

# gBat

## NH 1500V DC

fuse links

NH gBat



NH1  
XL

NH2  
XL

NH3  
L

NH3  
L

BOLTED BLADE  
WITH STRIKER

# PROTECTING THE WORLD

## Range

<b>NH1 XL</b>
<b>RATED VOLTAGE</b> 1500V DC
<b>RATED CURRENT</b> 63A...160A
<b>BREAKING CAPACITY</b> 100kA



<b>I<sub>n</sub></b> (A)	<b>REFERENCE</b>	<b>PACKING</b> Uni /BOX
63	<b>368235</b>	1/18
80	<b>368240</b>	1/18
100	<b>368245</b>	1/18
125	<b>368250</b>	1/18
160	<b>368255</b>	1/18

<b>NH2 XL</b>
<b>RATED VOLTAGE</b> 1500V DC
<b>RATED CURRENT</b> 200A   250A
<b>BREAKING CAPACITY</b> 100kA



<b>I<sub>n</sub></b> (A)	<b>REFERENCE</b>	<b>PACKING</b> Uni /BOX
200	<b>368350</b>	1/10
250	<b>368360</b>	1/10

## Range



RATED VOLTAGE  
1500V DC

RATED CURRENT  
315A...400A

BREAKING CAPACITY  
100kA

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
315	<b>368445</b>	1/10
355	<b>368450</b>	1/10
400	<b>368455</b>	1/10



BOLTED BLADE  
WITH STRIKER

RATED VOLTAGE  
1500V DC

RATED CURRENT  
160A...500A

BREAKING CAPACITY  
50kA

$I_n$ (A)	REFERENCE	PACKING Uni /BOX
160	<b>368420P</b>	1/10
200	<b>368425P</b>	1/10
250	<b>368435P</b>	1/10
315	<b>368445P</b>	1/10
355	<b>368450P</b>	1/10
400	<b>368455P</b>	1/10
450	<b>368463P</b>	1/10
500	<b>368465P</b>	1/10

## Technical data

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

## Materials

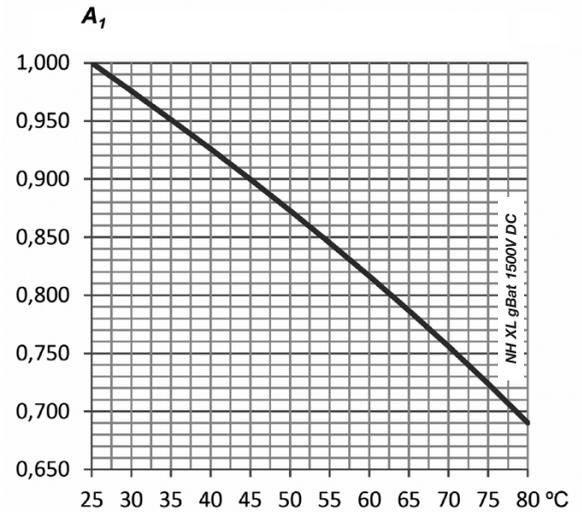
Body	Ceramics
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

## Standards

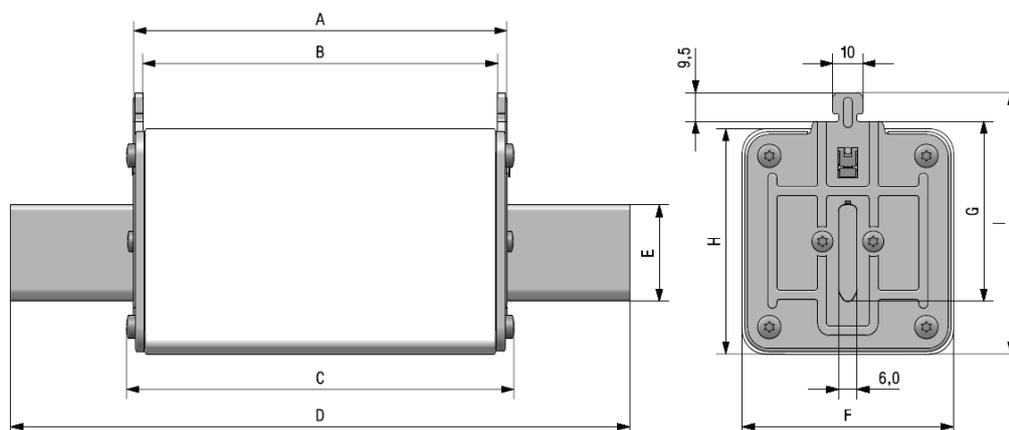
IEC/EN 60269-1  
IEC 60269-7 (draft)  
RoHS Compliant



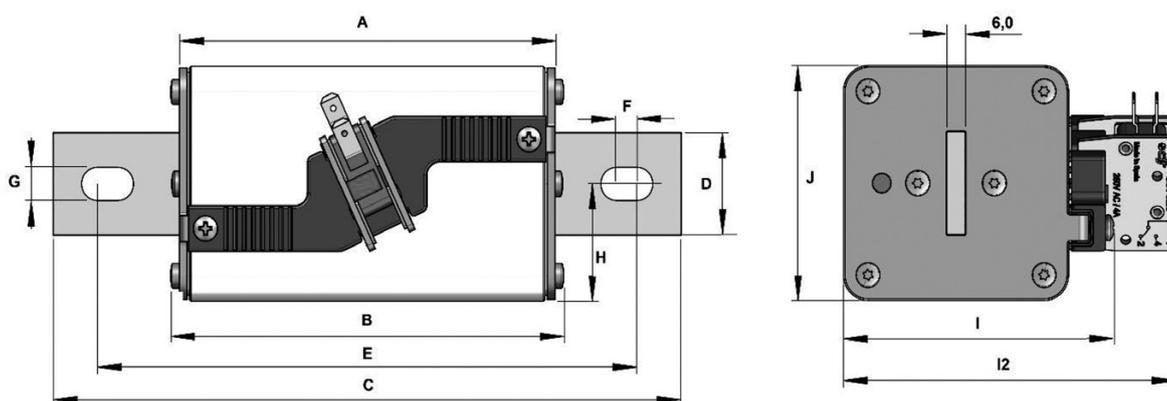
## Ambient temperature derating factor



## Dimensions



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

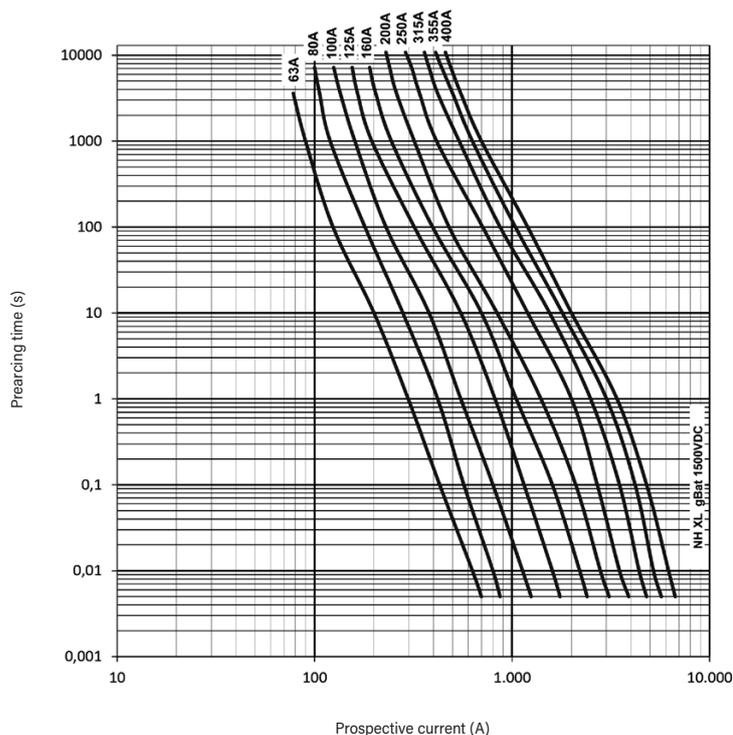


**NH3 L**  
BOLTED BLADE  
WITH STRIKER

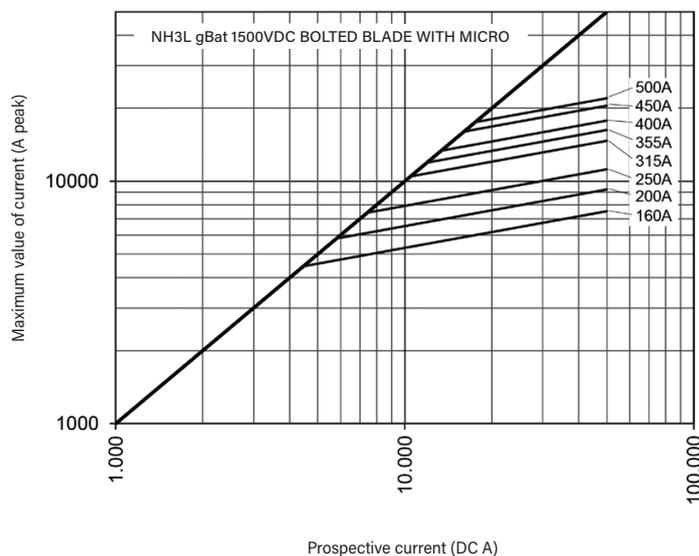
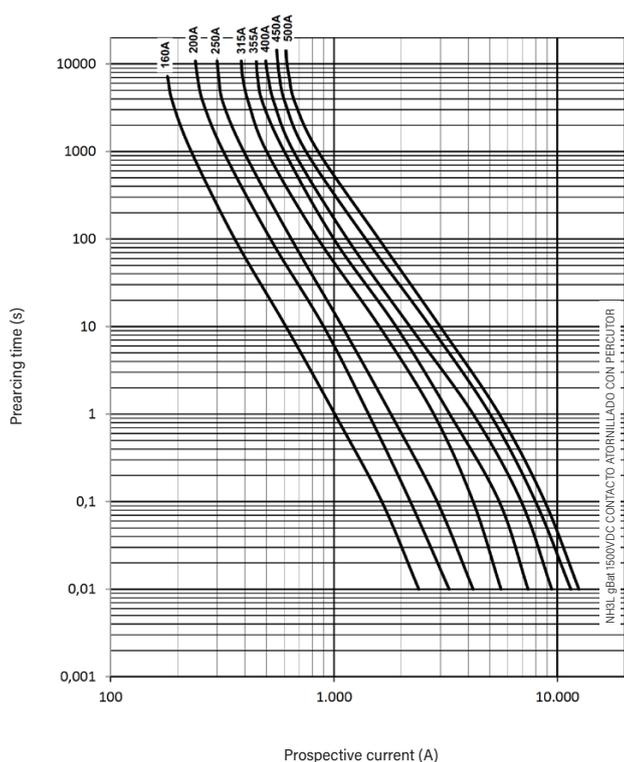
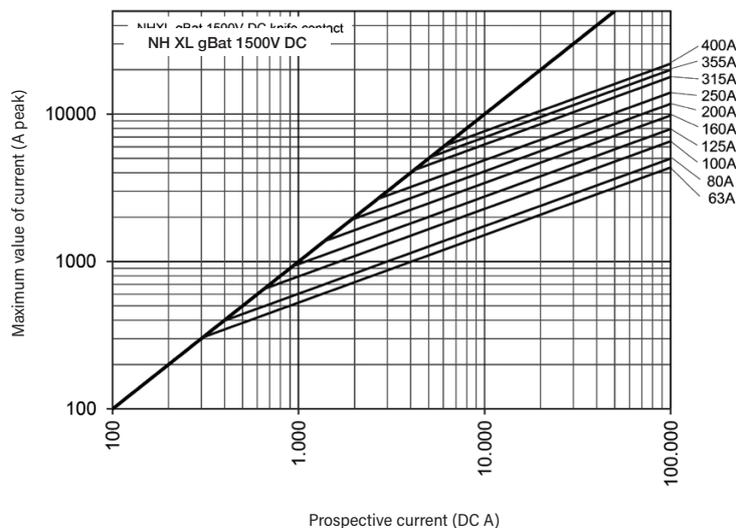
A	B	C	D	E	F	G	H	I	I2	J
122	127,7	205	32	176	6,5	10,5	36,5	88	108	73,5

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

## t-I characteristics



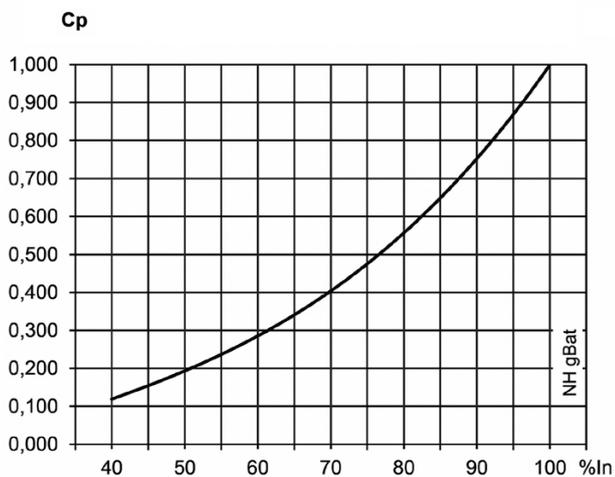
## Cut-off characteristics

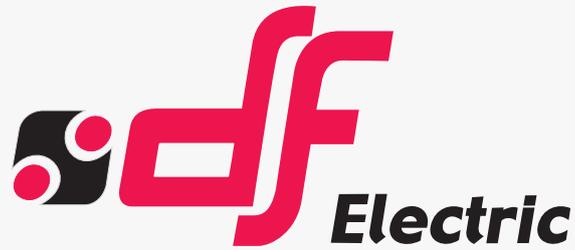


## Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS 0,8 · In (W)	POWER LOSS In (W)	PREARcing I <sup>2</sup> t (A <sup>2</sup> s)	OPERATING I <sup>2</sup> t at Un (A <sup>2</sup> s)
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
	315	34,8	61	114000	172080
NH3 L	355	38,8	68	159230	240350
	400	42,8	75	212000	320000
	160	14	36	17800	40700
NH3 L BOLTED BLADE WITH STRIKER	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





# PROTECTING THE WORLD

### HEAD OFFICE AND FACTORY

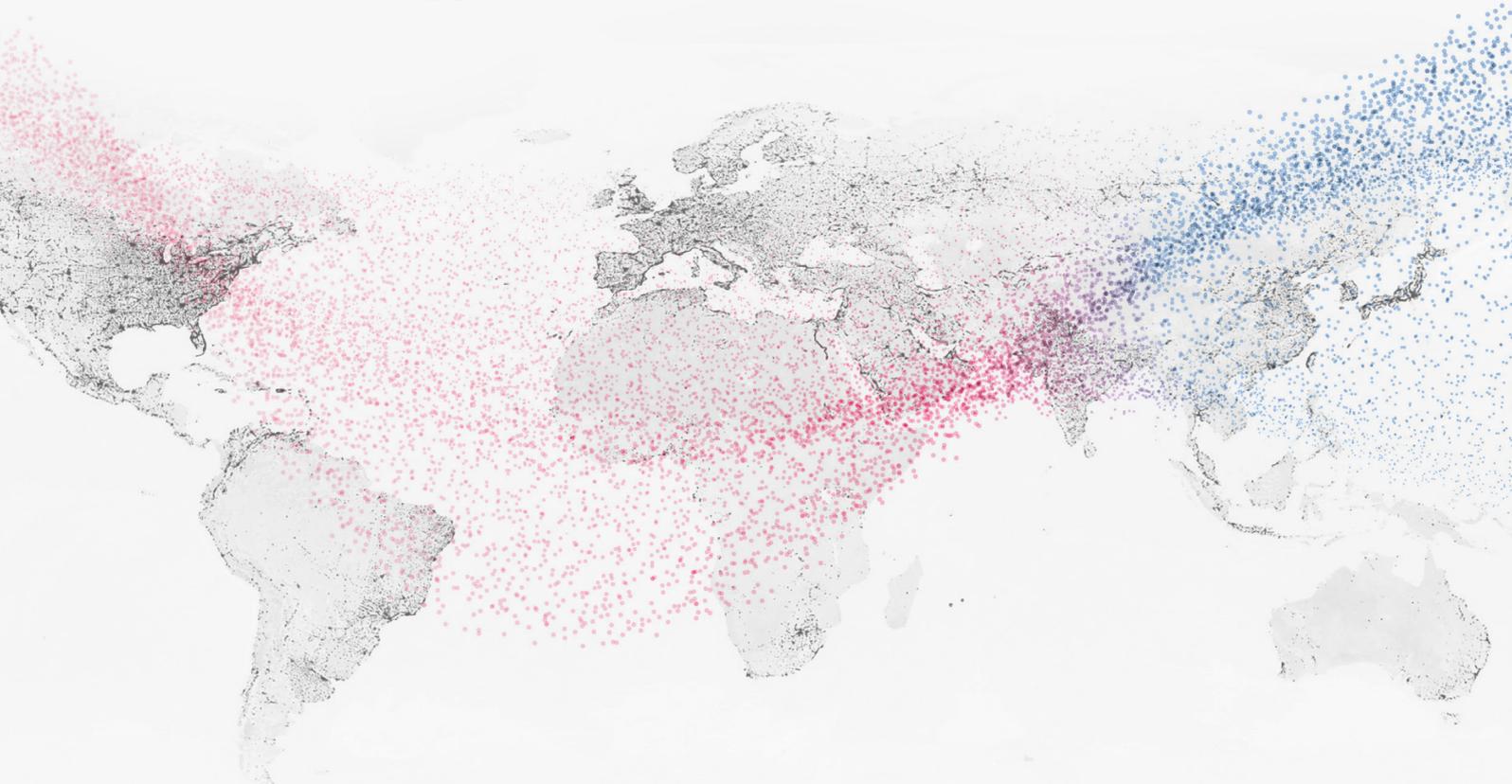
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The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



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



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