df Electric

BESS
BATTERY STORAGE

gBat
NH XL 1500V DC
fuse links

NH gBat NH2 XL

NH1 XL | NH2 XL | NH3 L | NH3 L BOLTED BLADE WITH STRIKER

PROTECTING
THE WORLD

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BESS BATTERY STORAGE

NH2 XL

NH2 XL

RATED VOLTAGE
1500V DC

RATED CURRENT
200A | 250A

BREAKING CAPACITY
100kA

STANDARDS
IEC/EN 60269-1
IEC60269-7 DRAFT

NH XL gBat 1500V DC fuse links for battery storage protection

NH gBat fuse links are specially designed to protect battery systems according to the draft of the new Standard IEC60269-7.

NH gBat fuse links are capable to clearing all types of overcurrents, overloads and short-circuits, thus the fuse links protect the batteries as well as cables and all switchgear of installation.

These fuse links are designed and manufactured with the same techniques that semiconductor fuse links, which makes them very fast of operation and gives a good performance under continuous charge/discharge cycles.

They are optimized to have reduced power dissipations that allow the utilization of a wide range of fuse bases, disconnectors and fuse switch disconnectors.

The range comprises the following fuse links:

→ **Size NH2 XL gBat 1500V DC 200A and 250A**

These fuse links can be used also as a protection in other DC applications, but it is very important to take into account the kind of load and the time-constant of circuit in order to have a correct application (consult us).

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

RoHS COMPLIANT

Range

In (A)	REFERENCE	PACKING Uni /BOX
200	**368350**	1/10
250	**368360**	1/10

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Technical data

Rated voltage	1500V DC L/R ≤ 3ms
Rated current	200A | 250A
Rated breaking capacity	100kA
Operating class	gBat
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

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

Materials

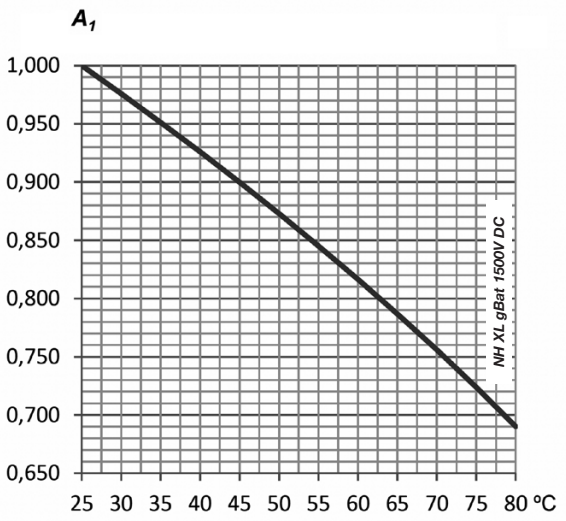
Body	Ceramics
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

Standards

IEC/EN 60269-1
IEC 60269-7 (draft)
RoHS Compliant

RoHS COMPLIANT

Ambient temperature derating factor



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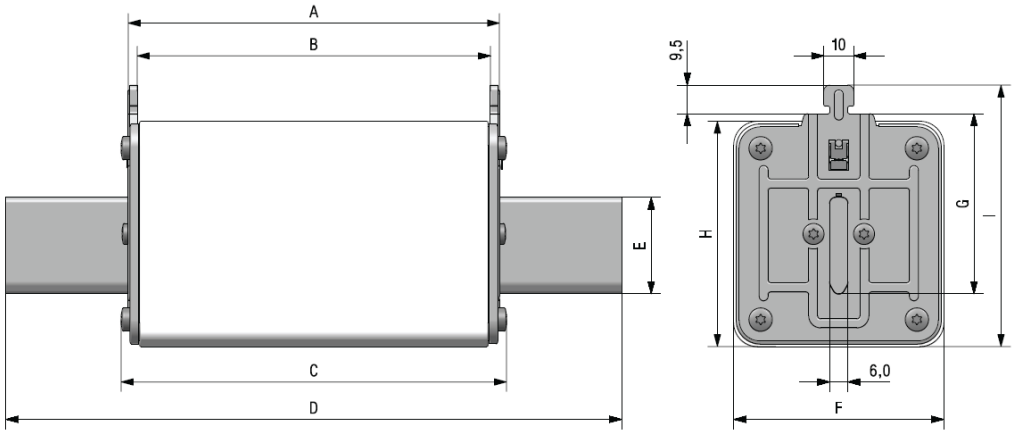
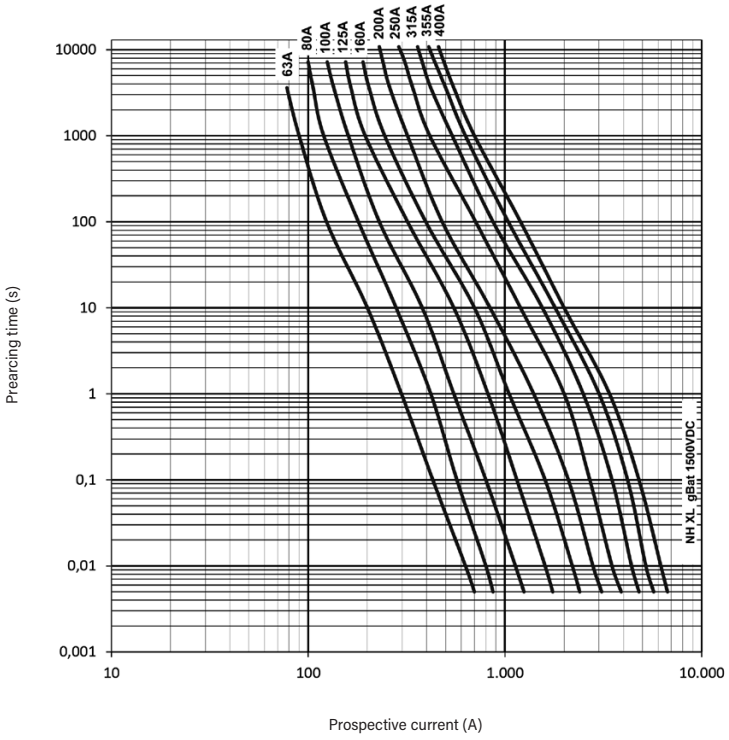
NH2 XL

Dimensions

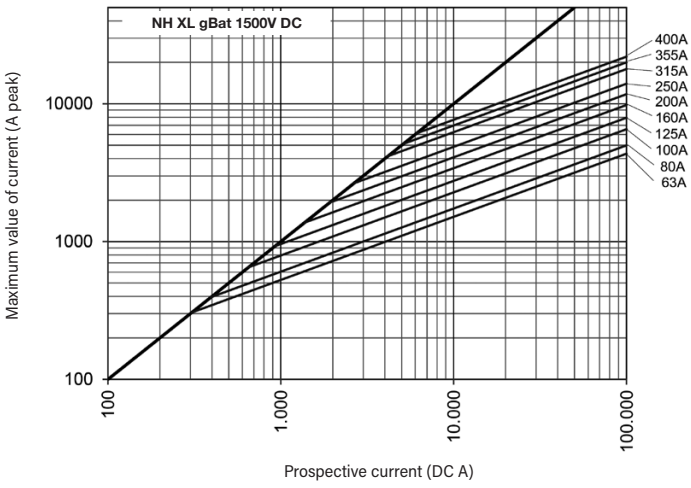


A	B	C	D	E	F	G	H	I	Weight
122,6	117,6	126,7	205	25	53	48	60,5	72	990 gr

t-I characteristics



Cut-off characteristics



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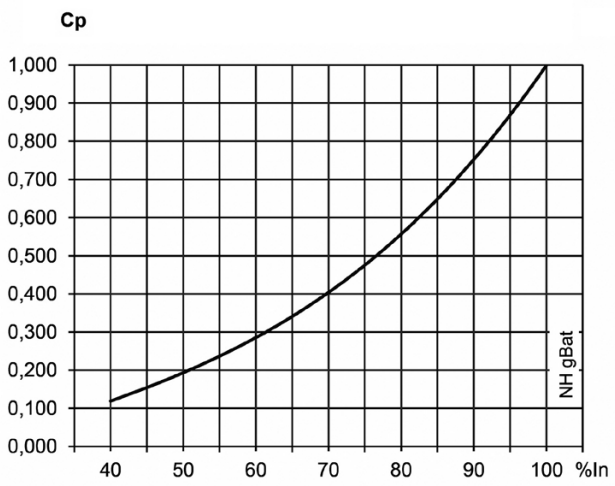
NH2 XL

Power dissipation

RATED CURRENT	POWER LOSS 0,8 · In	POWER LOSS In	PREARCING I^2t	OPERATING I^2t at Un
(A)	(W)	(W)	(A^2s)	(A^2s)
200	25,6	45	24850	52360
250	29,6	52	42000	88500

Correction factor for power loss



PROTECTING THE WORLD

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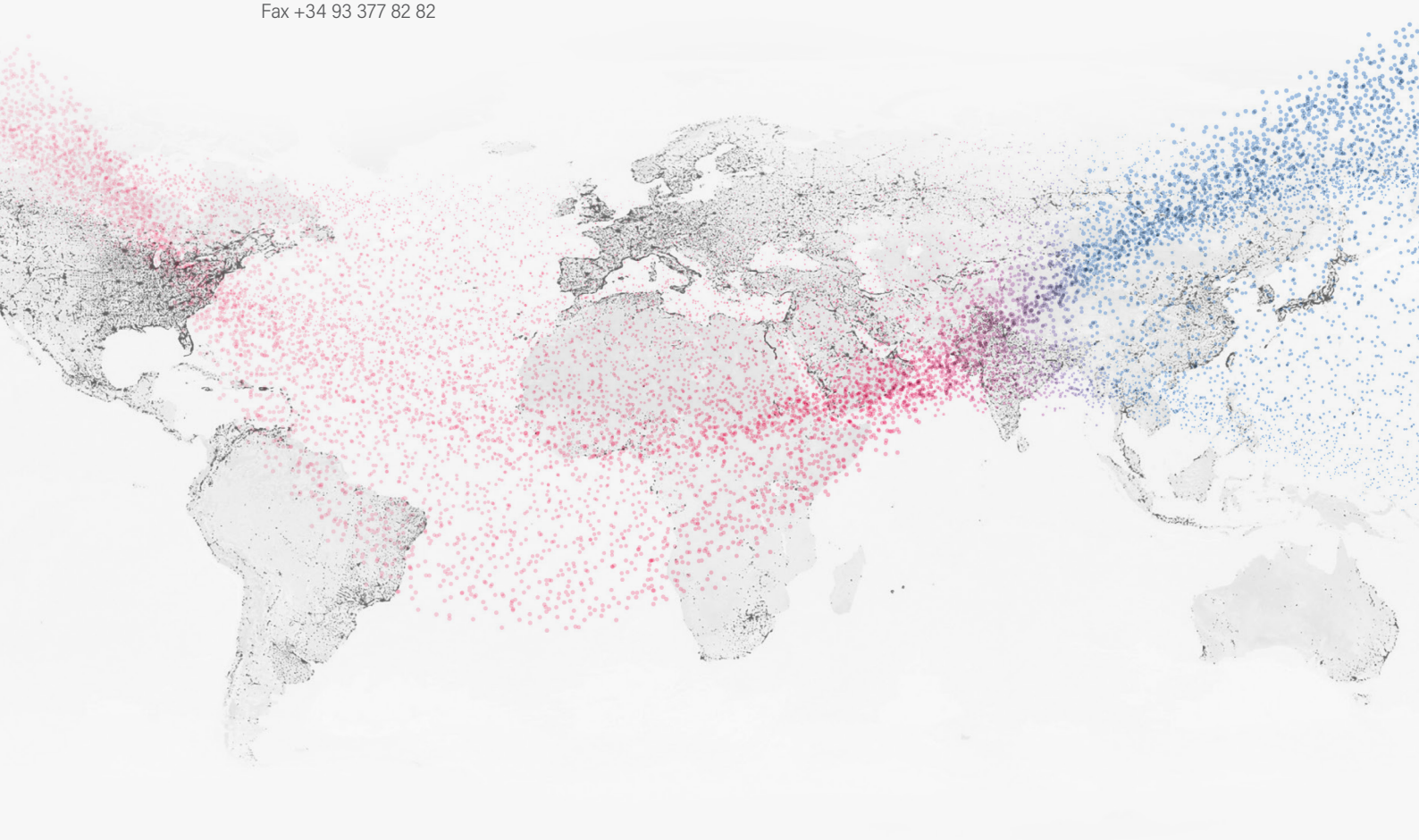

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FABRICADO EN ESPAÑA
MADE IN SPAIN

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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