

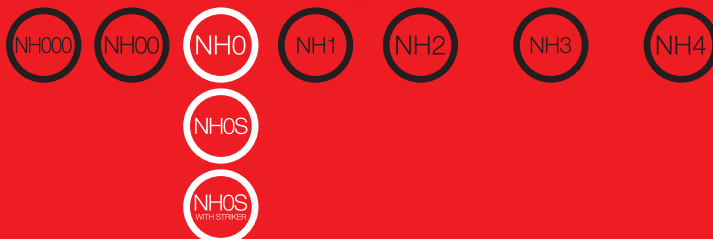
NH KNIFE-BLADE

FUSE LINKS & FUSE BASES



gG NH 500V

fuse links



PROTECTING THE WORLD



Knife type NH gG 500V fuse links with top indicator

These high breaking capacity fuse-links are intended for protection of power lines and equipment, against overloads and short-circuits with rated voltages up to 500V AC (+10%).

The rated breaking capacity is 120 kA.

Compact versions in low rated currents of every size.

The range comprises the following fuse links:

- Size NH0 gG 500V 6A to 160A
- Size NH0S gG 500V 200A to 250A
- Size NH0S with striker gG 500V 32A to 200A

Manufactured with ceramic body with high withstand to internal pressure and thermal shock, that allows a high breaking capacity. Knife contacts are made of silver plated copper or brass.

They are manufactured according to IEC/EN60269 Standards and comply with RoHS directive.



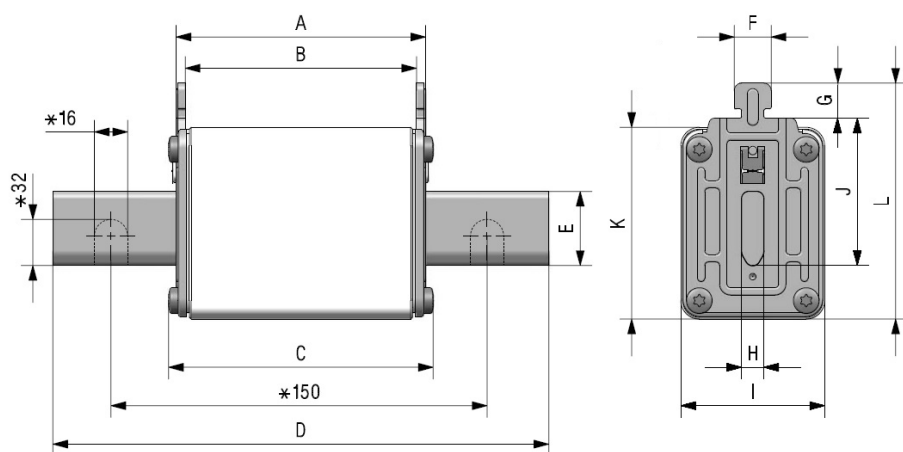
Range

| | I _n (A) | REFERENCE | PACKING Uni /BOX |
|-----|-----------------------|-----------|---------------------|
| NH0 | 6 | 381110 | 3/42 |
| | 10 | 381115 | 3/42 |
| | 16 | 381120 | 3/42 |
| | 20 | 381125 | 3/42 |
| | 25 | 381130 | 3/42 |
| | 32 | 381135 | 3/42 |
| | 35 | 381140 | 3/42 |
| | 40 | 381145 | 3/42 |
| | 50 | 381150 | 3/42 |
| | 63 | 381155 | 3/42 |
| | 80 | 381160 | 3/42 |
| | 100 | 381165 | 3/42 |
| | 125 | 381170 | 3/42 |
| | 160 | 381175 | 3/42 |

| | I _n (A) | REFERENCE | PACKING Uni /BOX |
|----------------------|-----------------------|-----------|---------------------|
| NH0S | 200 | 381180 | 3/30 |
| | 224 | 381185 | 3/30 |
| | 250 | 381190 | 3/30 |
| NH0S WITH STRIKER | 32 | 395135 | 3/30 |
| | 35 | 395140 | 3/30 |
| | 40 | 395145 | 3/30 |
| | 50 | 395150 | 3/30 |
| | 63 | 395155 | 3/30 |
| | 80 | 395160 | 3/30 |
| | 100 | 395165 | 3/30 |
| | 125 | 395170 | 3/30 |
| | 160 | 395175 | 3/30 |
| | 200* | 395180 | 3/30 |

* Overrating fuse links

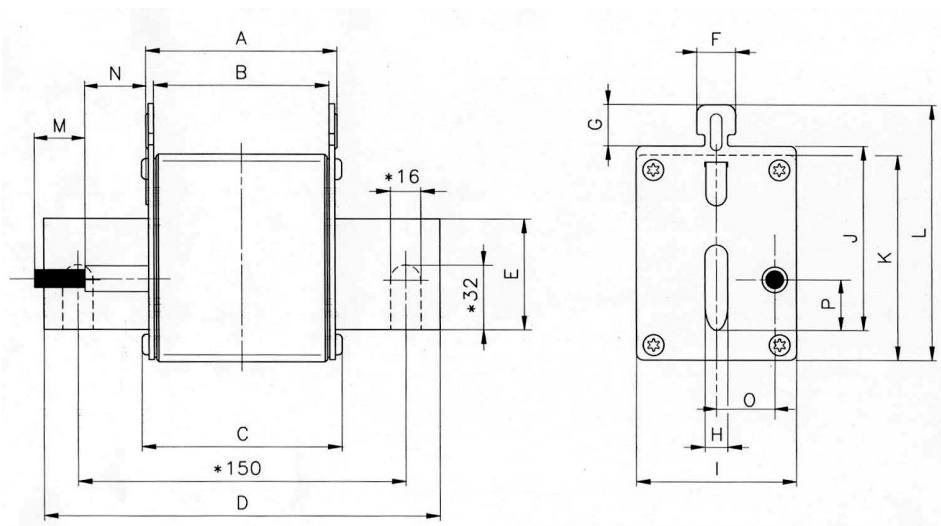
Dimensions



* Only for NH4 fuse links

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-------------|----|------|------|-----|----|----|-----|---|----|----|----|----|
| NH0 | 66 | 60,5 | 66,5 | 125 | 15 | 10 | 9,5 | 6 | 29 | 35 | 47 | 59 |
| NH0S | 66 | 62 | 66,5 | 125 | 15 | 10 | 9,5 | 6 | 39 | 35 | 47 | 59 |

Weight NH0: 250gr | NH0S: 310gr



* Only for NH4 fuse links

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|----|----|------|-----|----|----|-----|---|----|----|----|----|----|----|------|----|
| 66 | 62 | 66,5 | 125 | 15 | 10 | 9,5 | 6 | 39 | 35 | 47 | 59 | 15 | 29 | 14,5 | 14 |

Weight 320gr

Technical data

| | |
|-------------------------|----------------|
| Rated voltage | 500V AC +10% |
| Rated current | 6A...250A |
| Rated breaking capacity | 120kA |
| Operating class | gG |
| Rated frequency | 42...62Hz |
| Storage temperature | -40°C ... 90°C |
| Operating temperature * | -40°C ... 80°C |

* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

IEC/EN 60269-1
IEC/EN 60269-2
RoHS Compliant



Materials

| | |
|----------------|---------------------------------|
| Body | Steatite C221 |
| Contact blades | Copper or brass (silver plated) |
| Plates | Aluminium |
| Screws | Zinc plated steel |

DC Application

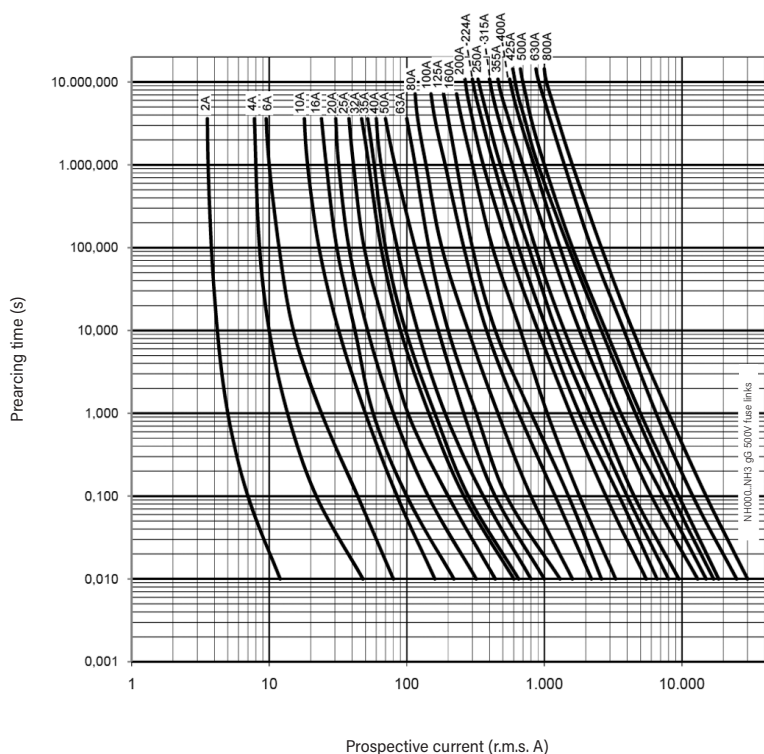
| RATED CURRENT | MAX DC VOLTAGE | DC BREAKING CAPACITY |
|---------------|----------------|----------------------|
| 6A...160A | 250V DC | 80kA |
| 200A...250A | 125V DC | 80kA |

Power dissipation

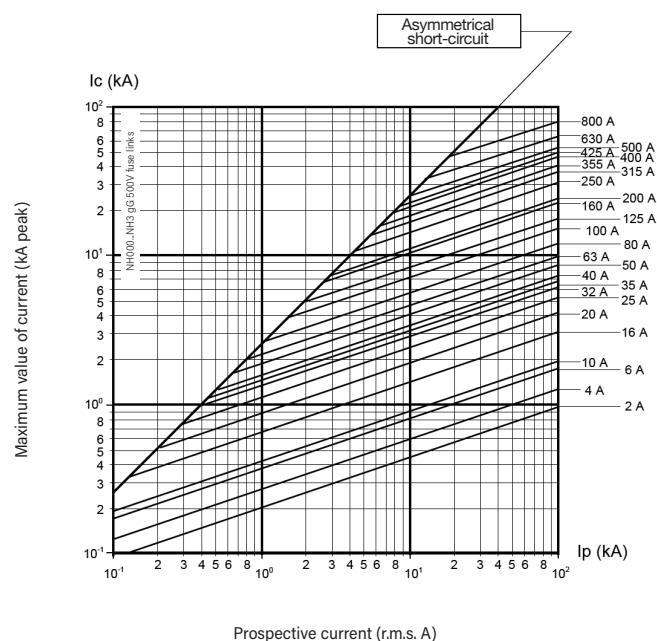
| | I _n (A) | POWER DISSIPATION (W) | PREARcing I _t ≈ 4 ms (A²s) | TOTAL I _t 230V (A²s) | TOTAL I _t 400V (A²s) | TOTAL I _t 500V (A²s) |
|------|-----------------------|--------------------------|--|------------------------------------|------------------------------------|------------------------------------|
| NH0 | 6 | 1,3 | 103 | 145 | 188 | 218 |
| | 10 | 1,3 | 128 | 197 | 270 | 324 |
| | 16 | 2,8 | 290 | 444 | 607 | 730 |
| | 20 | 3,0 | 605 | 926 | 1267 | 1524 |
| | 25 | 3,6 | 1160 | 1774 | 2428 | 2920 |
| | 32 | 4,5 | 2779 | 4100 | 5467 | 6475 |
| | 35 | 4,8 | 3190 | 4710 | 6276 | 7433 |
| | 40 | 5,2 | 4594 | 6780 | 9037 | 10700 |
| | 50 | 6,7 | 5600 | 11075 | 14772 | 17500 |
| | 63 | 7,0 | 5700 | 16600 | 15800 | 22000 |
| | 80 | 7,2 | 9838 | 18600 | 29823 | 39350 |
| | 100 | 8,3 | 20400 | 38600 | 61962 | 81800 |
| | 125 | 10,9 | 40500 | 70900 | 107301 | 136895 |
| | 160 | 11,7 | 78400 | 137000 | 207711 | 265000 |
| NH0S | 200 | 15,5 | 98100 | 159600 | 228666 | 282540 |
| | 224 | 17,7 | 138300 | 225000 | 322455 | 398400 |
| | 250 | 20,2 | 169000 | 274700 | 393447 | 486000 |

* Same data for STRIKER range (32A up to 200A)

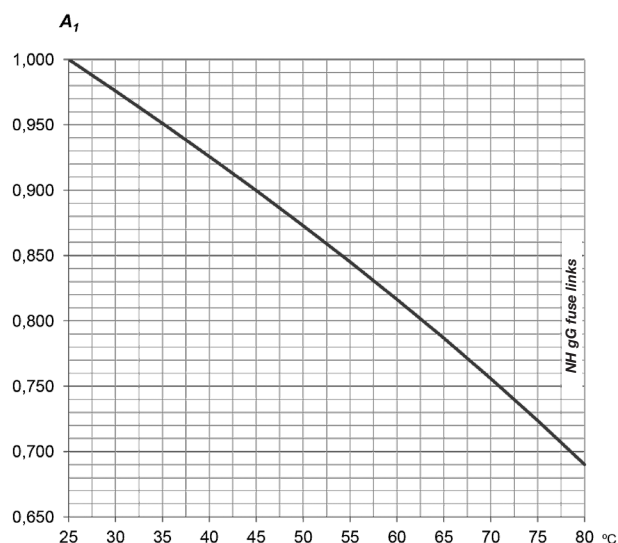
t-I characteristics



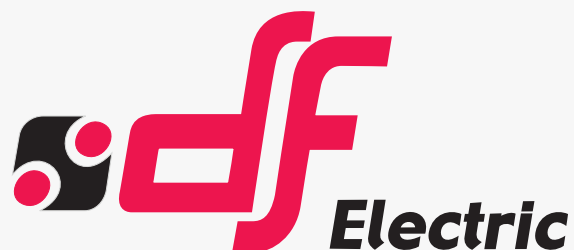
Cut-off characteristics



Ambient temperature derating factor



| t _a (°C) | A ₁ |
|------------------------|----------------|
| 25 | 1,00 |
| 30 | 0,98 |
| 35 | 0,95 |
| 40 | 0,93 |
| 45 | 0,90 |
| 50 | 0,87 |
| 55 | 0,84 |
| 60 | 0,82 |
| 65 | 0,79 |
| 70 | 0,76 |
| 75 | 0,72 |
| 80 | 0,69 |



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HEAD OFFICE AND FACTORY

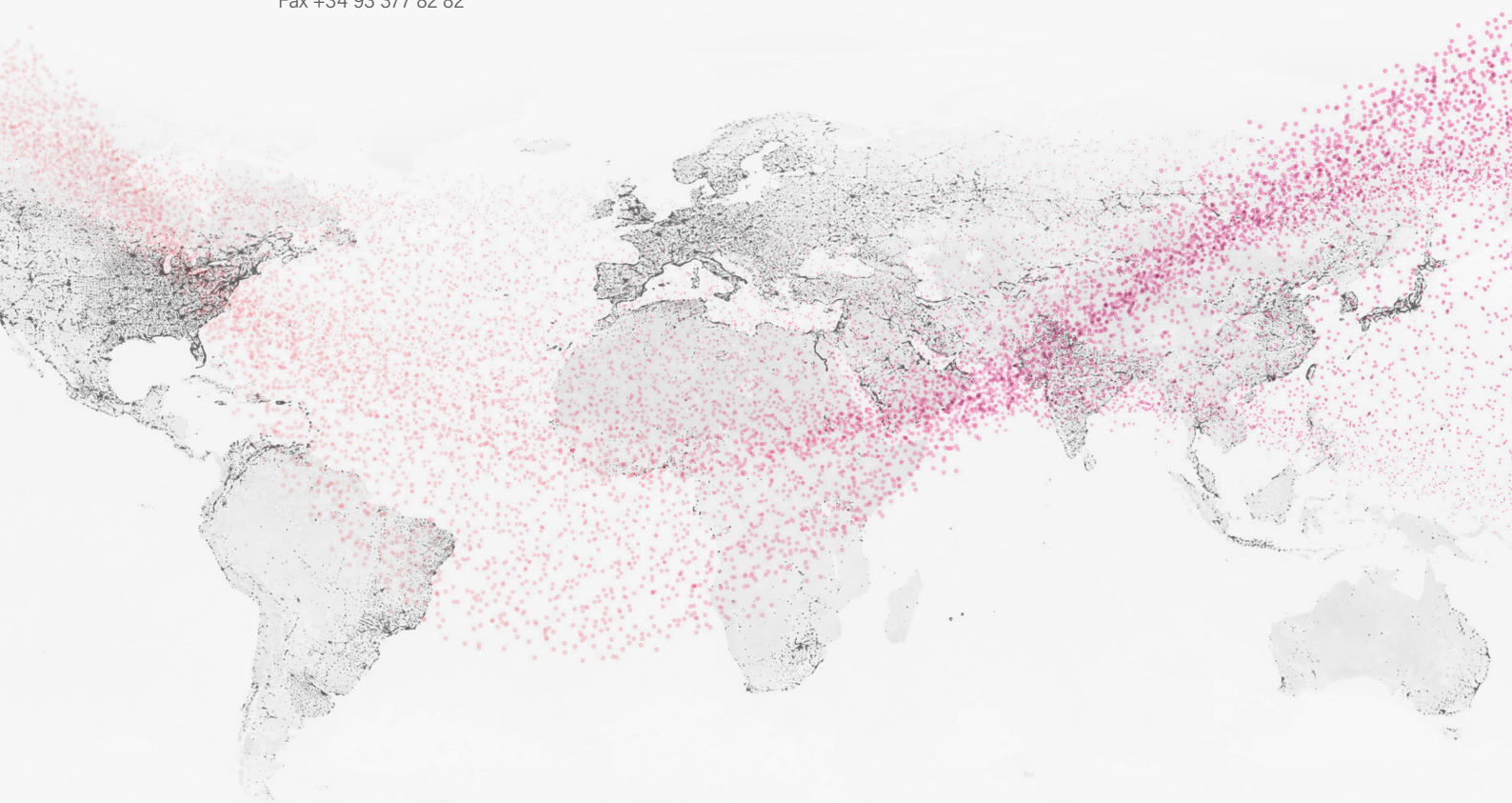
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The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



Safety notice
Please capture the following QR code and read our safety notice carefully before installing our products.



The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which they were made.

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