

HelioProtection® NH fuse-links 800VAC

NH 800VAC gS

SPECIAL PURPOSE FUSES

PHOTOVOLTAIC FUSES



Mersen NH fuse-links 800VAC was engineered and designed specifically for photovoltaic systems. gS types are full range breaking capacity fuse-links and are used to protect cables and equipment. They can interrupt any fault current, from overloads up to their breaking capacity, and so can be used alone as protection. They are the perfect solution of protection when used with DC/800VAC Solar inverters.

This fuse range is offered along with Mersen 800VAC Fuse-switch-disconnectors, for a complete fuse-system protection.

TECHNICAL DATA OVERVIEW

Voltage AC	800 VAC
Ampere Range (A)	16... 63 A
Size per Standard	NH00 and NH000
Speed/Characteristic	gS
I.R. AC (IEC)	90 kA

FEATURES & BENEFITS

- Low fault current interrupting capability
- Temperature cycle withstand capability
- Durable construction for enhanced system longevity
- High efficiency with low power losses
- Available in two versions: Plain Blade & Direct Mounting

APPLICATIONS

- General purpose cable and line protection at 800VAC
- Solar installation AC combiner box

STANDARDS

- IEC 60269-4
- RoHS compliance



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PRODUCT RANGE

NH gS 800VAC Size 00



Catalog number	Item number	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Power dissipation at I_n	Power dissipation at $0.7 \times I_n$	Width	Package	Weight
NH00GS80V32	L1213030	32 A	2475 kA ² s	51840 kA ² s	3.1 W	1.3 W	30 mm	3	0.2 kg
NH00GS80V40	M1213031	40 A	3971 kA ² s	83174 kA ² s	3.9 W	1.6 W	30 mm	3	0.2 kg
NH00GS80V50	N1213032	50 A	6336 kA ² s	132710 kA ² s	4.9 W	2 W	30 mm	3	0.2 kg
NH00GS80V63	P1213033	63 A	7436 kA ² s	155750 kA ² s	6.2 W	2.5 W	30 mm	3	0.2 kg

NH gS 800VAC Size 000



Catalog number	Item number	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Power dissipation at I_n	Power dissipation at $0.7 \times I_n$	Width	Package	Weight
NH000GS80V16	H1213027	16 A	8.16 kA ² s	95.9 kA ² s	4.2 W	1.7 W	21 mm	3	0.12 kg
NH000GS80V20	J1213028	20 A	9.68 kA ² s	113.8 kA ² s	5.5 W	2.3 W	21 mm	3	0.12 kg
NH000GS80V25	W1213775	25 A	17.05 kA ² s	205.6 kA ² s	7.5 W	3.1 W	21 mm	3	0.12 kg
NH000GS80V32	K1213029	32 A	38.72 kA ² s	455 kA ² s	9.1 W	3.7 W	30 mm	3	0.12 kg

NH Fuse handle for NH fuse links size 00-4



08024.000000

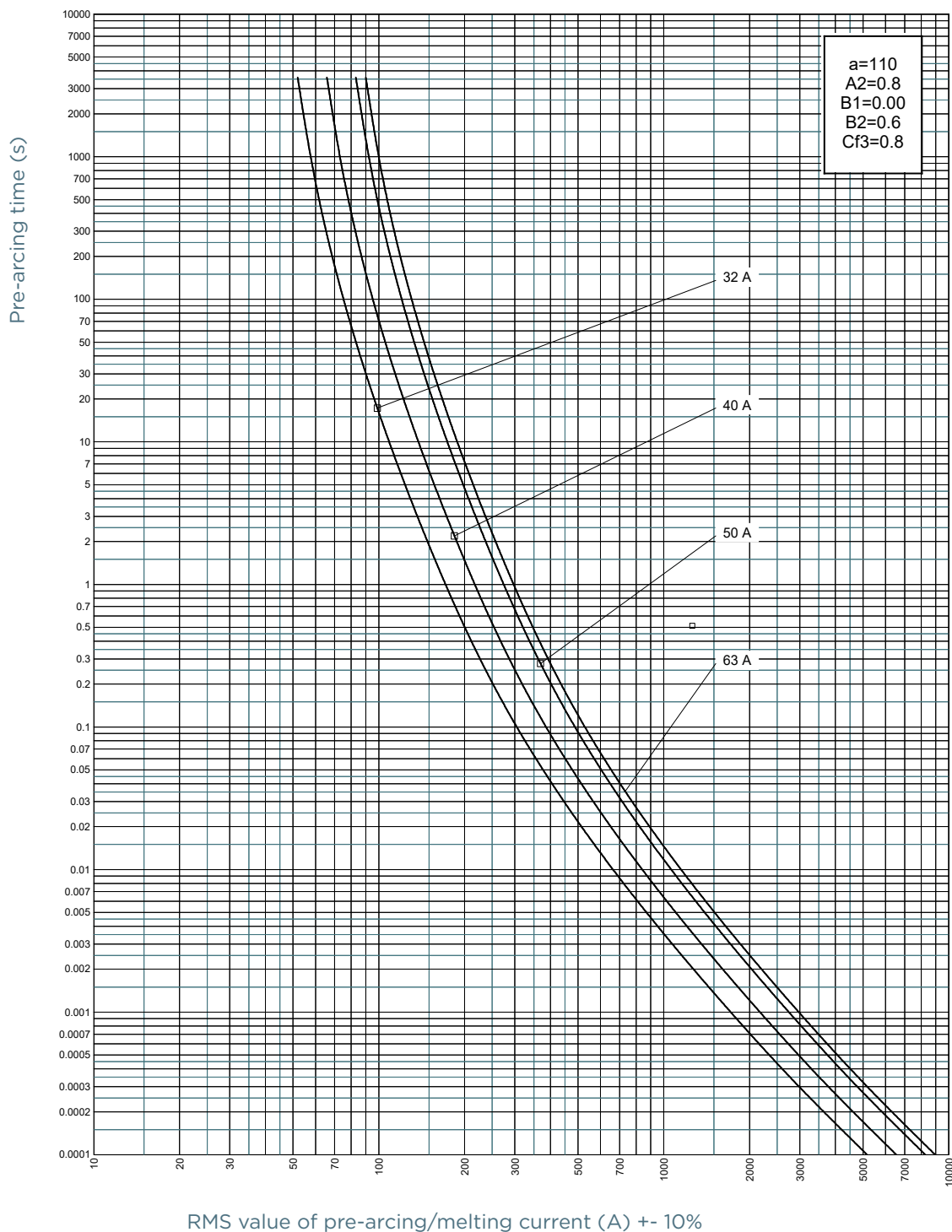
Catalog number	Item number	Size	Design	Package	Weight
08024.000000	X216105	00 to 4	with fire proof arm protection to DIN VDE 0636-2, DIN VDE 608-4	1	0.54 kg
NHHANDLE	P215592	00 to 4	without arm protection to DIN VDE 0636-2, DIN VDE 608-4	5	0.28 kg



NHHANDLE

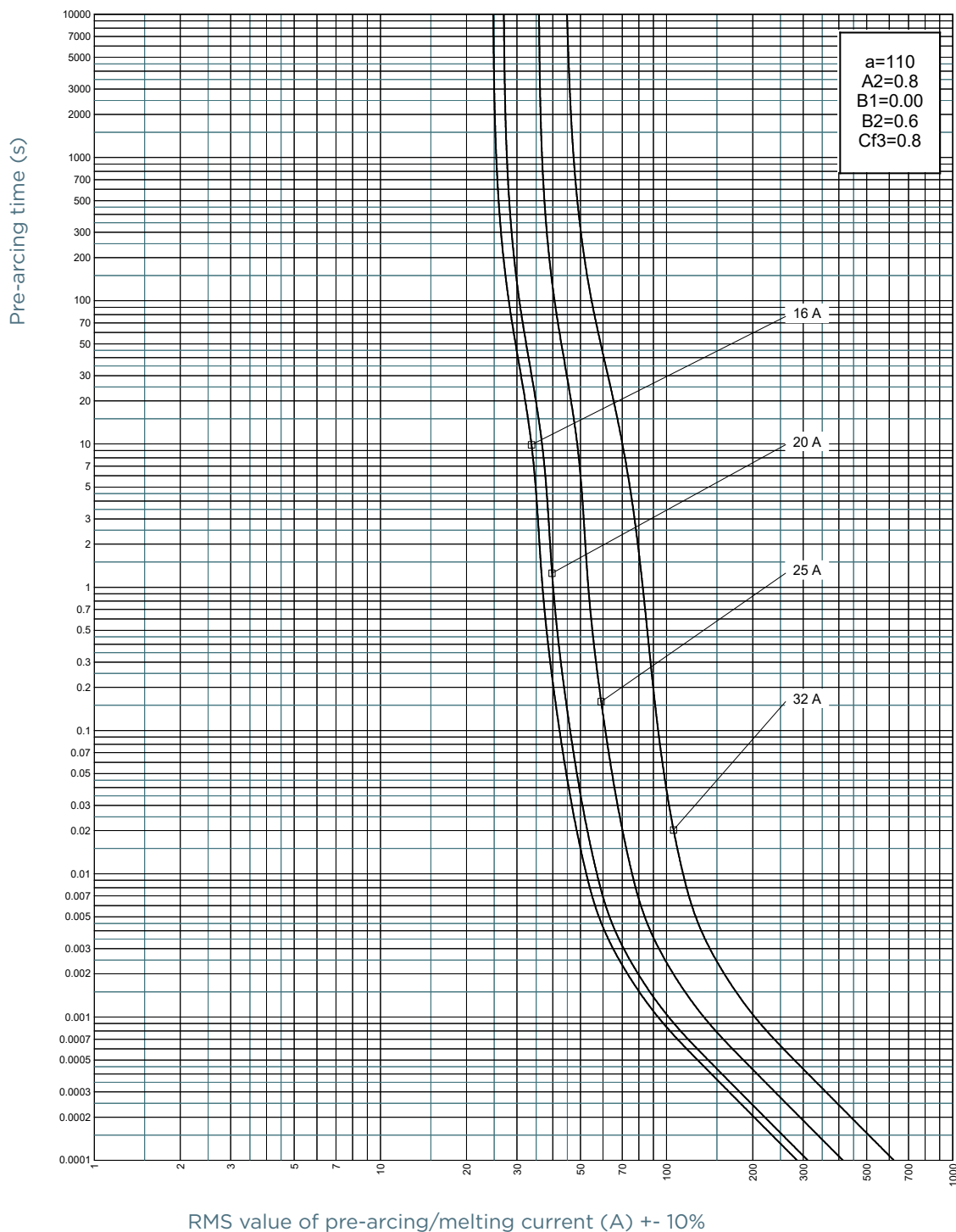
TIME CURRENT CHARACTERISTIC CURVES

Special purpose gS fuse link NH00 800V 32A-63A



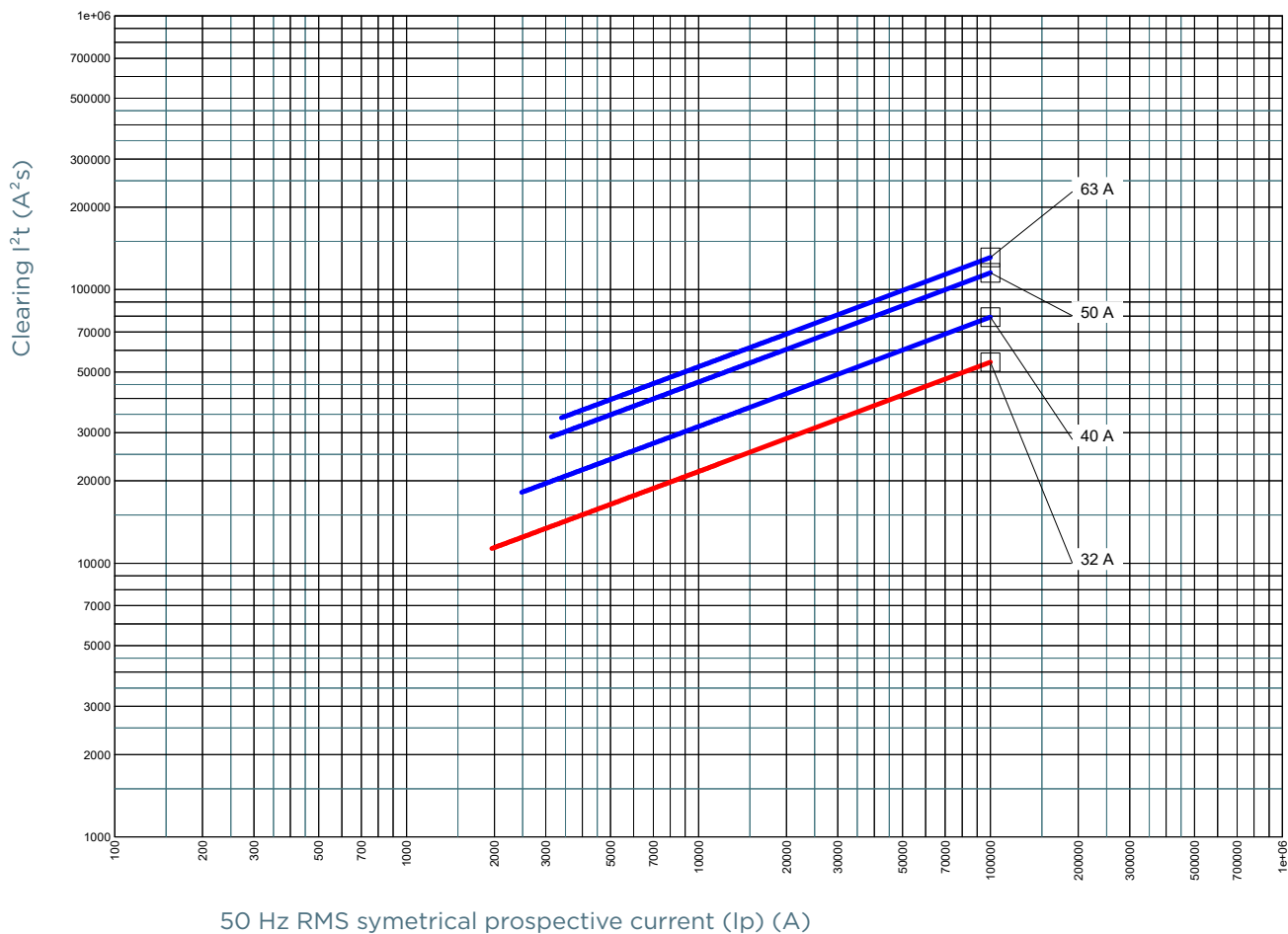
TIME CURRENT CHARACTERISTIC CURVES

Special purpose gS fuse link NH000 800V 16A-32A



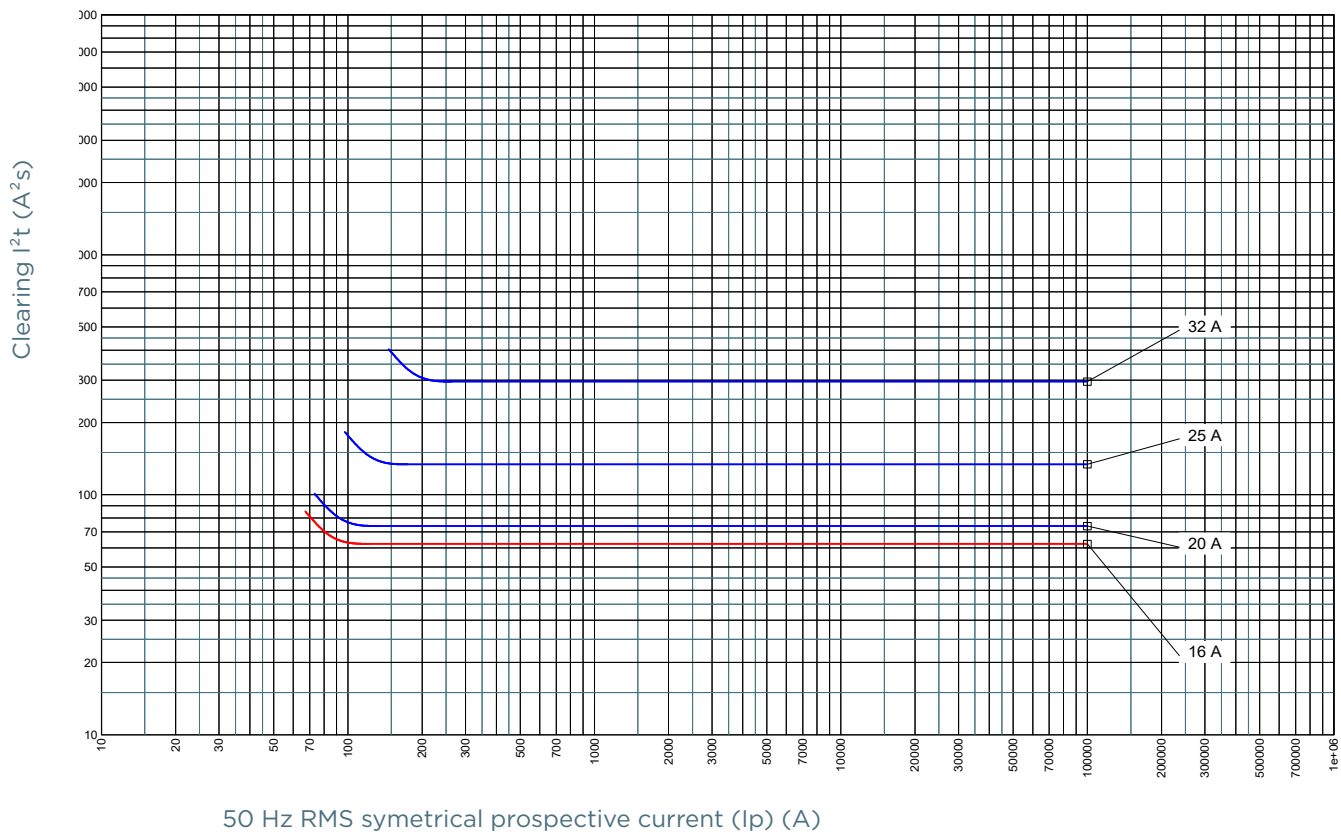
CHARACTERISTICS TOTAL I²T CURVE

NH gS 800VAC Size 00



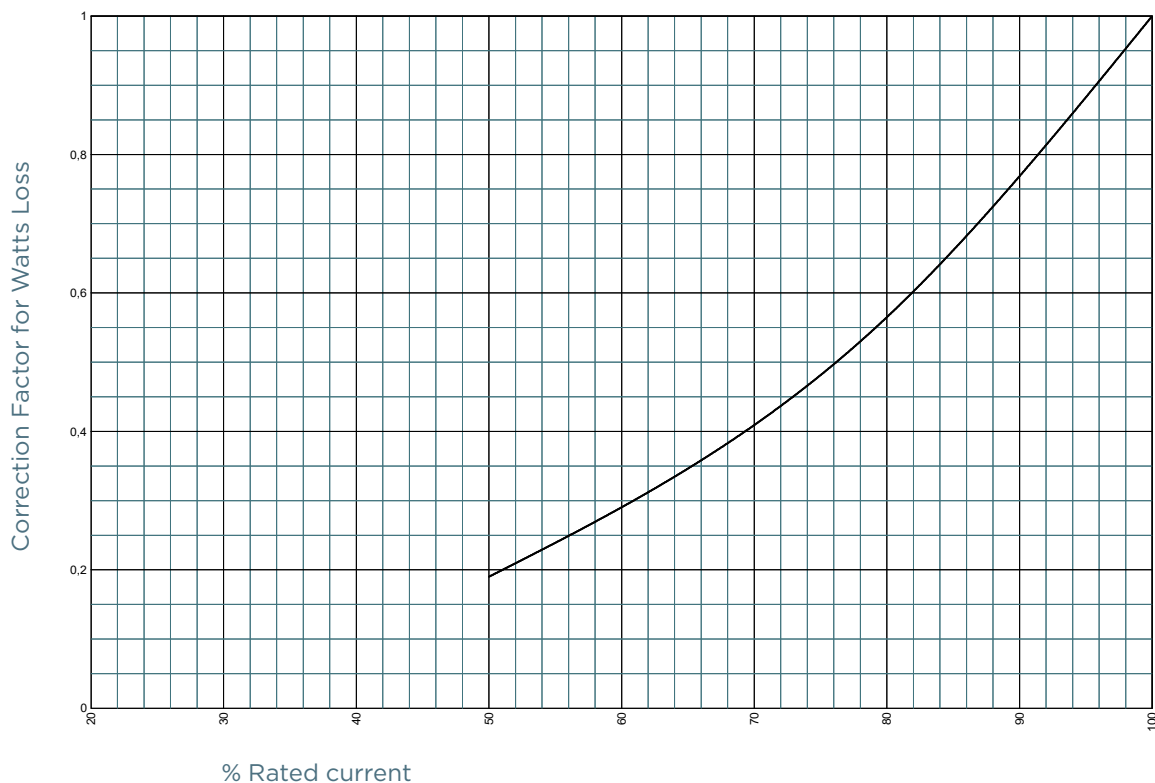
CHARACTERISTICS TOTAL I²T CURVE

NH gS 800VAC Size 000

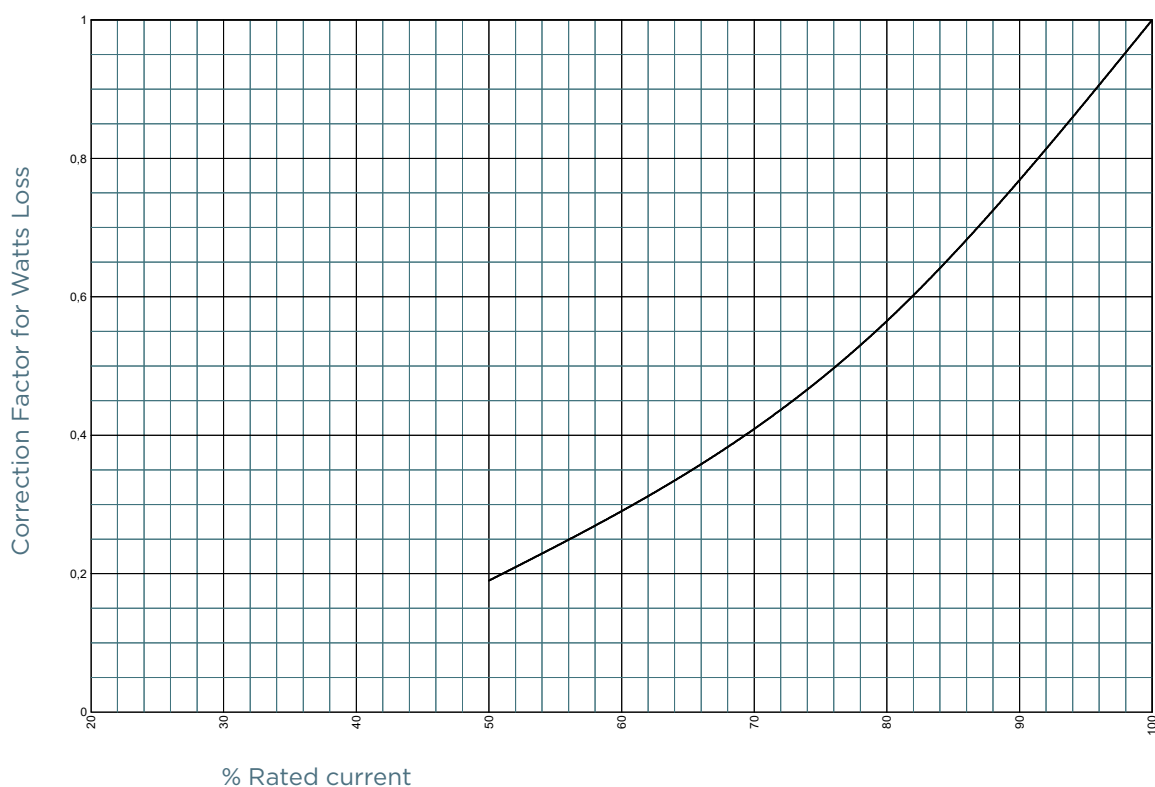


POWER DISSIPATION

NH gS 800VAC Size 00



NH gS 800VAC Size 000

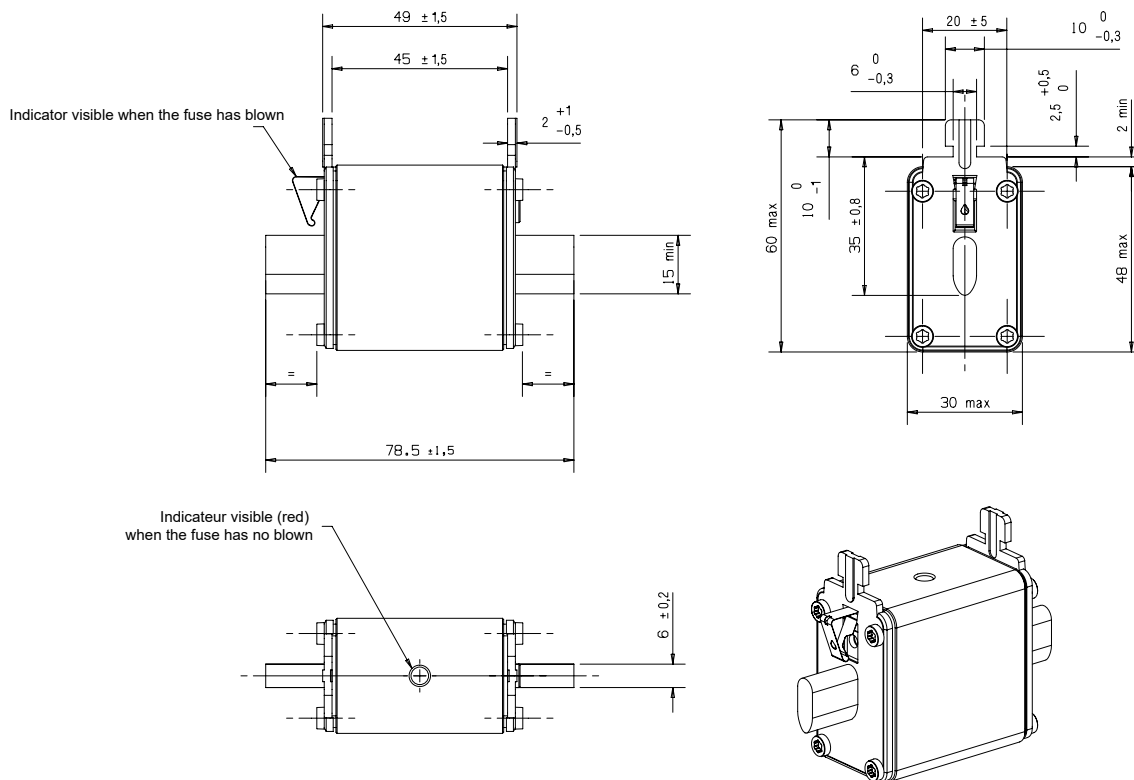


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DIMENSIONS

NH gS 800VAC Size 00



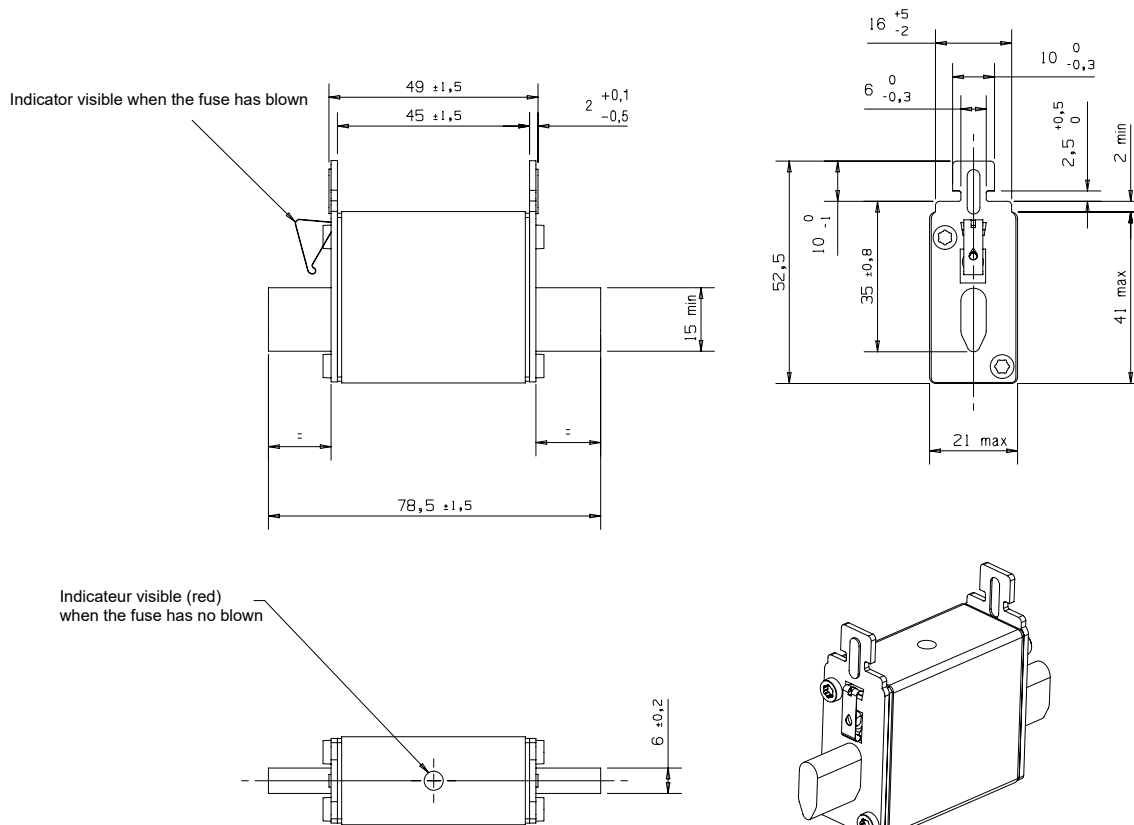
Dimensions in mm

HelioProtection® NH fuse-links 800VAC

NH 800VAC gS

DIMENSIONS

NH gs 800VAC Size 000



Dimensions in mm