

## gBat

### NH 1000V DC

fuse links



**PROTECTING  
THE WORLD**

## Range

NH1

RATED VOLTAGE  
1000V DC

RATED CURRENT  
40A...160A

BREAKING CAPACITY  
100kA



$I_n$ (A)	REFERENCE	PACKING Uni /BOX
40	<b>367225</b>	1/30
50	<b>367230</b>	1/30
63	<b>367235</b>	1/30
80	<b>367240</b>	1/30
100	<b>367245</b>	1/30
125	<b>367250</b>	1/30
160	<b>367255</b>	1/30

NH3

RATED VOLTAGE  
1000V DC

RATED CURRENT  
200A...400A

BREAKING CAPACITY  
100kA



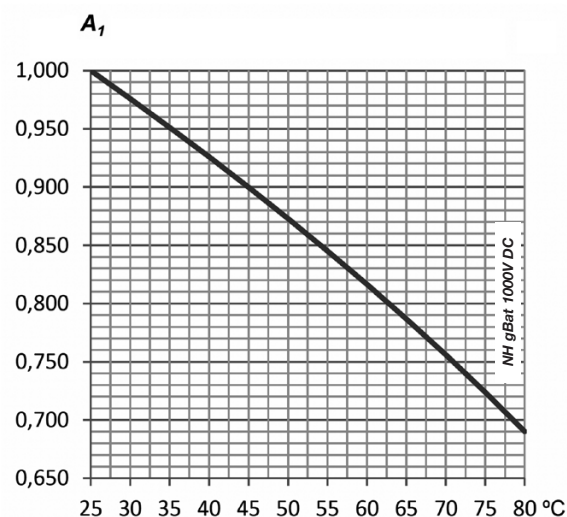
$I_n$ (A)	REFERENCE	PACKING Uni /BOX
200	<b>367425</b>	1/15
250	<b>367435</b>	1/15
315	<b>367445</b>	1/15
355	<b>367450</b>	1/15
400	<b>367455</b>	1/15

## Technical data

<b>Rated voltage</b>	1000V DC L/R ≤ 3ms
<b>Rated current</b>	40A...400A
<b>Rated breaking capacity</b>	100kA
<b>Utilization category</b>	gBat
<b>Storage temperature</b>	-40°C ... 90°C
<b>Operating temperature *</b>	-40°C ... 80°C

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

## Ambient temperature derating factor



## Materials

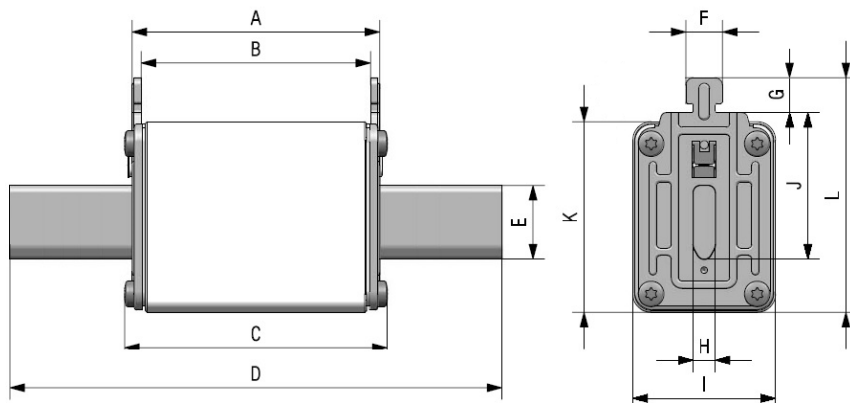
<b>Body</b>	Steatite C221
<b>Contact blades</b>	Copper or brass (silver plated)
<b>Plates</b>	Aluminium
<b>Screws</b>	Zinc plated steel

## Standards

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

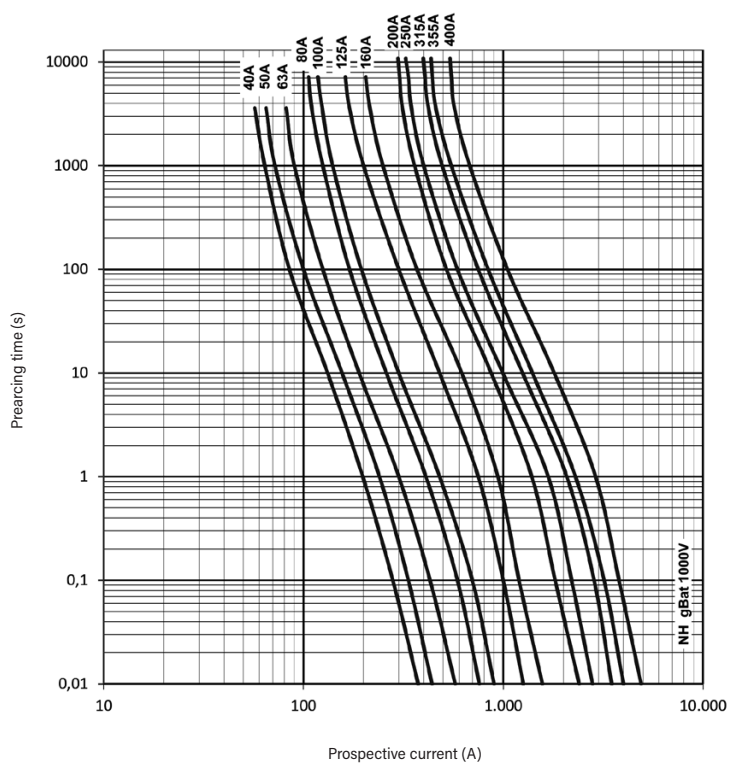


## Dimensions

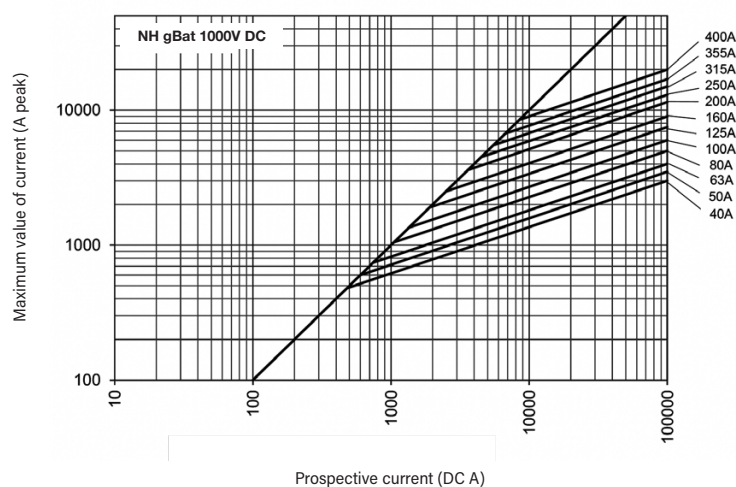


	A	B	C	D	E	F	G	H	I	J	K	L	Weight
NH1	68	62	71,5	135	20	10	9,5	6	39	40	52	64	380 gr
NH3	68	62	73	150	32	10	9,5	6	70	60	75	87	1,02 kg

## t-I characteristics



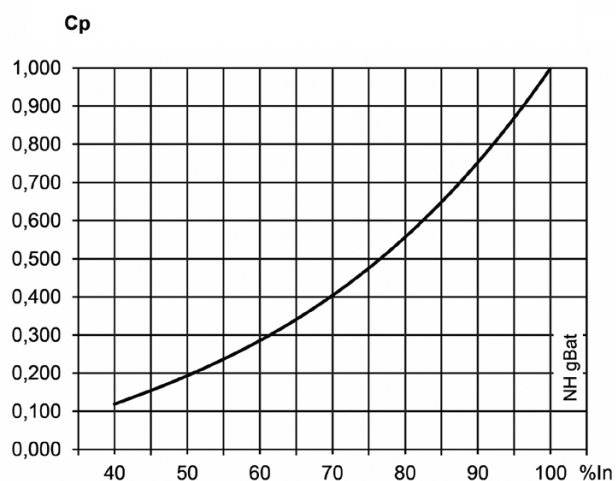
## Cut-off characteristics



## Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS $0,8 \cdot I_n$ (W)	POWER LOSS $I_n$ (W)	PREARcing $I^2t$ (A <sup>2</sup> s)	OPERATING $I^2t$ at $U_n$ (A <sup>2</sup> s)
NH1	40	4	7	340	715
	50	4,9	8,6	560	1180
	63	6,2	11	995	2100
	80	7,4	13	1770	3720
	100	9,9	17,8	2770	5820
	125	10,2	18	5420	11400
	160	12,9	22,9	11070	23260
NH3	200	15	26	21140	36975
	250	20,8	35,6	31580	55240
	315	25,4	46	47570	83200
	355	26,7	46,9	71060	124280
	400	28	50	104400	182600

## Correction factor for power loss







# PROTECTING THE WORLD

## HEAD OFFICE AND FACTORY

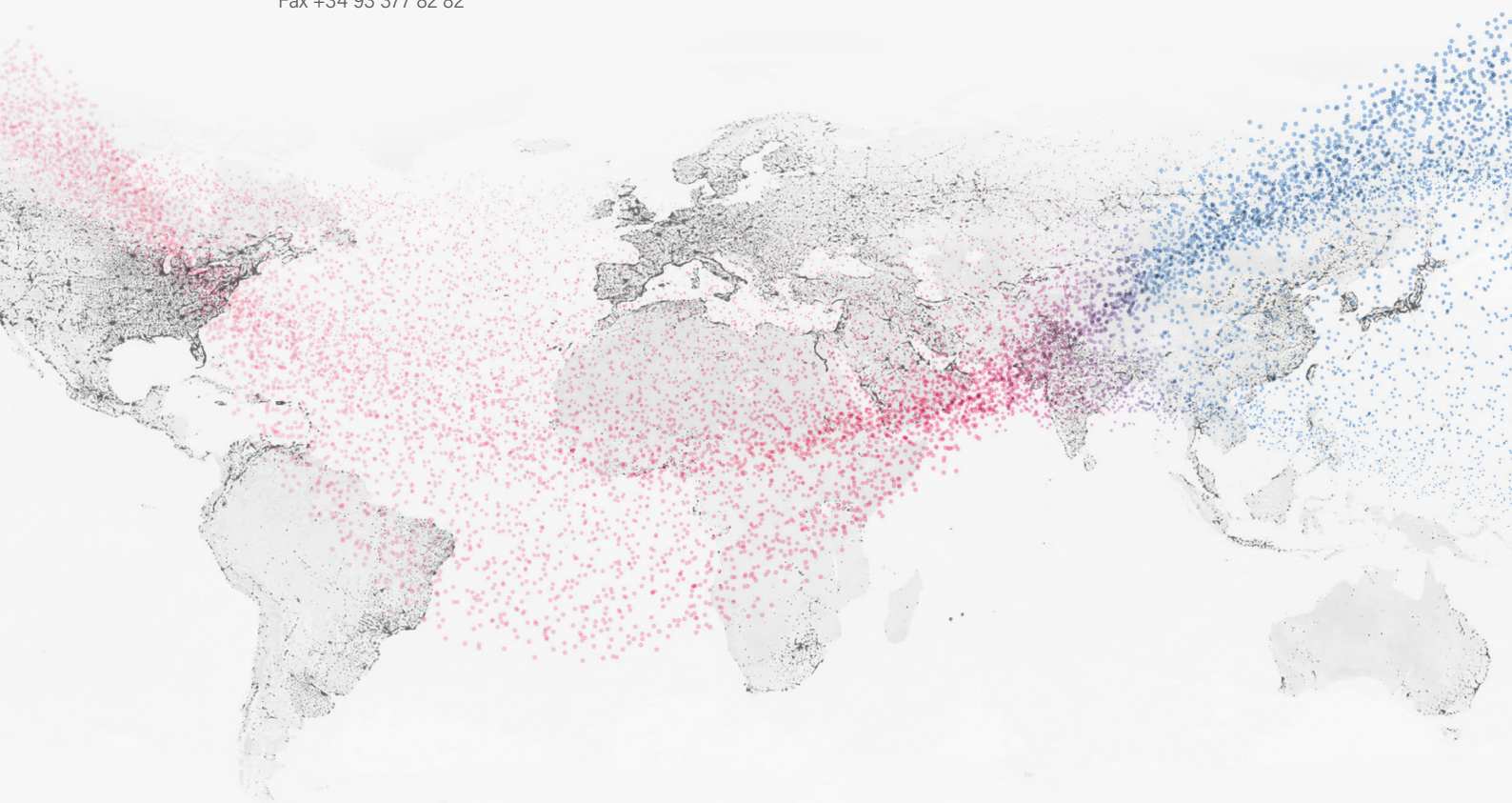
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The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



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



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



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