df Electric

BATTERY STORAGE

NH BATTERY PROTECTION FUSE LINKS

gBat

NH 1500V DC

fuse links

NH gBat

NH1 XL

NH2 XL

NH3 L

NH3 L

BOLTED BLADE WITH STRIKER

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gBat
NH XL 1500V DC
fuse links

BATTERY STORAGE

NH1 XL

RATED VOLTAGE
1500V DC

RATED CURRENT
63A...160A

BREAKING CAPACITY
100kA

Range

In (A)	REFERENCE	PACKING Uni /BOX
63	**368235**	1/18
80	**368240**	1/18
100	**368245**	1/18
125	**368250**	1/18
160	**368255**	1/18

NH2 XL

RATED VOLTAGE
1500V DC

RATED CURRENT
200A | 250A

BREAKING CAPACITY
100kA

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

gBat
NH XL 1500V DC
fuse links

BATTERY STORAGE

NH3 L

RATED VOLTAGE
1500V DC

RATED CURRENT
315A...400A

BREAKING CAPACITY
100kA

Range

In (A)	REFERENCE	PACKING Uni /BOX
315	**368445**	1/10
355	**368450**	1/10
400	**368455**	1/10

NH3 L
BOLTED BLADE WITH STRIKER

RATED VOLTAGE
1500V DC

RATED CURRENT
160A...500A

BREAKING CAPACITY
50kA

In (A)	REFERENCE	PACKING Uni /BOX
160	**368420P**	1/10
200	**368425P**	1/10
250	**368435P**	1/10
315	**368445P**	1/10
355	**368450P**	1/10
400	**368455P**	1/10
450	**368463P**	1/10
500	**368465P**	1/10

Technical data

Rated voltage	1500V DC L/R ≤ 3ms
Rated current	63A...400A
Rated breaking capacity	100kA 50kA (NH3 L bolted blade)
Utilization category	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.

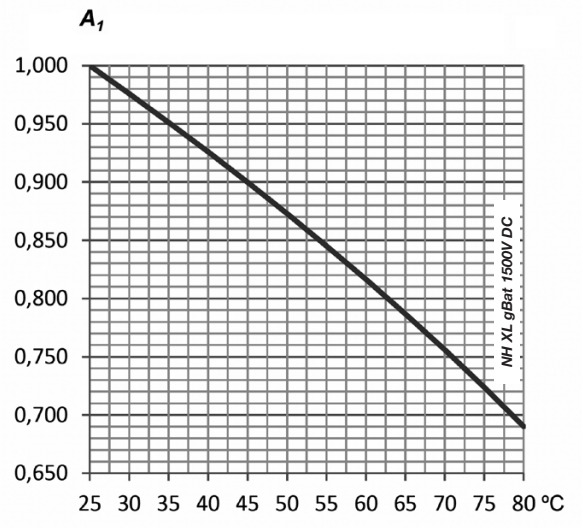
Materials

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

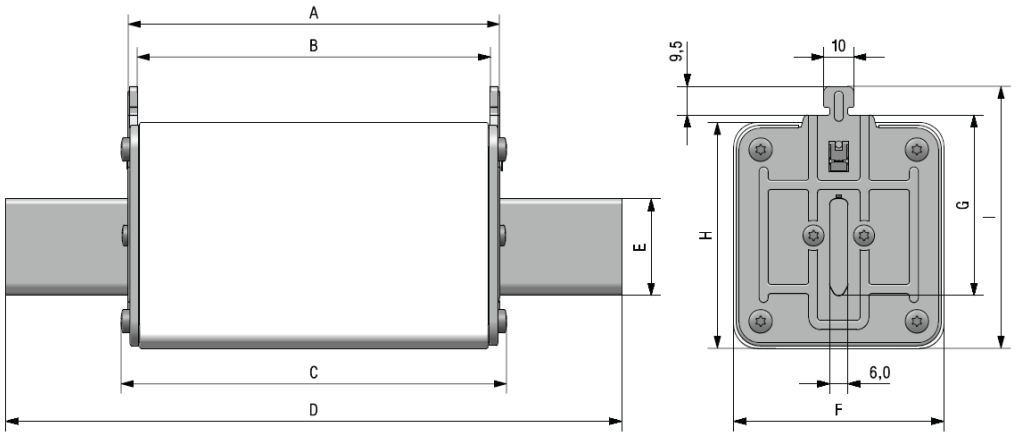
Standards

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

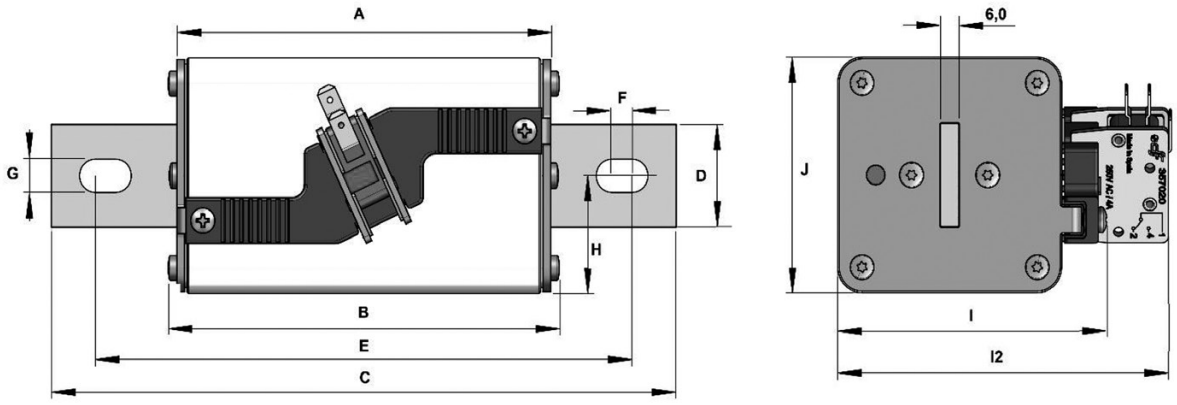
Ambient temperature derating factor



Dimensions



	A	B	C	D	E	F	G	H	I	Weight
NH1 XL	126	120	129	191	20	39	40	52,5	64,5	650 gr
NH2 XL	122,6	117,6	126,7	205	25	53	48	60,5	72	990 gr
NH3 L	123,6	117,6	128,3	205	32	70	60	75	87	1,65 kg

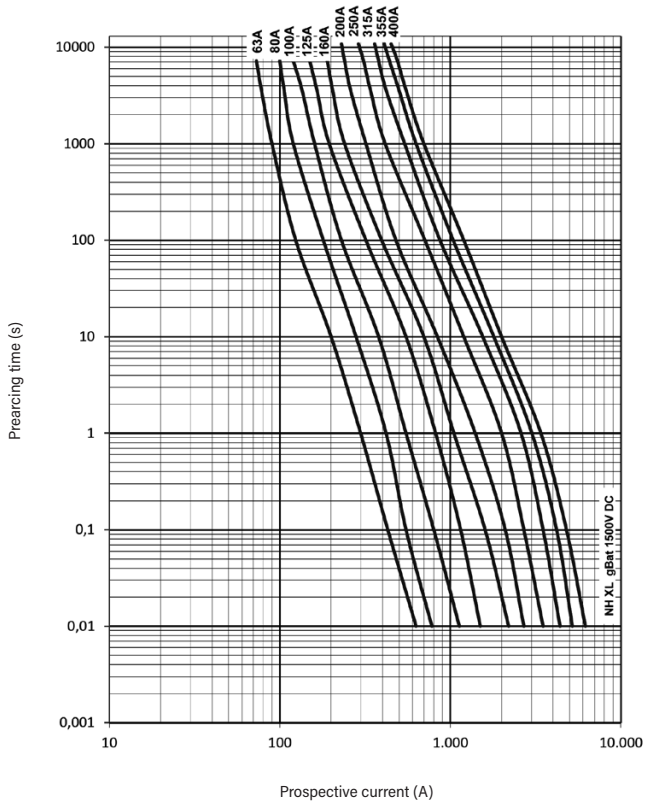


	A	B	C	D	E	F	G	H	I	I2	J
NH3 L BOLTED BLADE WITH STRIKER	122	127,7	205	32	176	6,5	10,5	36,5	88	108	73,5

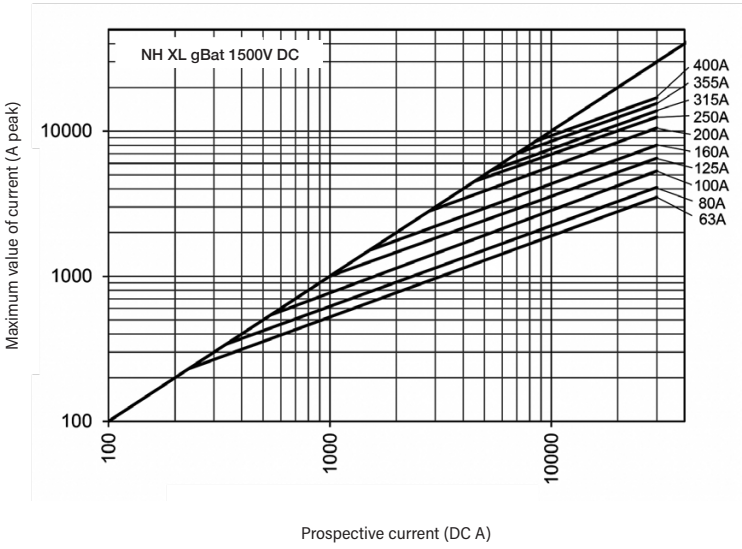
Weight	1,86kg
Recommended torque for connection screws (M10)	30...35Nm
Minimum recommended distance between fuse links	15mm

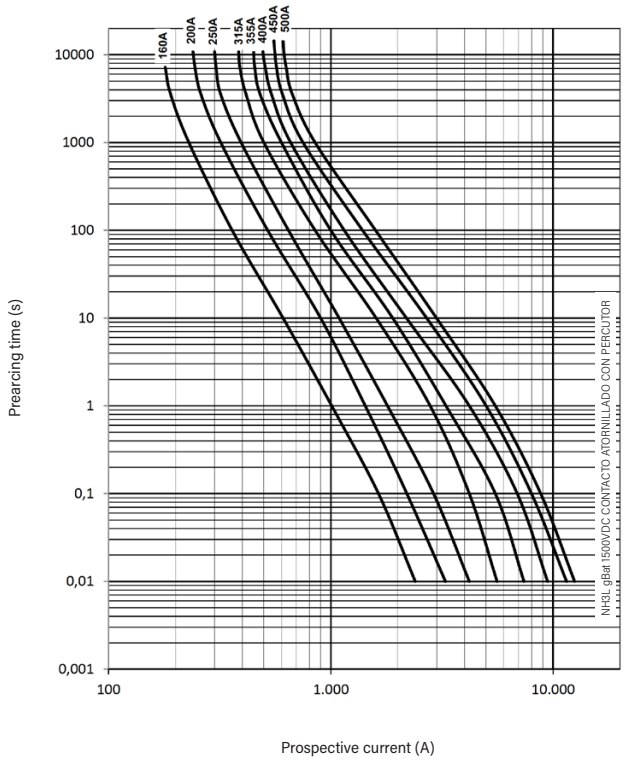
gBat
NH XL 1500V DC
fuse links

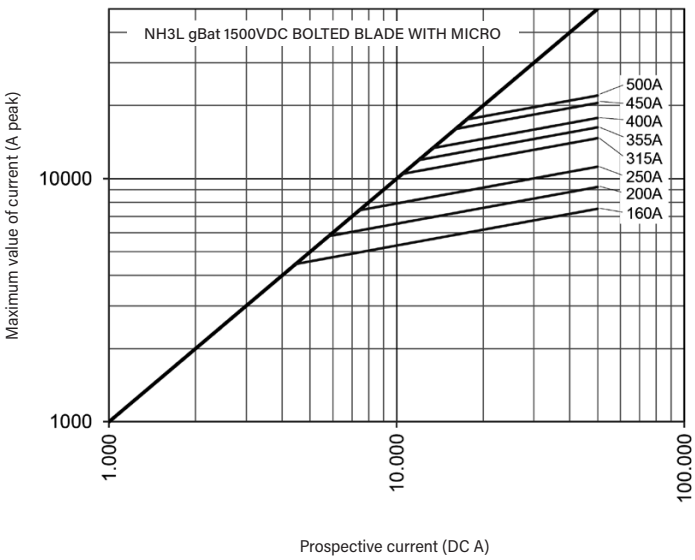
t-I characteristics



Cut-off characteristics



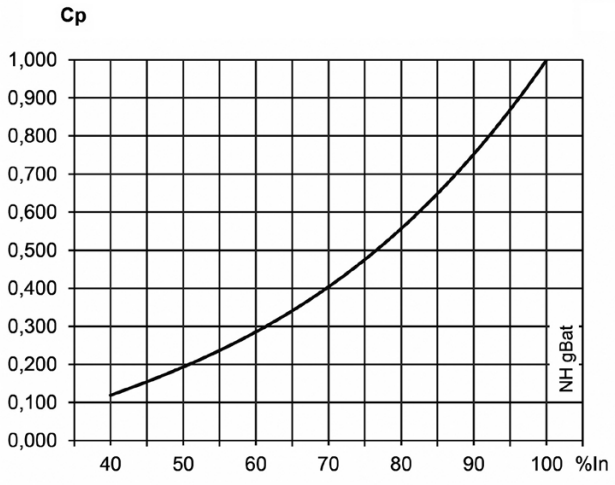




Power dissipation

SIZE	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)
NH1 XL	**63**	10,8	19	1160	2460
	80	14,2	25	1760	3720
	100	14,8	26	3970	8380
	125	17,1	30	7070	14900
	160	21,7	38	13360	28180
NH2 XL	**200**	25,6	45	24850	52360
	250	29,6	52	42000	88500
NH3 L	**315**	34,8	61	114000	172080
	355	38,8	68	159230	240350
	400	42,8	75	212000	320000
NH3 L BOLTED BLADE WITH STRIKER	**160**	14	36	17800	40700
	200	16	41	33200	75600
	250	18,8	48	59000	134500
	315	19,5	50	132700	302600
	355	22	56	180600	411800
	400	25	64	235900	537900
	450	26,5	66	361300	823800
	500	29,5	75	446000	1017000

Correction factor for power loss



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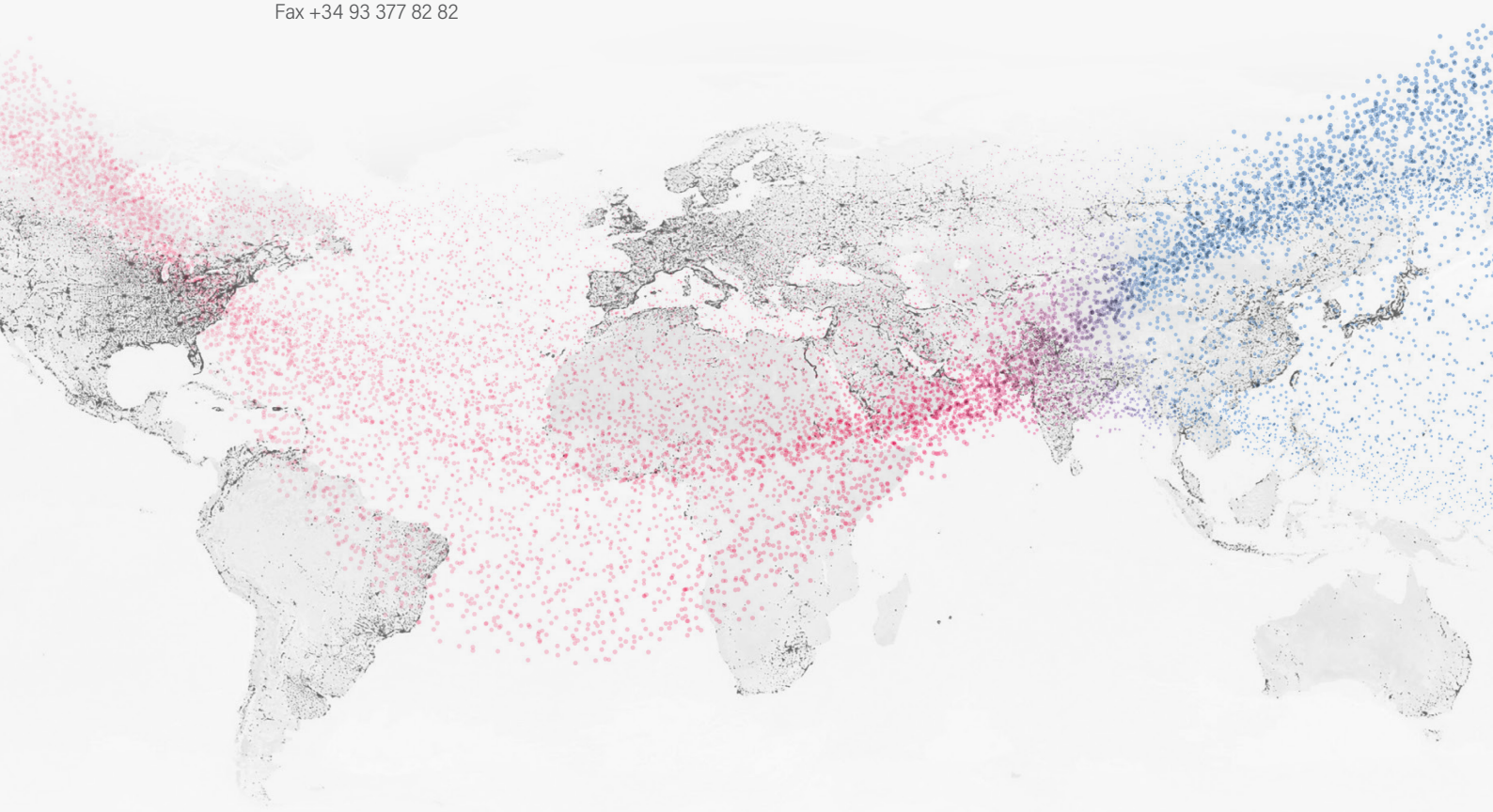

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FABRICADO EN ESPAÑA
MADE IN SPAIN

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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