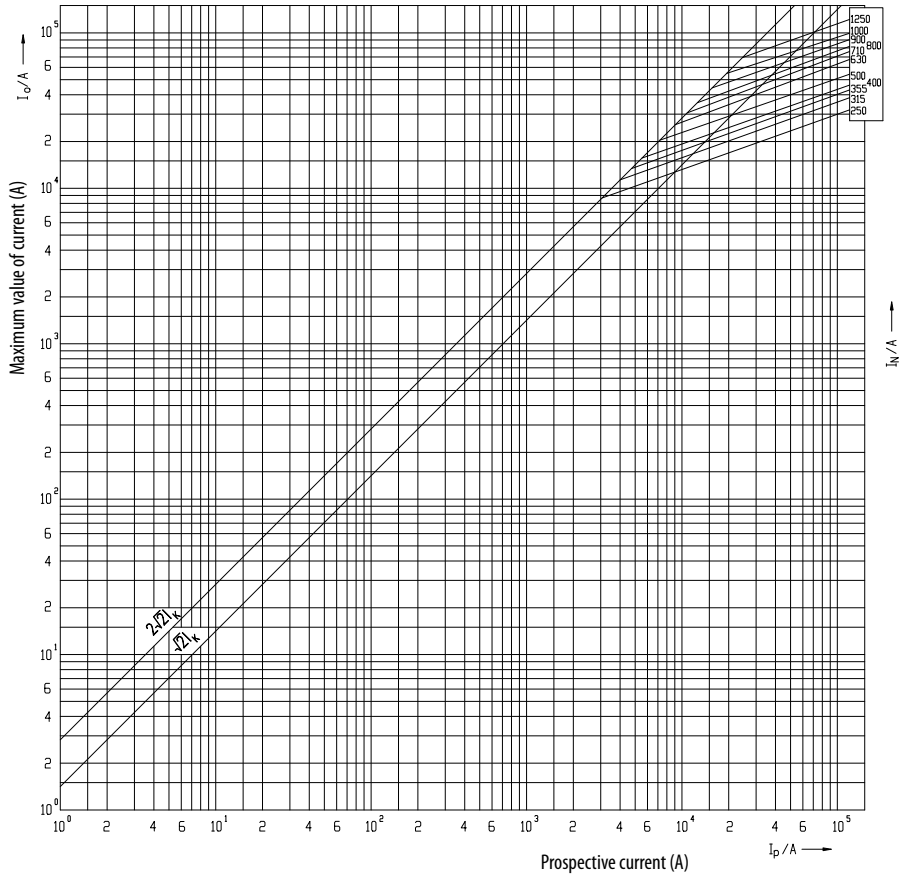
## NH4a

Time current  
characteristics I/t, gG  
(nonstandard rated  
currents)



NH4  
NH4a

Cut-off current  
characteristics



Joule integral I<sup>2</sup>t values and power losses ΔPV of NH knife blade fuses with gG characteristic

**NH000 gG 400V, 500V**

| I <sub>n</sub> | PV  | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|-----|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W   | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 2              | 0,7 | 7,3                     | 12                         | 17                         | 21                         |
| 4              | 0,9 | 38                      | 61                         | 87                         | 107                        |
| 6              | 1,3 | 121                     | 161                        | 199                        | 266                        |
| 10             | 1,3 | 90                      | 208                        | 383                        | 550                        |
| 16             | 2,4 | 220                     | 440                        | 721                        | 970                        |
| 20             | 2,7 | 400                     | 760                        | 1210                       | 1600                       |
| 25             | 2,6 | 1200                    | 2900                       | 5470                       | 8000                       |
| 32             | 3   | 1760                    | 3850                       | 6838                       | 9600                       |
| 35             | 3,3 | 2500                    | 5580                       | 10033                      | 14200                      |
| 40             | 3,4 | 3300                    | 6840                       | 11670                      | 16000                      |
| 50             | 4,9 | 8200                    | 15400                      | 24370                      | 32000                      |
| 63             | 5,8 | 11100                   | 22250                      | 37000                      | 50000                      |
| 80             | 5,1 | 14500                   | 31900                      | 56850                      | 80000                      |
| 100            | 6,6 | 25000                   | 55580                      | 99700                      | 141000                     |
| 125            | 8,8 | 30000                   | 66100                      | 117900                     | 166000                     |
| 160            | 9,8 | 65800                   | -                          | -                          | 170600                     |

**NH00 gG 400V, 500V**

| I <sub>n</sub> | PV   | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|------|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W    | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 6              | 1,9  | 70                      | 116                        | 169                        | 210                        |
| 10             | 1,3  | 100                     | 192                        | 310                        | 410                        |
| 16             | 2,4  | 250                     | 425                        | 630                        | 790                        |
| 20             | 2,6  | 580                     | 900                        | 1240                       | 1500                       |
| 25             | 2,7  | 1000                    | 1660                       | 2400                       | 3200                       |
| 32             | 3,4  | 1340                    | 2530                       | 4030                       | 5300                       |
| 35             | 3,1  | 2300                    | 3770                       | 5410                       | 6700                       |
| 40             | 3,8  | 3200                    | 4700                       | 6200                       | 7350                       |
| 50             | 5    | 5000                    | 8200                       | 11800                      | 14600                      |
| 63             | 6    | 6600                    | 13200                      | 21900                      | 32500                      |
| 80             | 5,6  | 11200                   | 21700                      | 35160                      | 46800                      |
| 100            | 6,8  | 26400                   | 44630                      | 65560                      | 82300                      |
| 125            | 9    | 46100                   | 76160                      | 110000                     | 136700                     |
| 160            | 11,2 | 73600                   | 135290                     | 211300                     | 275000                     |

**NH1C gG 400V, 500V**

| I <sub>n</sub> | PV   | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|------|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W    | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 6              | 2,2  | 67                      | 93                         | 118                        | 136                        |
| 10             | 1,6  | 200                     | 400                        | 660                        | 890                        |
| 16             | 2,9  | 550                     | 930                        | 1360                       | 1700                       |
| 20             | 3,1  | 980                     | 1600                       | 2270                       | 2800                       |
| 25             | 3,3  | 1210                    | 1980                       | 2830                       | 3500                       |
| 32             | 3,8  | 1600                    | 2930                       | 4900                       | 6500                       |
| 35             | 3,6  | 2300                    | 4350                       | 6900                       | 9100                       |
| 40             | 4,1  | 2900                    | 6100                       | 10500                      | 14500                      |
| 50             | 5,3  | 4100                    | 7930                       | 13400                      | 18000                      |
| 63             | 6,5  | 4600                    | 10600                      | 21700                      | 32000                      |
| 80             | 6,3  | 14350                   | 22030                      | 40000                      | 51700                      |
| 100            | 7,3  | 23900                   | 39200                      | 63500                      | 81000                      |
| 125            | 9,7  | 39600                   | 74500                      | 130000                     | 175000                     |
| 160            | 12,9 | 72900                   | 136410                     | 223050                     | 295000                     |

**NH1 gG 400V, 500V**

| I <sub>n</sub> | PV   | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|------|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W    | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 6              | 2,5  | 20                      | 53                         | 107                        | 162                        |
| 10             | 1,5  | 140                     | 282                        | 420                        | 640                        |
| 16             | 2,8  | 500                     | 920                        | 1430                       | 1850                       |
| 20             | 2,4  | 760                     | 1620                       | 2810                       | 3900                       |
| 25             | 3,1  | 760                     | 1960                       | 3900                       | 5900                       |
| 32             | 3,6  | 800                     | 2140                       | 4380                       | 6700                       |
| 35             | 3,2  | 1300                    | 3260                       | 6400                       | 9500                       |
| 40             | 3,9  | 2020                    | 6212                       | 14140                      | 23000                      |
| 50             | 4,5  | 3000                    | 7990                       | 16360                      | 25000                      |
| 63             | 5,4  | 4500                    | 14060                      | 32400                      | 53000                      |
| 80             | 6,5  | 8000                    | 24000                      | 53000                      | 85000                      |
| 100            | 7,6  | 20000                   | 51600                      | 103300                     | 155700                     |
| 125            | 9,5  | 34000                   | 75700                      | 132700                     | 186500                     |
| 160            | 12,2 | 51000                   | 120900                     | 227400                     | 330400                     |
| 200            | 13,5 | 116000                  | 224000                     | 362520                     | 482000                     |
| 224            | 14,5 | 164000                  | 318000                     | 516470                     | 688000                     |
| 250            | 17   | 191000                  | 372650                     | 607930                     | 812000                     |

**NH2C gG 400V, 500V**

| I <sub>n</sub> | PV     | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|--------|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W      | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 3,1            | 760    | 1960                    | 3900                       | 5900                       | 32                         |
| 3,6            | 800    | 2140                    | 4380                       | 6700                       | 35                         |
| 3,2            | 1300   | 3260                    | 6400                       | 9500                       | 40                         |
| 3,9            | 2020   | 6212                    | 14140                      | 23000                      | 50                         |
| 4,5            | 3000   | 7990                    | 16360                      | 25000                      | 63                         |
| 5,4            | 4500   | 14060                   | 32400                      | 53000                      | 80                         |
| 6,5            | 8000   | 24000                   | 53000                      | 85000                      | 100                        |
| 7,6            | 20000  | 51600                   | 103300                     | 155700                     | 125                        |
| 9,5            | 34000  | 75700                   | 132700                     | 186500                     | 160                        |
| 12,2           | 51000  | 120900                  | 227400                     | 330400                     | 200                        |
| 13,5           | 116000 | 224000                  | 362520                     | 482000                     | 224                        |
| 14,5           | 164000 | 318000                  | 516470                     | 688000                     | 250                        |
| 17             | 191000 | 372650                  | 607930                     | 812000                     | 280                        |

**NH2 gG 400V, 500V**

| I <sub>n</sub> | PV     | I <sup>2</sup> t<br>1ms | I <sup>2</sup> tc<br>~254V | I <sup>2</sup> tc<br>~440V | I <sup>2</sup> tc<br>~550V |
|----------------|--------|-------------------------|----------------------------|----------------------------|----------------------------|
| A              | W      | A <sup>2</sup> s        | A <sup>2</sup> s           | A <sup>2</sup> s           | A <sup>2</sup> s           |
| 3,6            | 800    | 2140                    | 4380                       | 6700                       | 32                         |
| 3,2            | 1300   | 3260                    | 6400                       | 9500                       | 35                         |
| 3,9            | 2020   | 6212                    | 14140                      | 23000                      | 40                         |
| 4,5            | 3000   | 7990                    | 16360                      | 25000                      | 50                         |
| 5,4            | 4500   | 14060                   | 32400                      | 53000                      | 63                         |
| 6,5            | 8000   | 24000                   | 53000                      | 85000                      | 80                         |
| 7,6            | 20000  | 51600                   | 103300                     | 155700                     | 100                        |
| 9,5            | 34000  | 75700                   | 132700                     | 186500                     | 125                        |
| 12,2           | 51000  | 120900                  | 227400                     | 330400                     | 160                        |
| 13,5           | 116000 | 224000                  | 362520                     | 482000                     | 200                        |
| 14,5           | 164000 | 318000                  | 516470                     | 688000                     | 224                        |
| 17,0           | 191000 | 372650                  | 607930                     | 812000                     | 250                        |
| 19,4           | 217150 | 432500                  | 716100                     | 965000                     | 280                        |
| 20             | 260000 | 523250                  | 873150                     | 1182000                    | 300                        |
| 22,5           | 299900 | 595600                  | 985000                     | 1325000                    | 315                        |
| 23,5           | 558000 | 971300                  | 1457600                    | 1853000                    | 355                        |
| 29             | 740500 | 1400150                 | 2232400                    | 2941500                    | 400                        |

NH3C gG 400V, 500V

| $I_n$ | PV   | $I^2t$<br>1ms    | $I^2t$<br>~254V  | $I^2t$<br>~440V  | $I^2t$<br>~550V  |
|-------|------|------------------|------------------|------------------|------------------|
| A     | W    | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s |
| 80    | 6,5  | 8000             | 24000            | 53000            | 85000            |
| 100   | 7,5  | 20000            | 51600            | 103300           | 155700           |
| 125   | 9,2  | 34000            | 75700            | 132700           | 186500           |
| 160   | 11,9 | 51000            | 120900           | 227400           | 330400           |
| 200   | 13,1 | 116000           | 224000           | 362520           | 482000           |
| 250   | 16,8 | 191000           | 372650           | 607930           | 812000           |
| 280   | 19,4 | 217150           | 432500           | 716100           | 965000           |
| 300   | 20   | 260000           | 523250           | 873150           | 1182000          |
| 315   | 22,5 | 299900           | 595600           | 985000           | 1325000          |
| 355   | 23,5 | 558000           | 971300           | 1457600          | 1853000          |
| 400   | 29   | 740500           | 1400150          | 2232400          | 2941500          |

NH3 gG 500V

| $I_n$ | PV   | $I^2t$<br>1ms    | $I^2t$<br>~254V  | $I^2t$<br>~440V  | $I^2t$<br>~550V  |
|-------|------|------------------|------------------|------------------|------------------|
| A     | W    | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s |
| 425   | 28,7 | 600800           | 1119900          | 1677850          | 2131000          |
| 500   | 33,5 | 776500           | 1404100          | 2166500          | 2800000          |
| 560   | 37,6 | 1155000          | 2044640          | 3106350          | 3978000          |
| 630   | 40,2 | 1619000          | 2902100          | 4449520          | 5729000          |

NH4a gG 500V

| $I_n$ | PV   | $I^2t$<br>1ms    | $I^2t$<br>~220V  | $I^2t$<br>~400V  | $I^2t$<br>~550V  |
|-------|------|------------------|------------------|------------------|------------------|
| A     | W    | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s | A <sup>2</sup> s |
| 630   | 43,5 | 2150000          | -                | -                | 10000000         |
| 800   | 59,5 | 3900000          | -                | -                | 13000000         |
| 1000  | 84   | 6250000          | -                | -                | 20000000         |
| 1250  | 104  | 8000000          | -                | -                | 35000000         |
| 1500  | 145  | -                | -                | -                | -                |
| 1600  | 153  | 12000000         | -                | -                | 45000000         |

Effect of ambient temperature on the rated current of fuses

Ambient air temperature of fuse-link

