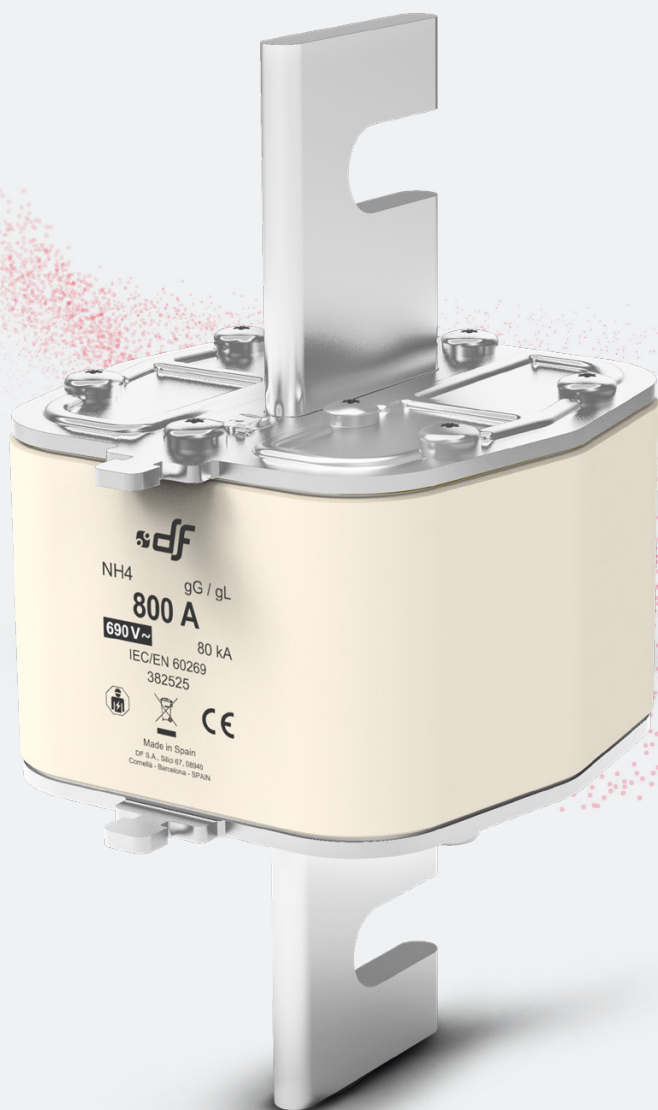


NH KNIFE-BLADE

FUSE LINKS & FUSE BASES



gG
NH 690V
fuse links



**PROTECTING
THE WORLD**



Knife type NH gG 690V 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 690V (+5%).

The rated breaking capacity is 80kA.

Compact versions in low rated currents of every size.

The range comprises the following fuse links:

- Size NH4 gG 690V 400A to 800A
- Size NH4 with striker gG 690V 400A to 800A

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.

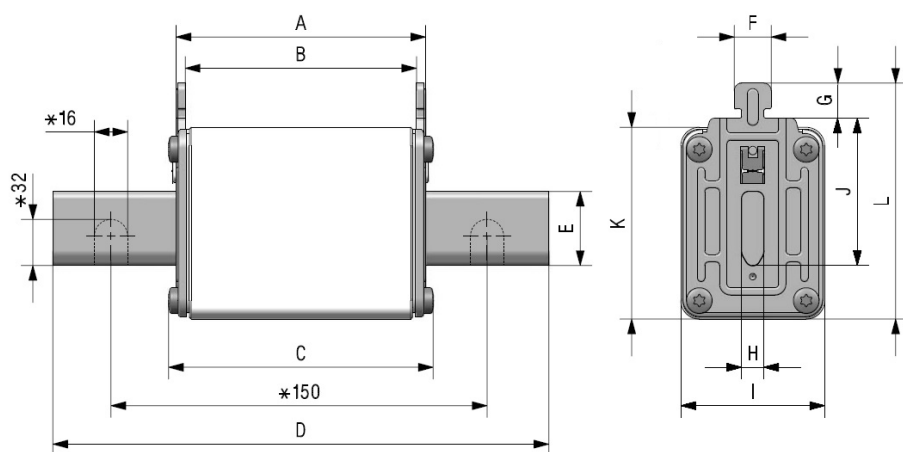


Range

	In (A)	REFERENCE	PACKING Uni /BOX
NH4	400	382510	1/6
	500	382515	1/6
	630	382520	1/6
	800	382525	1/6
NH4 WITH STRIKER	400	396510	1/6
	500	396515	1/6
	630	396520	1/6
	800	396525	1/6



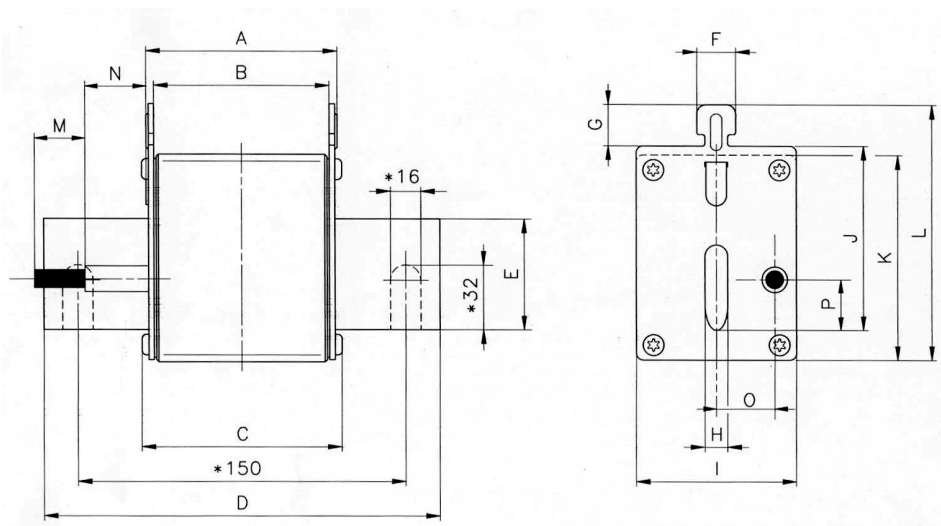
Dimensions



* Only for NH4 fuse links

A	B	C	D	E	F	G	H	I	J	K	L
68	62	76	200	50	10	10	8	102	87	105	120

Weight 2,38kg



* Only for NH4 fuse links

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
68	62	76	200	50	10	10	8	102	87	105	120	15	39	27,5	14,5

Weight 2,38kg



Technical data

Rated voltage	690V AC +5%
Rated current	400A...800A
Rated breaking capacity	80kA
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

MAX DC VOLTAGE	DC BREAKING CAPACITY
440V DC	25kA

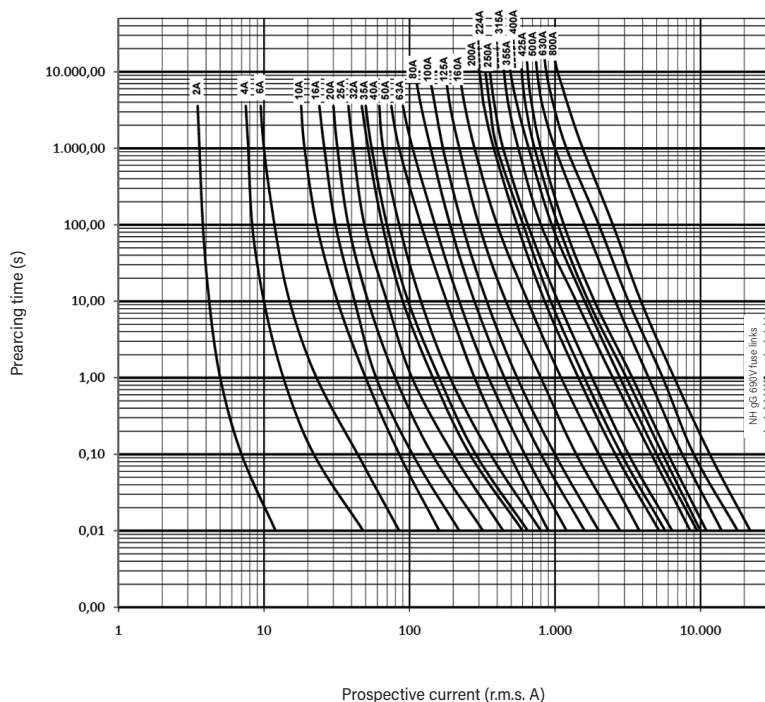
Power dissipation

I _n	POWER DISSIPATION	PREARcing I _t	TOTAL I _t 400V	TOTAL I _t 500V	TOTAL I _t 690V
(A)	(W)	≈ 4 ms (A ² s)	(A ² s)	(A ² s)	(A ² s)
400	32,7	402000	823251	984825	1384298
500	37,0	726000	1486767	1778564	2500000
630	47,0	1373000	2800000	3360000	4725000
800	70,0	1918000	3930000	4700000	6600000

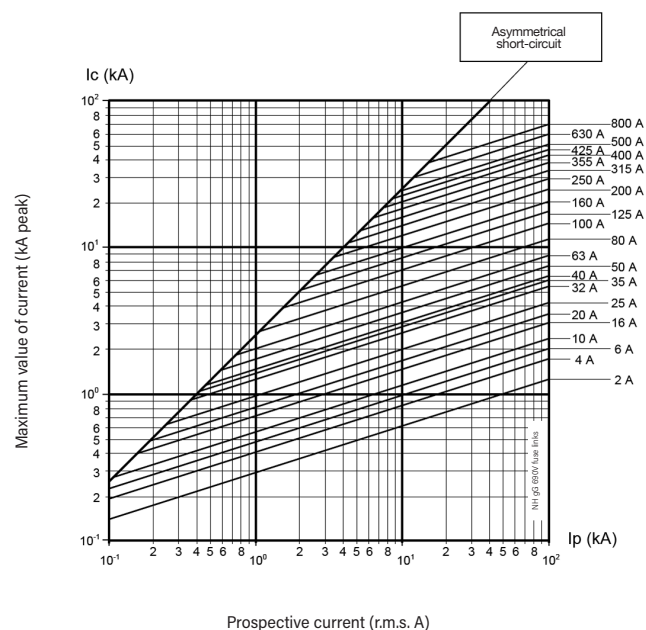
* Same data for STRIKER range



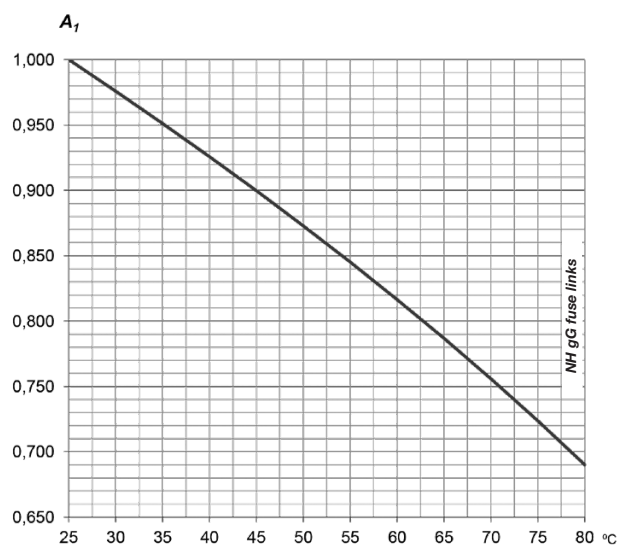
t-I characteristics



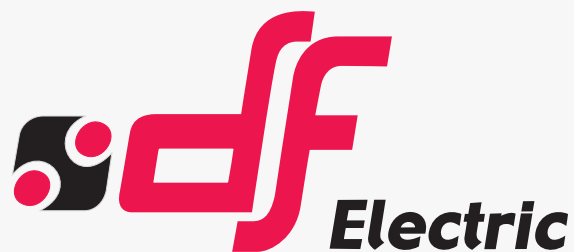
Cut-off characteristics



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



PROTECTING THE WORLD

HEAD OFFICE AND FACTORY

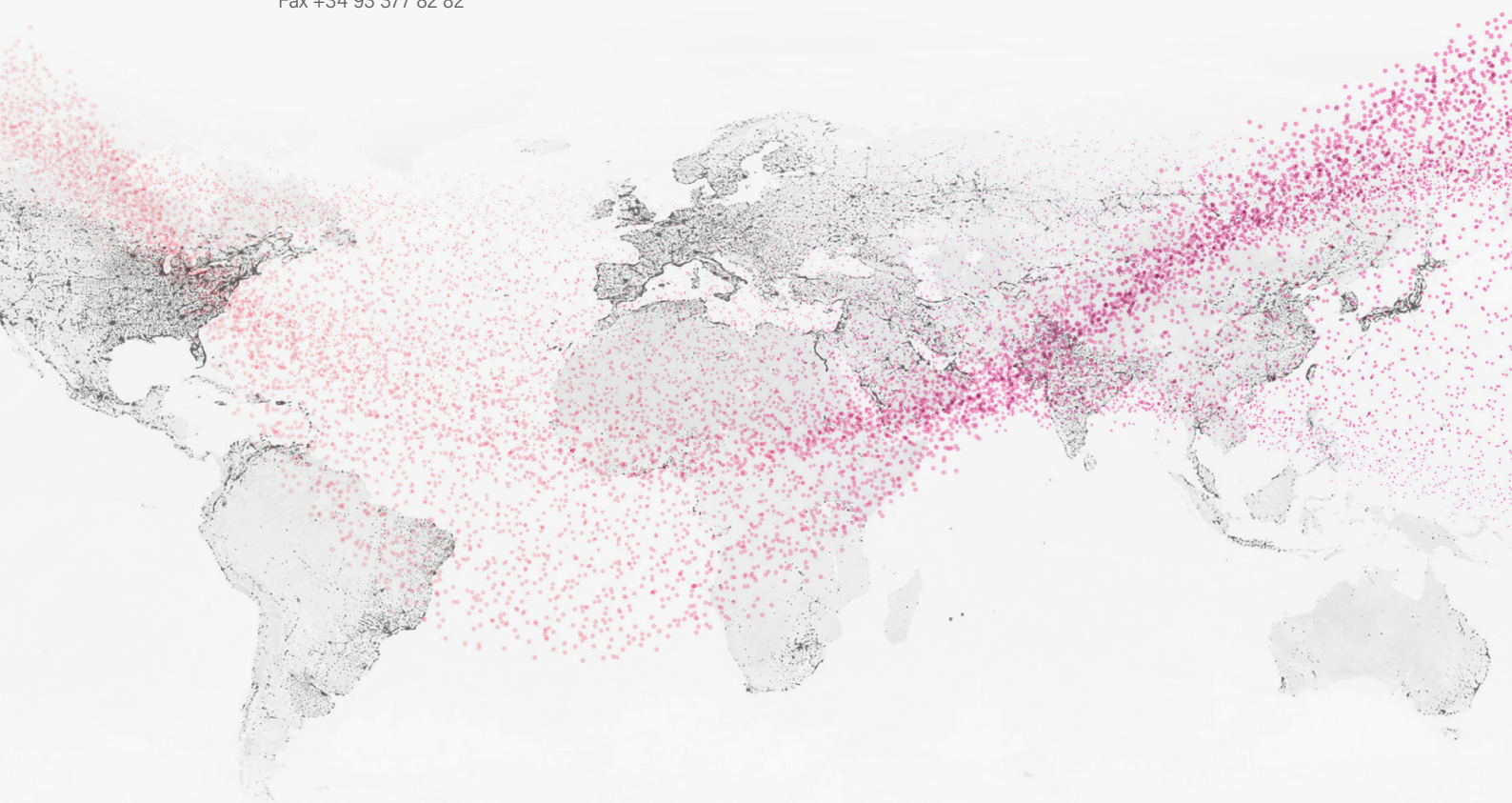
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According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



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.

The products described in this document have been designed, developed and tested in accordance with specific standard. They are considered components that are integrated as part of installation, machine or equipment. The correct general operation of the referred product is responsibility of the manufacturer of the installation, machine or equipment.

DF ELECTRIC cannot guarantee the characteristics of an installation, machine or equipment that has been designed by a third party. Once a product has been selected, the user must verify that it is appropriate for its application, through the verifications and/or tests that it deems appropriate.

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