

gBat

NH 1000V DC

fuse links

NH gBat



NH1

NH3

**PROTECTING
THE WORLD**

NH1

RATED VOLTAGE
1000V DC

RATED CURRENT
40A...160A

BREAKING CAPACITY
100kA



Range

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

NH3

RATED VOLTAGE
1000V DC

RATED CURRENT
200A...400A

BREAKING CAPACITY
100kA



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

Technical data

Rated voltage	1000V DC L/R ≤ 3ms
Rated current	40A...400A
Rated breaking capacity	100kA
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

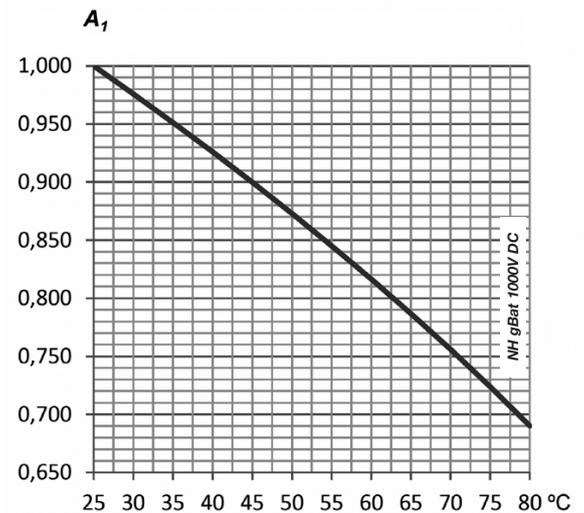
Body	Steatite C221
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

Standards

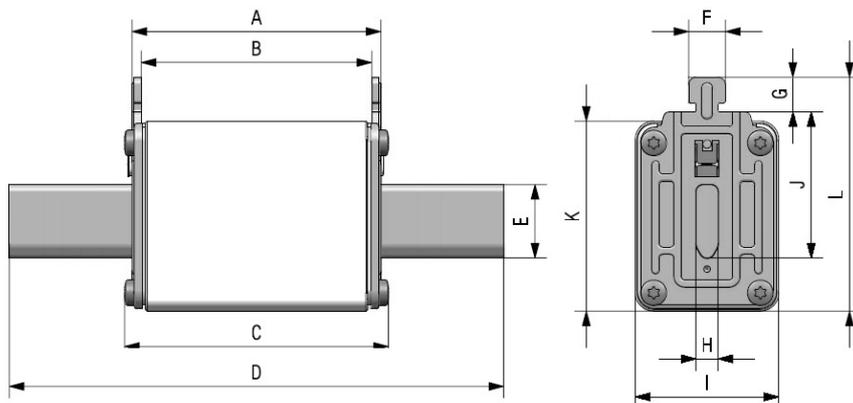
IEC/EN 60269-1
IEC 60269-7 (draft)
RoHS Compliant



Ambient temperature derating factor

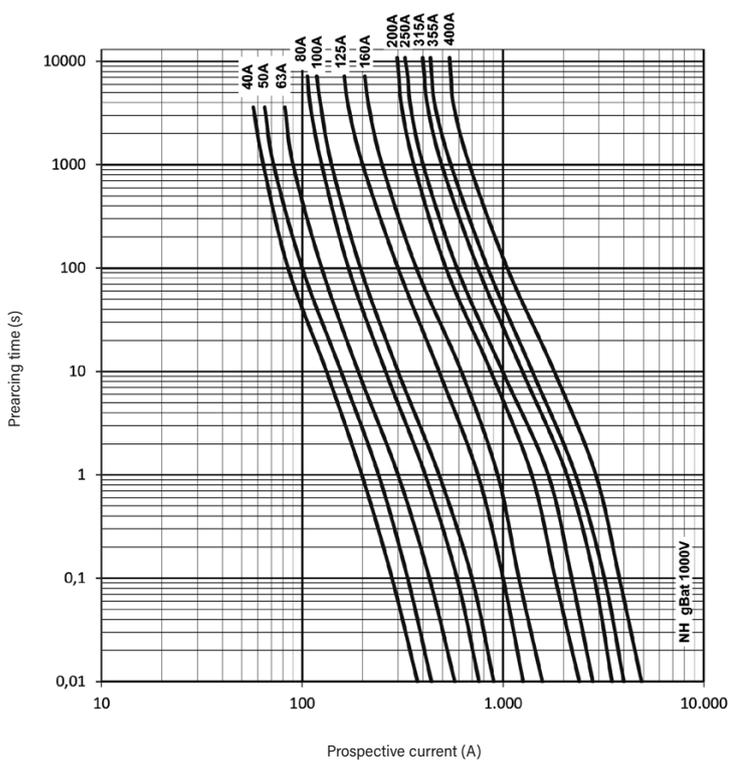


Dimensions

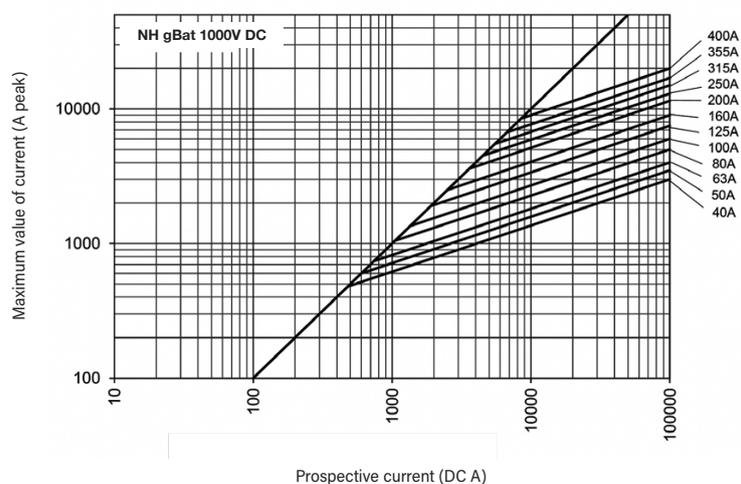


	A	B	C	D	E	F	G	H	I	J	K	L	Weight
NH1	68	62	71,5	135	20	10	9,5	6	39	40	52	64	380 gr
NH3	68	62	73	150	32	10	9,5	6	70	60	75	87	1,02 kg

t-I characteristics



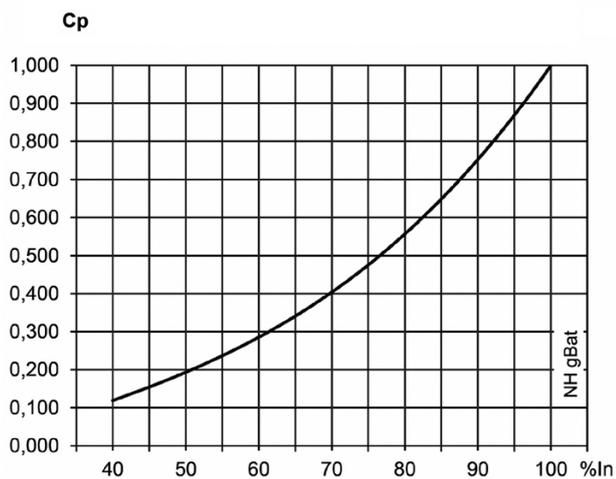
Cut-off characteristics

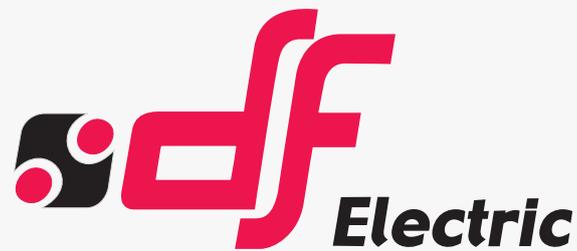


Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS $0,8 \cdot I_n$ (W)	POWER LOSS I_n (W)	PREARcing I^2t (A ² s)	OPERATING I^2t at U_n (A ² 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

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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.

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