NH fuse-links gG 500VAC

double indicator/insulated tags size 000, 00, 0, 1, 2, 3

LOW VOLTAGE IEC FUSES

IEC NH FUSE-LINKS



The NH system is classified among plug-in fuse systems and is composed of:

- fuse-base (possibly including terminal covers and phase barriers)
- fuse-link with blade contact
- fuse-link replacement device (LV HRC fuse puller)

Since the design of this system cannot guarantee non-interchangeability of rated current it must be handled by a qualified professional.

Type “gG” NH fuse-links are full range breaking capacity fuse-links and are used to protect cables and equipment. They can interrupt any current surge, from the lowest fusing current up to their breaking capacity, and so can be used alone as protection. They also protect electrical devices and industrial set-ups from the electrodynamic effects of very high short-circuit currents.

TECHNICAL DATA OVERVIEW

Voltage AC	500 VAC
Ampere Range (A)	2 ... 630 A
Size per Standard	Size 000 to 3
Speed/Characteristic	gG
I.R. AC	120 kA
Body Material	ceramic
Contact Materials	copper, silver-plated

FEATURES & BENEFITS

- Dimensions according to DIN 43 620 Parts 1 to 4
- Isolated metal gripping lugs (SGL)
- Double indicator
- Lead free contact blades
- 0% cadmium

APPLICATIONS

- gG: general purpose cable and line protection

STANDARDS

- VDE 0636 Part 201
- IEC 60269-1 and -2

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PRODUCT RANGE

Size 000

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH000GG50V2-1	C219652	500 V	2 A	1.9 W	20.8 mm	0.13 kg	3
NH000GG50V4-1	N205770	500 V	4 A	1.5 W	20.8 mm	0.13 kg	3
NH000GG50V6-1	P212464	500 V	6 A	1.6 W	20.8 mm	0.13 kg	3
NH000GG50V10-1	V215528	500 V	10 A	1.1 W	20.8 mm	0.13 kg	3
NH000GG50V16-1	F213997	500 V	16 A	1.8 W	20.8 mm	0.13 kg	9
NH000GG50V20-1	F218091	500 V	20 A	2.3 W	20.8 mm	0.13 kg	9
NH000GG50V25-1	K200638	500 V	25 A	2.4 W	20.8 mm	0.13 kg	9
NH000GG50V32-1	D213489	500 V	32 A	3.1 W	20.8 mm	0.13 kg	9
NH000GG50V35-1	G201187	500 V	35 A	3 W	20.8 mm	0.13 kg	9
NH000GG50V40-1	D219653	500 V	40 A	3.7 W	20.8 mm	0.13 kg	9
NH000GG50V50-1	C222849	500 V	50 A	4.1 W	20.8 mm	0.13 kg	9
NH000GG50V63-1	R212466	500 V	63 A	5.4 W	20.8 mm	0.13 kg	9
NH000GG50V80-1	N215016	500 V	80 A	6.5 W	20.8 mm	0.13 kg	9
NH000GG50V100-1	J201189	500 V	100 A	7.5 W	20.8 mm	0.13 kg	9



NH00GG50V125-1

Size 00

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH00GG50V125-1	V200808	500 V	125 A	10 W	29.5 mm	0.2 kg	3
NH00GG50V160-1	W201867	500 V	160 A	12.3 W	29.5 mm	0.2 kg	3

Size 0

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH0GG50V6-1	B212636	500 V	6 A	1.6 W	29.5 mm	0.23 kg	3
NH0GG50V10-1	M213152	500 V	10 A	1.1 W	29.5 mm	0.23 kg	3
NH0GG50V16-1	E213651	500 V	16 A	1.8 W	29.5 mm	0.23 kg	3
NH0GG50V20-1	L214163	500 V	20 A	2.3 W	29.5 mm	0.23 kg	3
NH0GG50V25-1	P214672	500 V	25 A	2.4 W	29.5 mm	0.23 kg	3
NH0GG50V32-1	V215183	500 V	32 A	3.1 W	29.5 mm	0.23 kg	3
NH0GG50V35-1	W215690	500 V	35 A	3 W	29.5 mm	0.23 kg	3
NH0GG50V40-1	C216202	500 V	40 A	3.7 W	29.5 mm	0.23 kg	3
NH0GG50V50-1	A216706	500 V	50 A	4.1 W	29.5 mm	0.23 kg	3
NH0GG50V63-1	N217224	500 V	63 A	6.6 W	29.5 mm	0.23 kg	3
NH0GG50V80-1	T217735	500 V	80 A	8 W	29.5 mm	0.23 kg	3
NH0GG50V100-1	D218250	500 V	100 A	9.4 W	29.5 mm	0.23 kg	3
NH0GG50V125-1	S218769	500 V	125 A	11.8 W	29.5 mm	0.23 kg	3
NH0GG50V160-1	F219287	500 V	160 A	14.6 W	29.5 mm	0.23 kg	3

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PRODUCT RANGE



NH1GG50V16-1

Size 1

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH1GG50V16-1	H219818	500 V	16 A	1.8 W	29.5 mm	0.28 kg	3
NH1GG50V20-1	T222496	500 V	20 A	2.3 W	29.5 mm	0.28 kg	3
NH1GG50V25-1	K223017	500 V	25 A	2.4 W	29.5 mm	0.28 kg	3
NH1GG50V32-1	R200805	500 V	32 A	3.1 W	29.5 mm	0.28 kg	3
NH1GG50V35-1	G201348	500 V	35 A	3 W	29.5 mm	0.28 kg	3
NH1GG50V40-1	Q211085	500 V	40 A	3.7 W	29.5 mm	0.28 kg	3
NH1GG50V50-1	L212116	500 V	50 A	4.1 W	29.5 mm	0.28 kg	3
NH1GG50V63-1	N213153	500 V	63 A	6.6 W	29.5 mm	0.28 kg	3
NH1GG50V80-1	M214164	500 V	80 A	8 W	29.5 mm	0.28 kg	3
NH1GG50V100-1	W215184	500 V	100 A	9.4 W	29.5 mm	0.28 kg	3
NH1GG50V125-1	T236043	500 V	125 A	11.8 W	29.5 mm	0.28 kg	3
NH1GG50V160-1	B216707	500 V	160 A	14.6 W	39.5 mm	0.42 kg	3
NH1GG50V200-1	P217225	500 V	200 A	18 W	39.5 mm	0.42 kg	3
NH1GG50V224-1	V217736	500 V	224 A	19 W	39.5 mm	0.42 kg	3
NH1GG50V250-1	E218251	500 V	250 A	20 W	39.5 mm	0.42 kg	3



NH2GG50V250-1

Size 2

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH2GG50V25-1	J219819	500 V	25 A	2.4 W	39.5 mm	0.42 kg	3
NH2GG50V32-1	V222497	500 V	32 A	3.1 W	39.5 mm	0.42 kg	3
NH2GG50V35-1	L223018	500 V	35 A	3 W	39.5 mm	0.42 kg	3
NH2GG50V40-1	S200806	500 V	40 A	3.7 W	39.5 mm	0.42 kg	3
NH2GG50V50-1	H201349	500 V	50 A	4.1 W	39.5 mm	0.42 kg	3
NH2GG50V63-1	T201865	500 V	63 A	6.8 W	39.5 mm	0.42 kg	3
NH2GG50V80-1	F211605	500 V	80 A	8.3 W	39.5 mm	0.42 kg	3
NH2GG50V100-1	P213154	500 V	100 A	10.7 W	39.5 mm	0.42 kg	3
NH2GG50V125-1	N214165	500 V	125 A	12.2 W	39.5 mm	0.42 kg	3
NH2GG50V160-1	X215185	500 V	160 A	15 W	39.5 mm	0.42 kg	3
NH2GG50V200-1	E216204	500 V	200 A	18.5 W	39.5 mm	0.42 kg	3
NH2GG50V224-1	Q217226	500 V	224 A	19.2 W	39.5 mm	0.42 kg	3
NH2GG50V250-1	F218252	500 V	250 A	20.6 W	39.5 mm	0.42 kg	3
NH2GG50V300-1	H219289	500 V	300 A	21 W	51 mm	0.64 kg	3
NH2GG50V315-1	K219820	500 V	315 A	25 W	51 mm	0.65 kg	3
NH2GG50V355-1	M223019	500 V	355 A	31.5 W	51 mm	0.66 kg	3
NH2GG50V400-1	T200807	500 V	400 A	28.5 W	51 mm	0.67 kg	3



NH3GG50V630-1

Size 3

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I_n	Power dissipation at In	Width	Weight	Package
NH3GG50V250-1	J201350	500 V	250 A	21.1 W	51 mm	0.65 kg	1
NH3GG50V300-1	S211087	500 V	300 A	20 W	51 mm	0.65 kg	1
NH3GG50V315-1	G211606	500 V	315 A	25 W	51 mm	0.65 kg	1
NH3GG50V355-1	E212639	500 V	355 A	32 W	51 mm	0.65 kg	1
NH3GG50V400-1	H213654	500 V	400 A	34 W	51 mm	1.05 kg	1
NH3GG50V425-1	S214675	500 V	425 A	34 W	70 mm	1.05 kg	1
NH3GG50V450-1	Z215693	500 V	450 A	38 W	70 mm	1.05 kg	1
NH3GG50V500-1	F216205	500 V	500 A	43 W	70 mm	1.05 kg	1
NH3GG50V630-1	D216709	500 V	630 A	43.1 W	70 mm	1.05 kg	1

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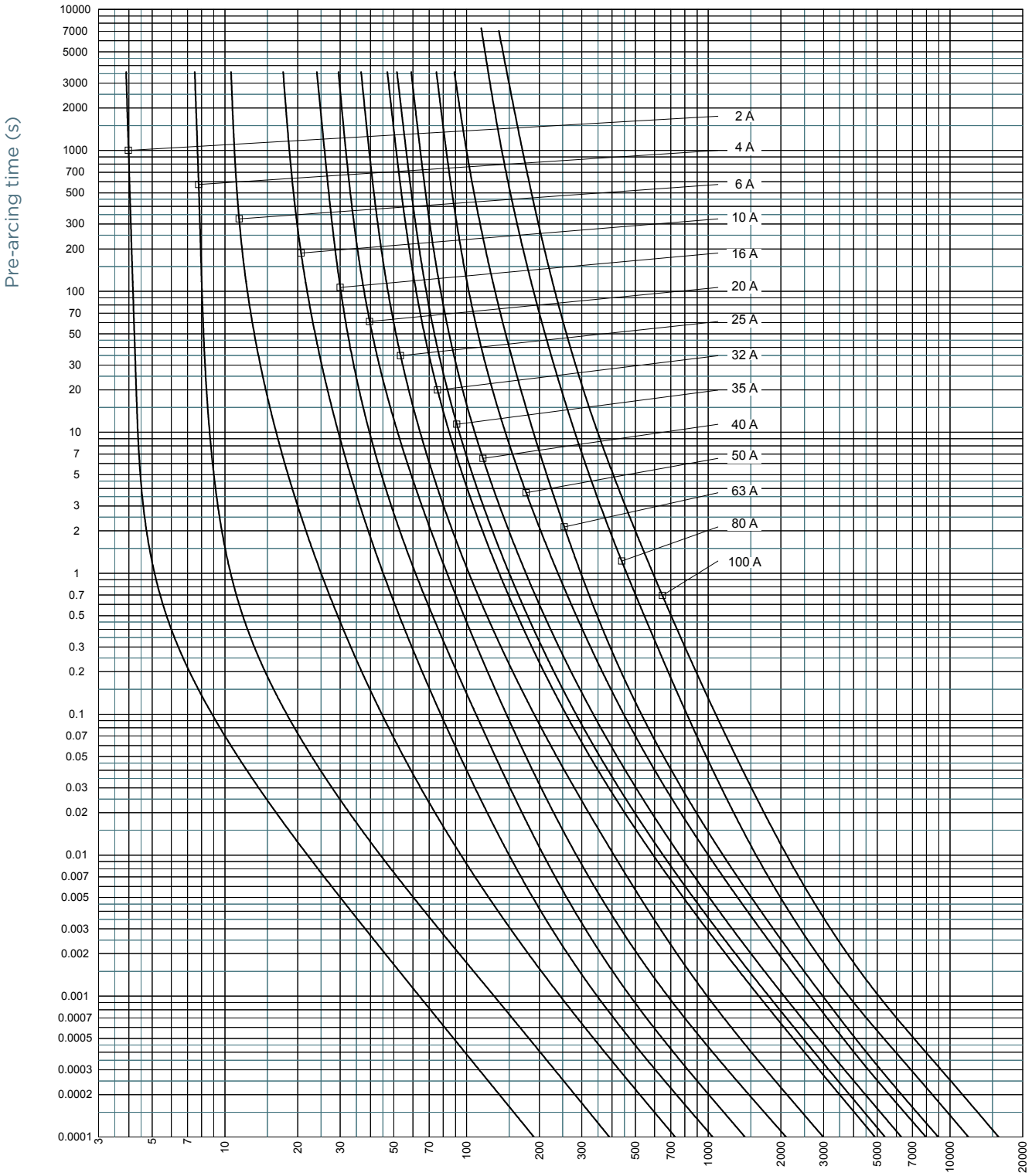
TECHNICAL DATA

	Size 000	Size 00	Size 0	Size 1	Size 2	Size 3
Rated current	2 ... 100 A	125 ... 160 A	6 ... 160 A	16 ... 250 A	25 ... 400 A	250 ... 630 A
Rated breaking capacity AC	120 kA	120 kA	120 kA	120 kA	120 kA	120 kA
Rated voltage AC	500 V	500 V	500 V	500 V	500 V	500 V
Indication System	double indicator	double indicator	double indicator	double indicator	double indicator	double indicator
Width	21 mm	30 mm	30 mm	40 mm	52 mm	72 mm

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TIME CURRENT CHARACTERISTIC CURVES

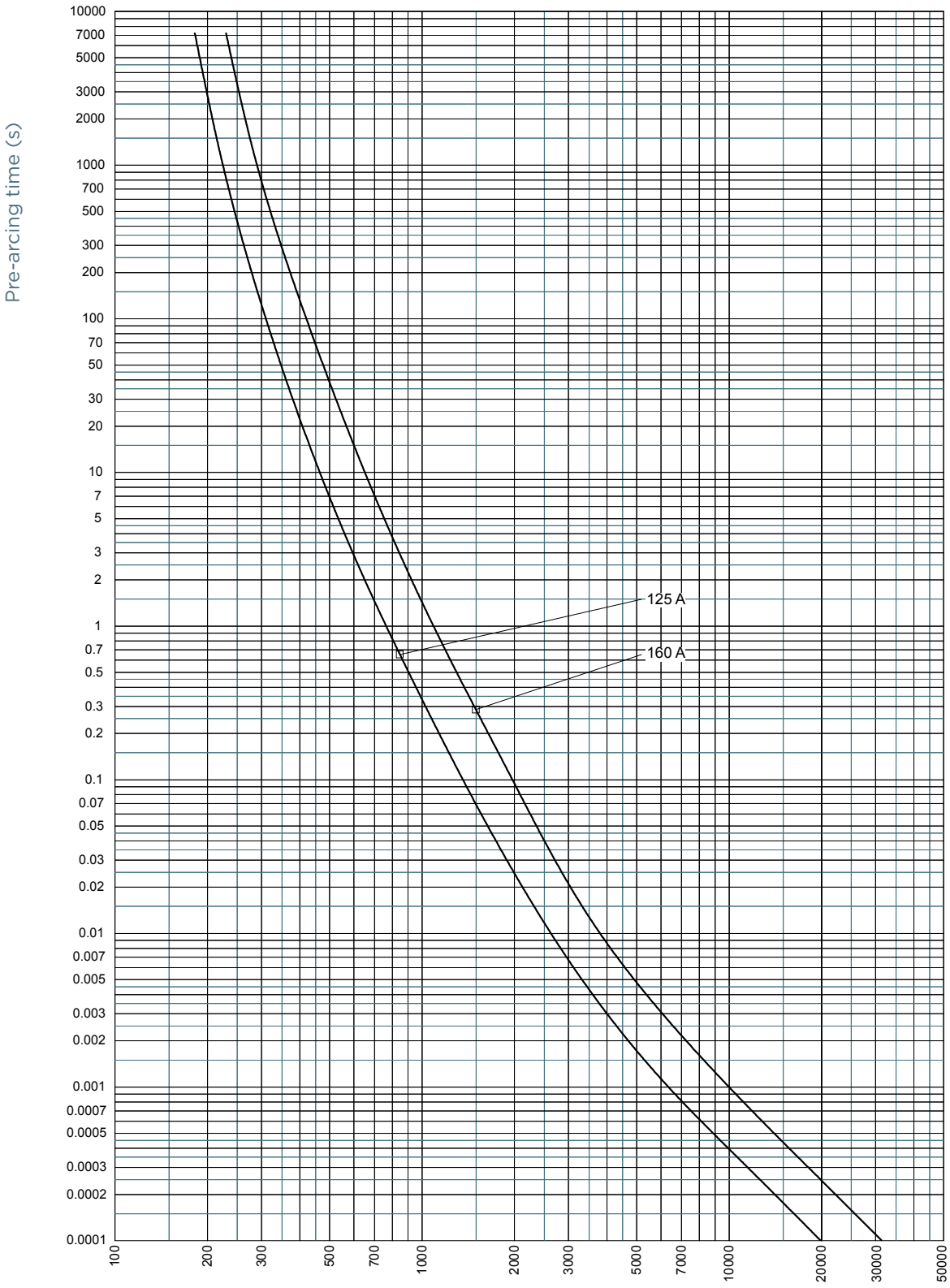
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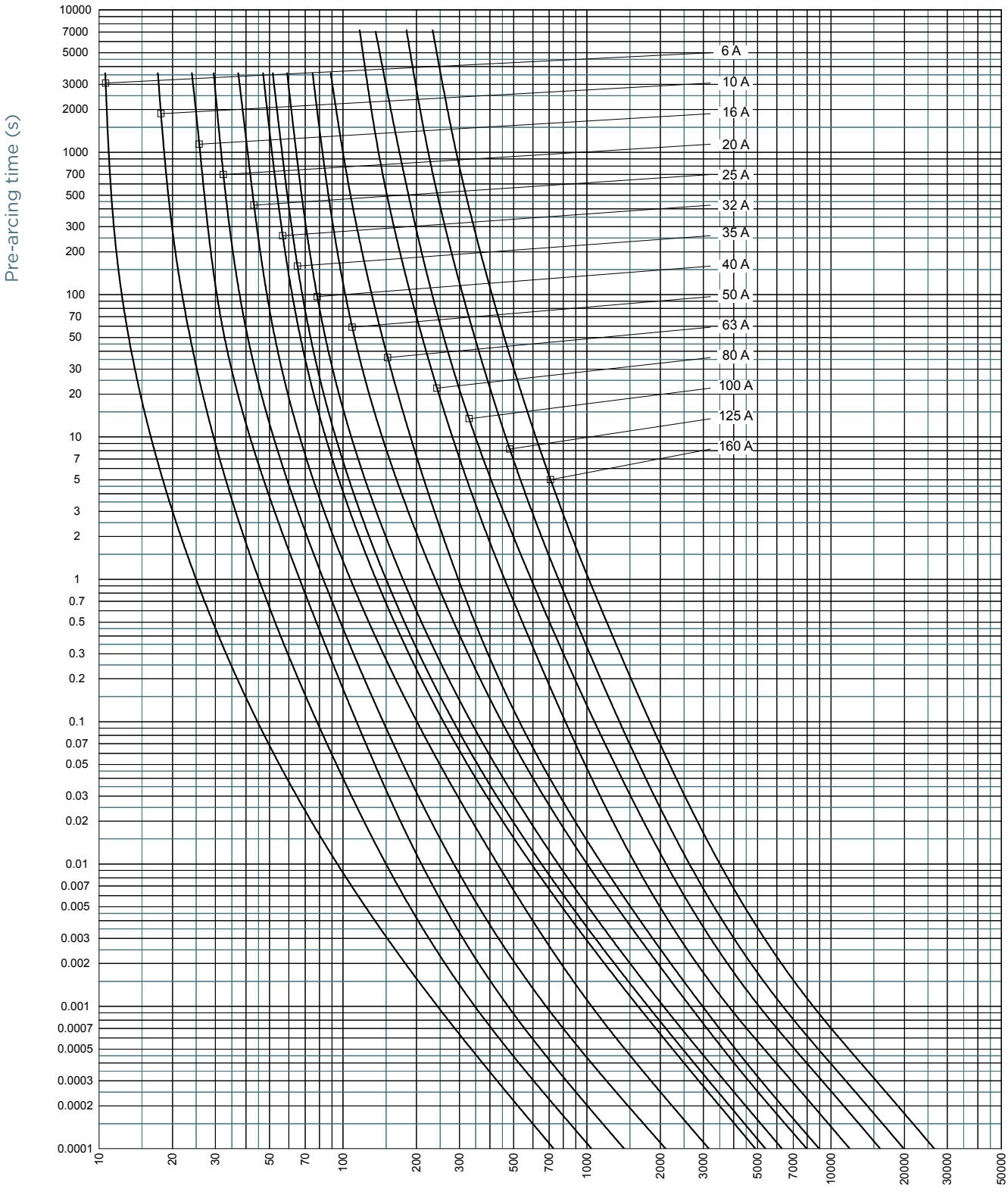
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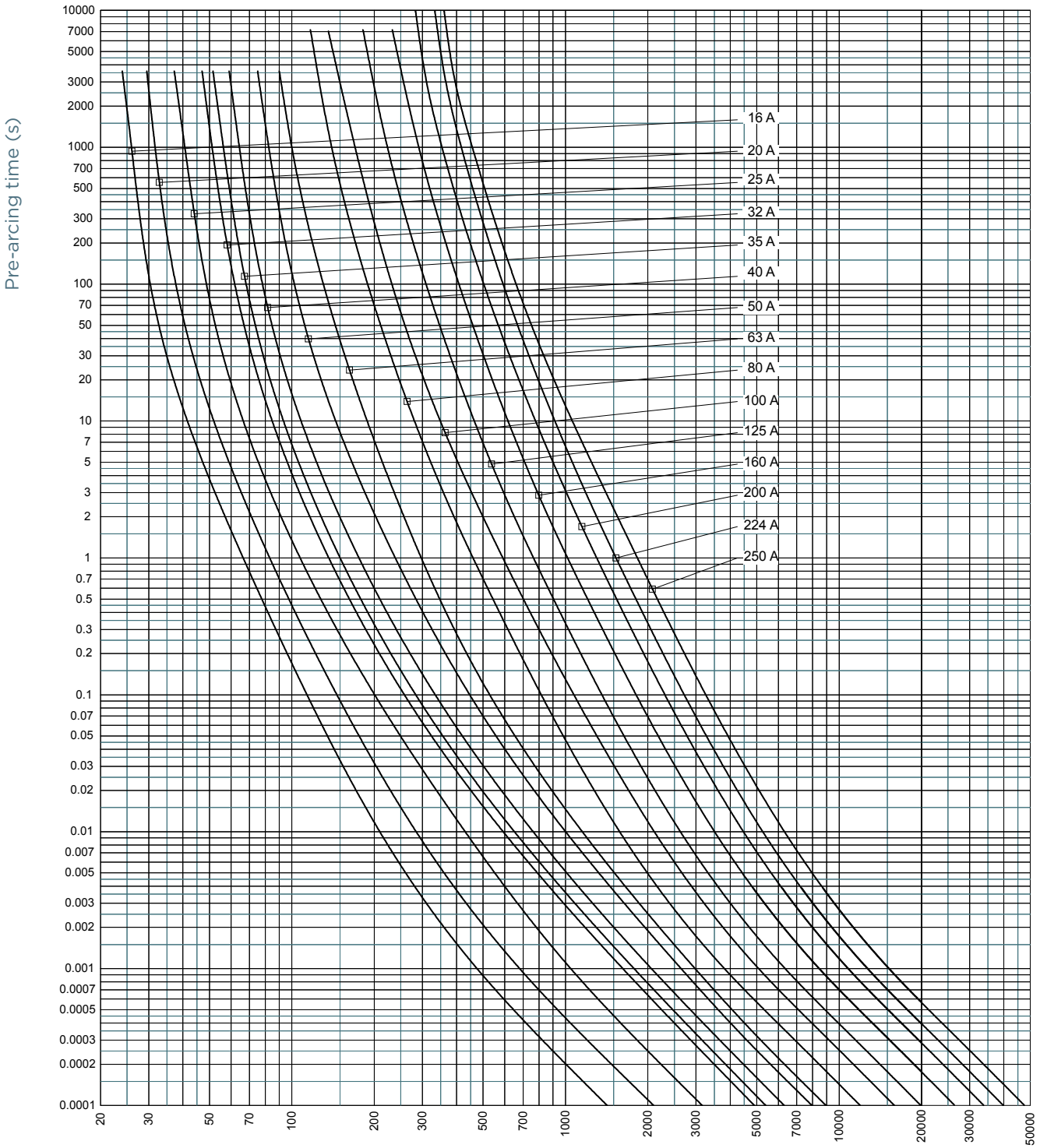
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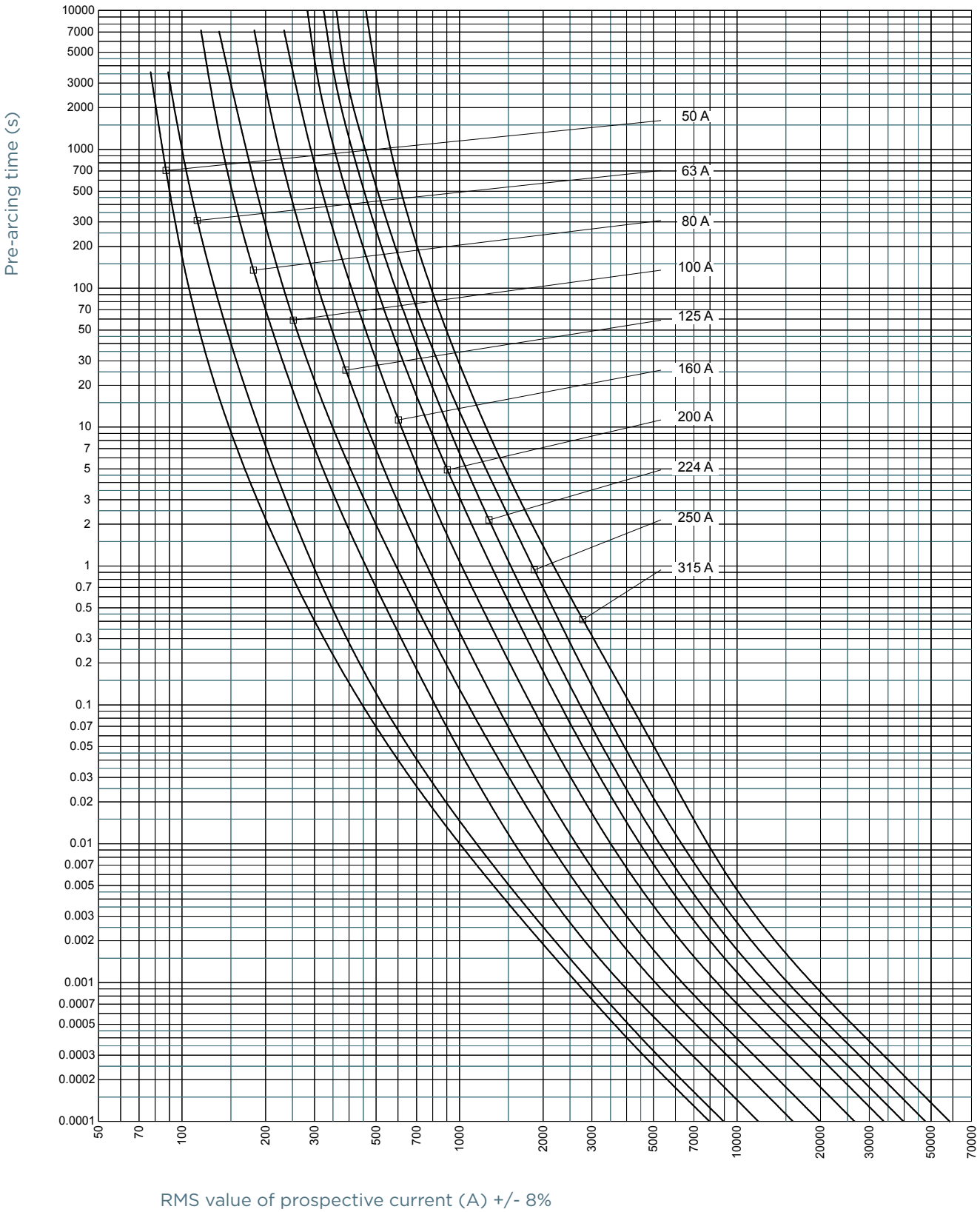
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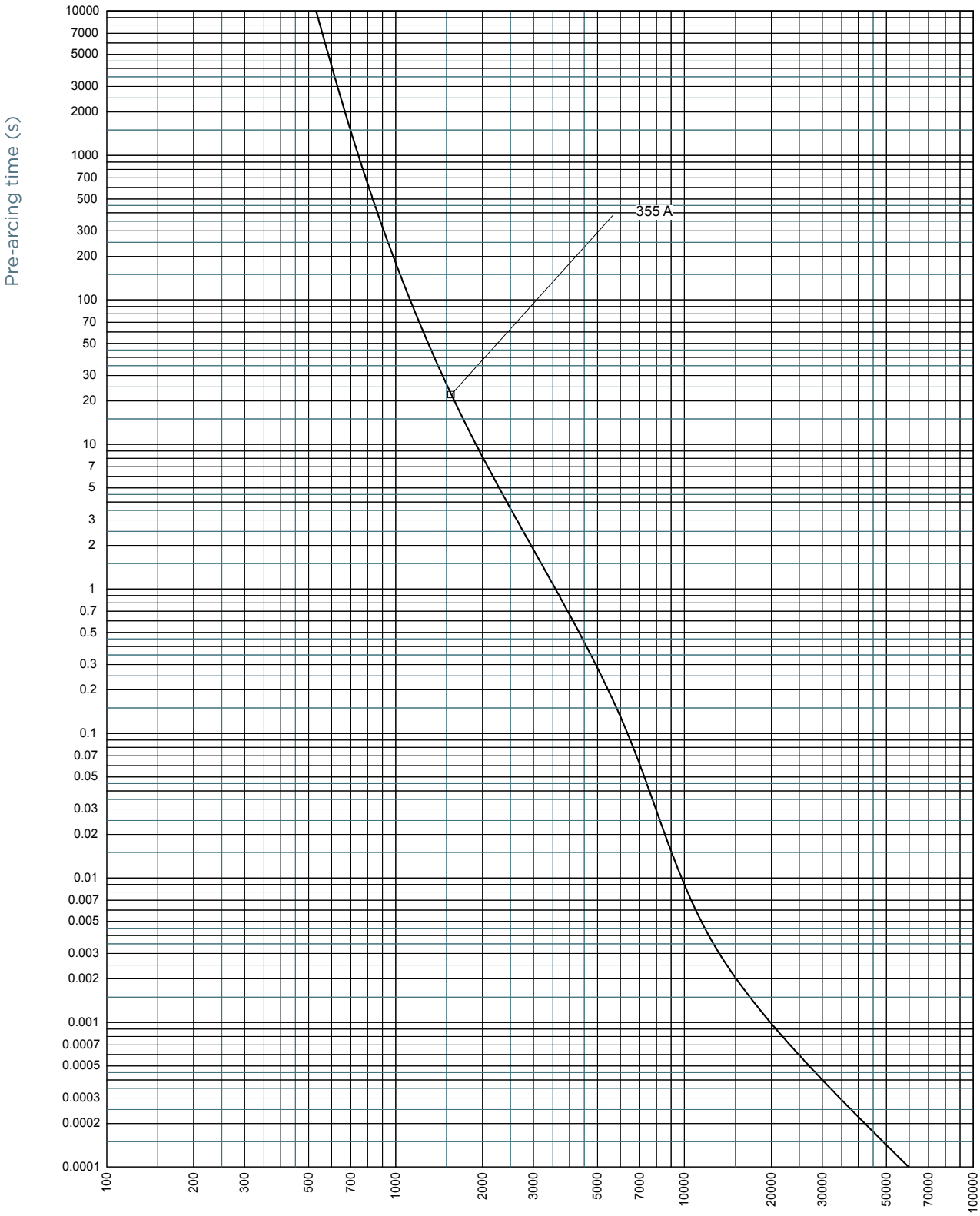
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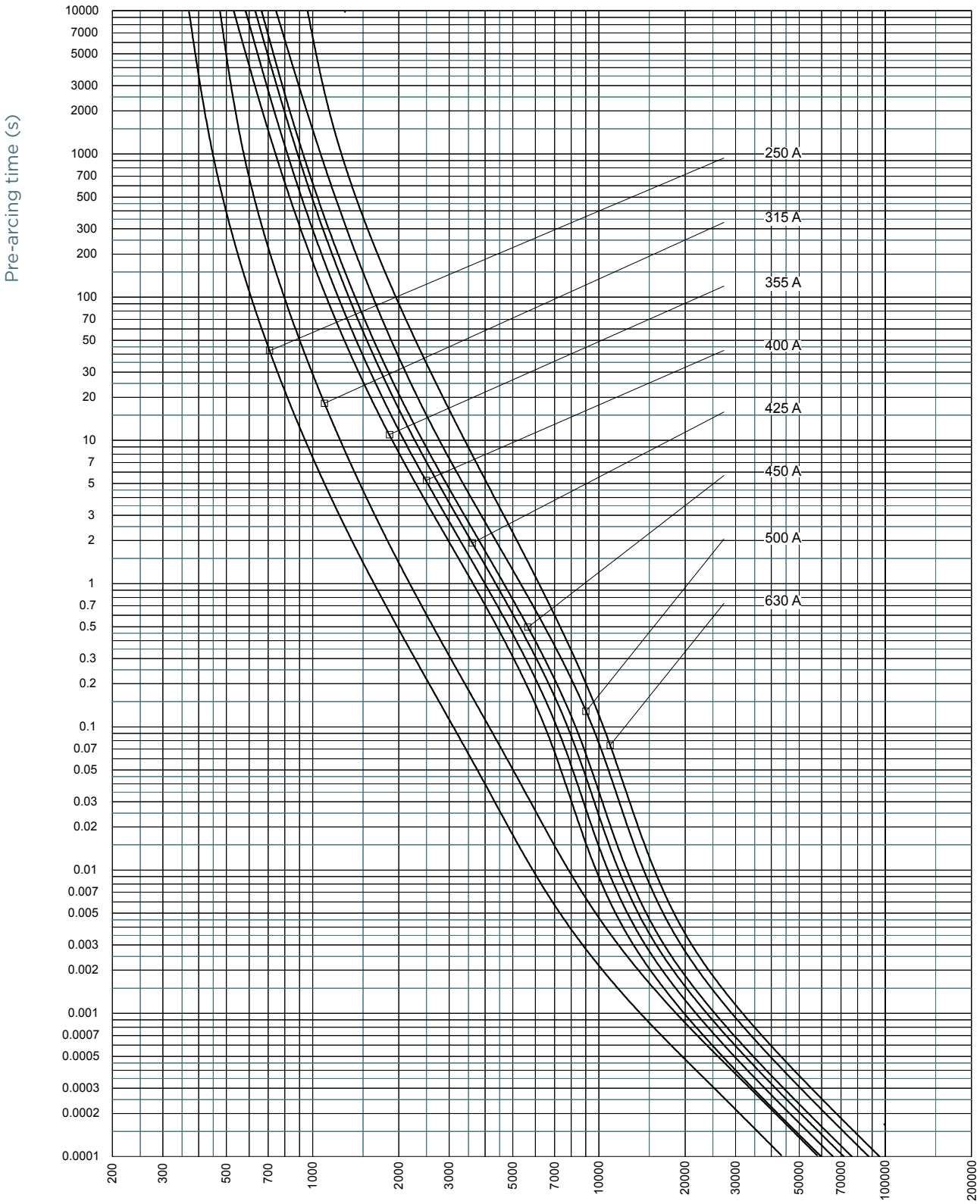
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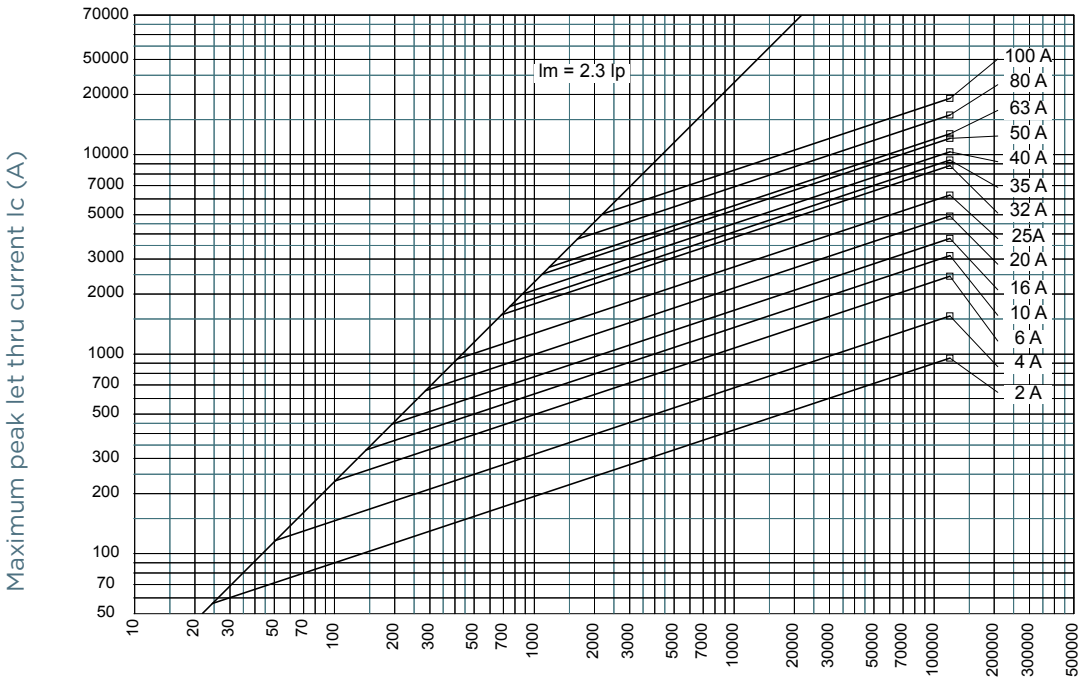
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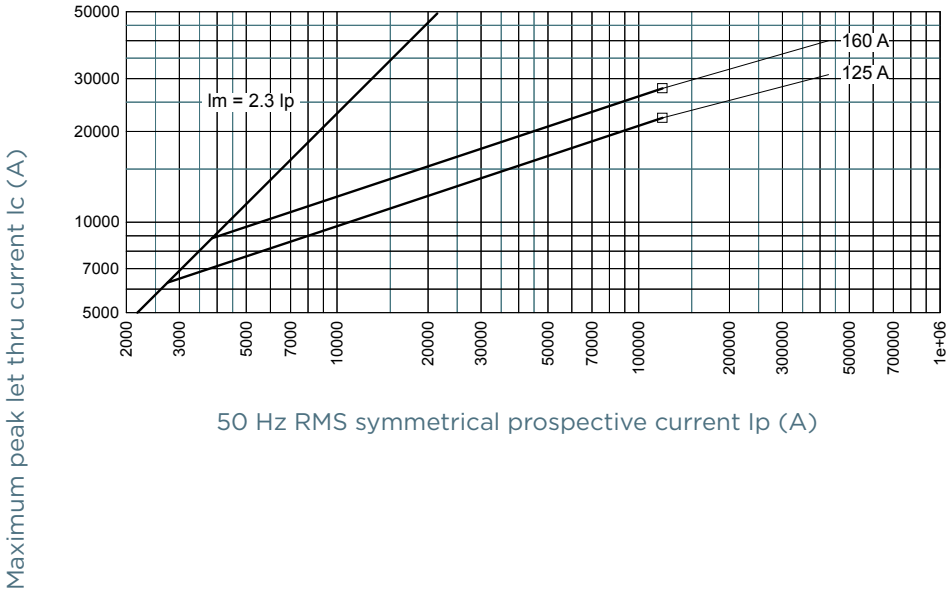
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CUT-OFF CURRENT CHARACTERISTIC

Size 000



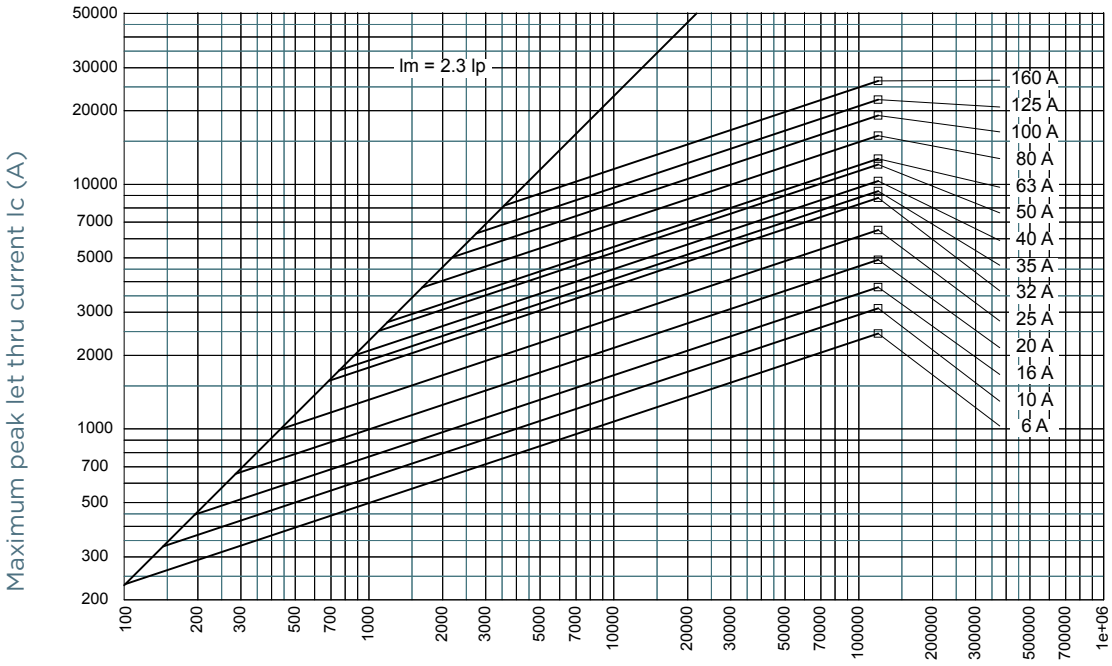
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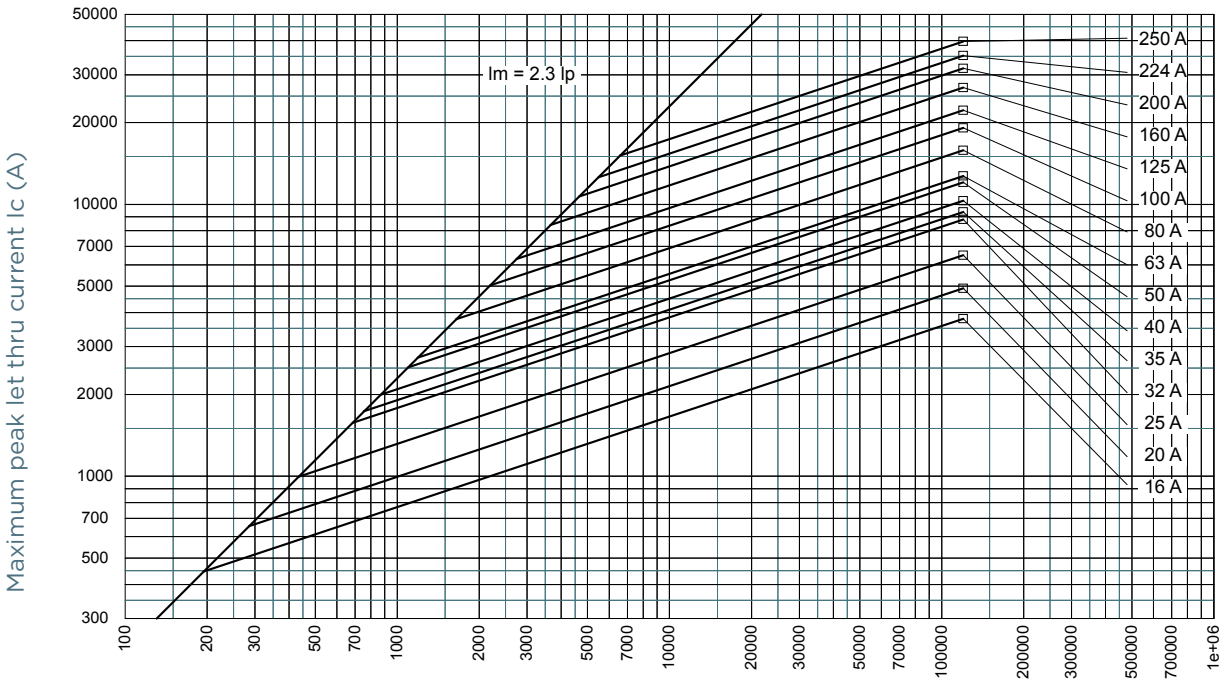
CUT-OFF CURRENT CHARACTERISTIC

Size 0



50 Hz RMS symmetrical prospective current Ip (A)

Size 1

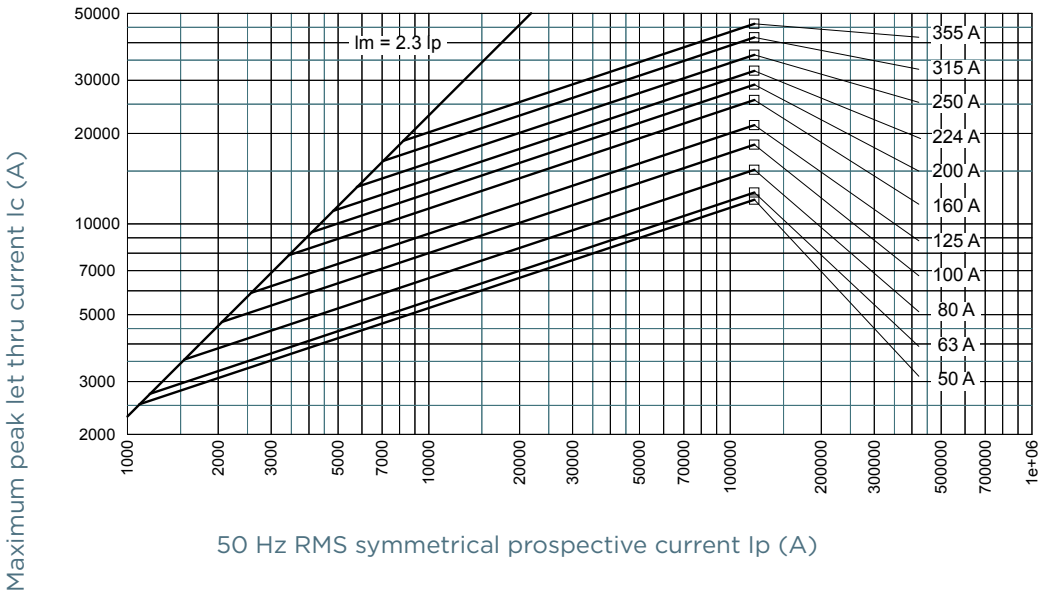


50 Hz RMS symmetrical prospective current Ip (A)

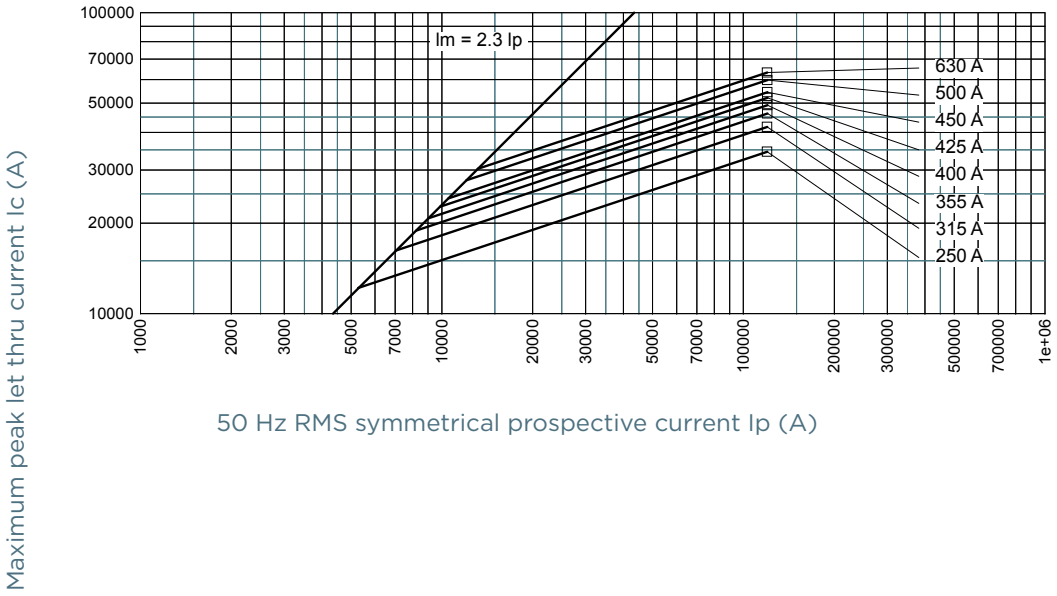
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CUT-OFF CURRENT CHARACTERISTIC

Size 2



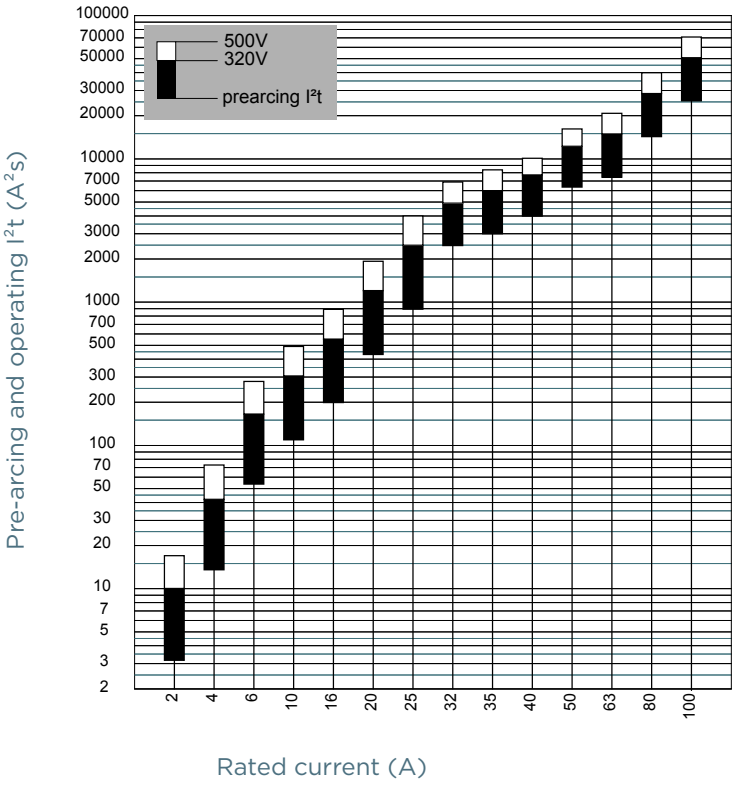
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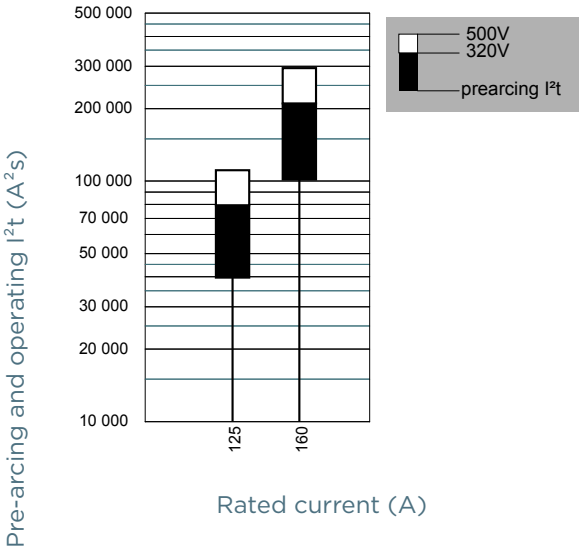
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PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

Size 000



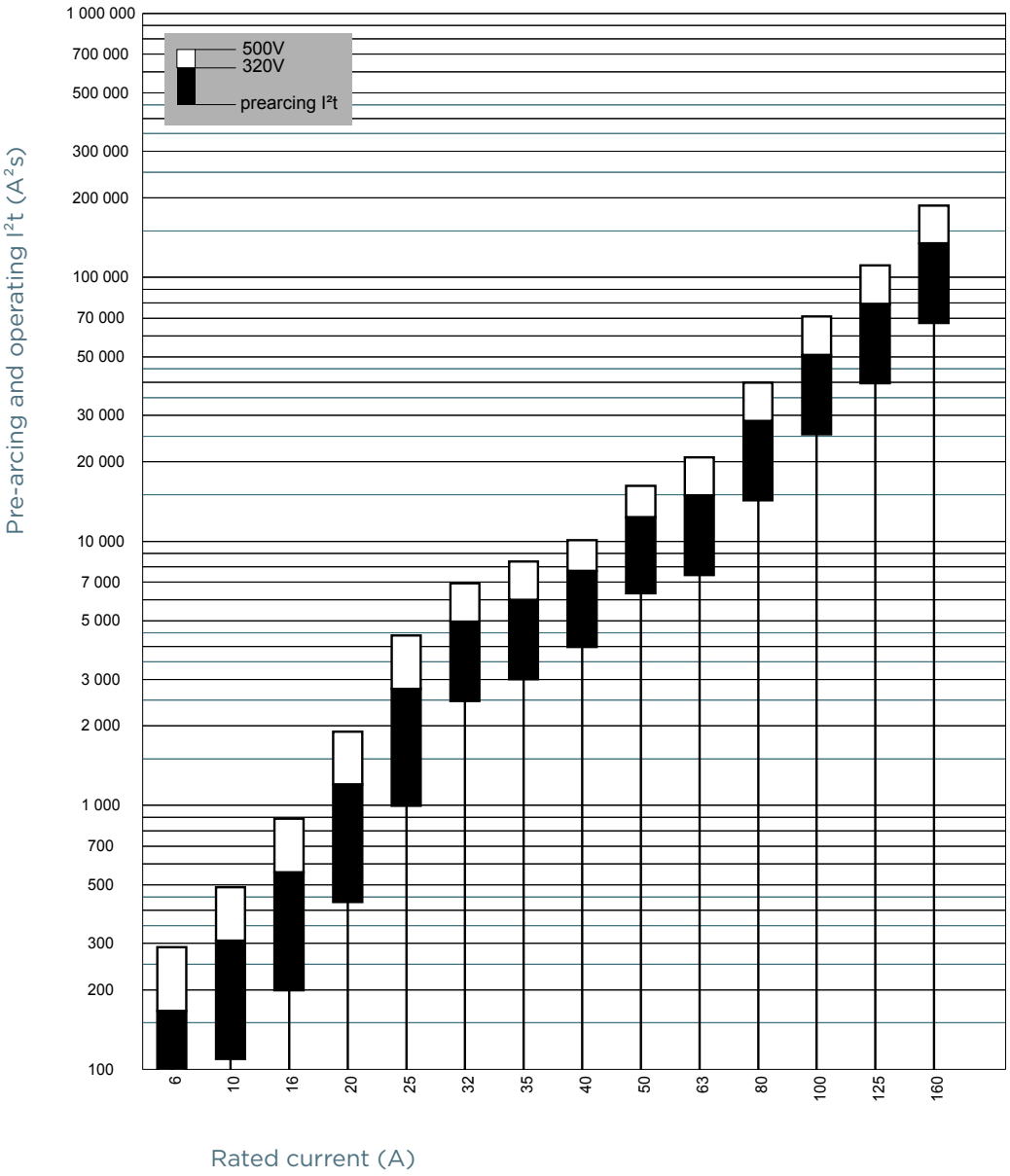
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PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

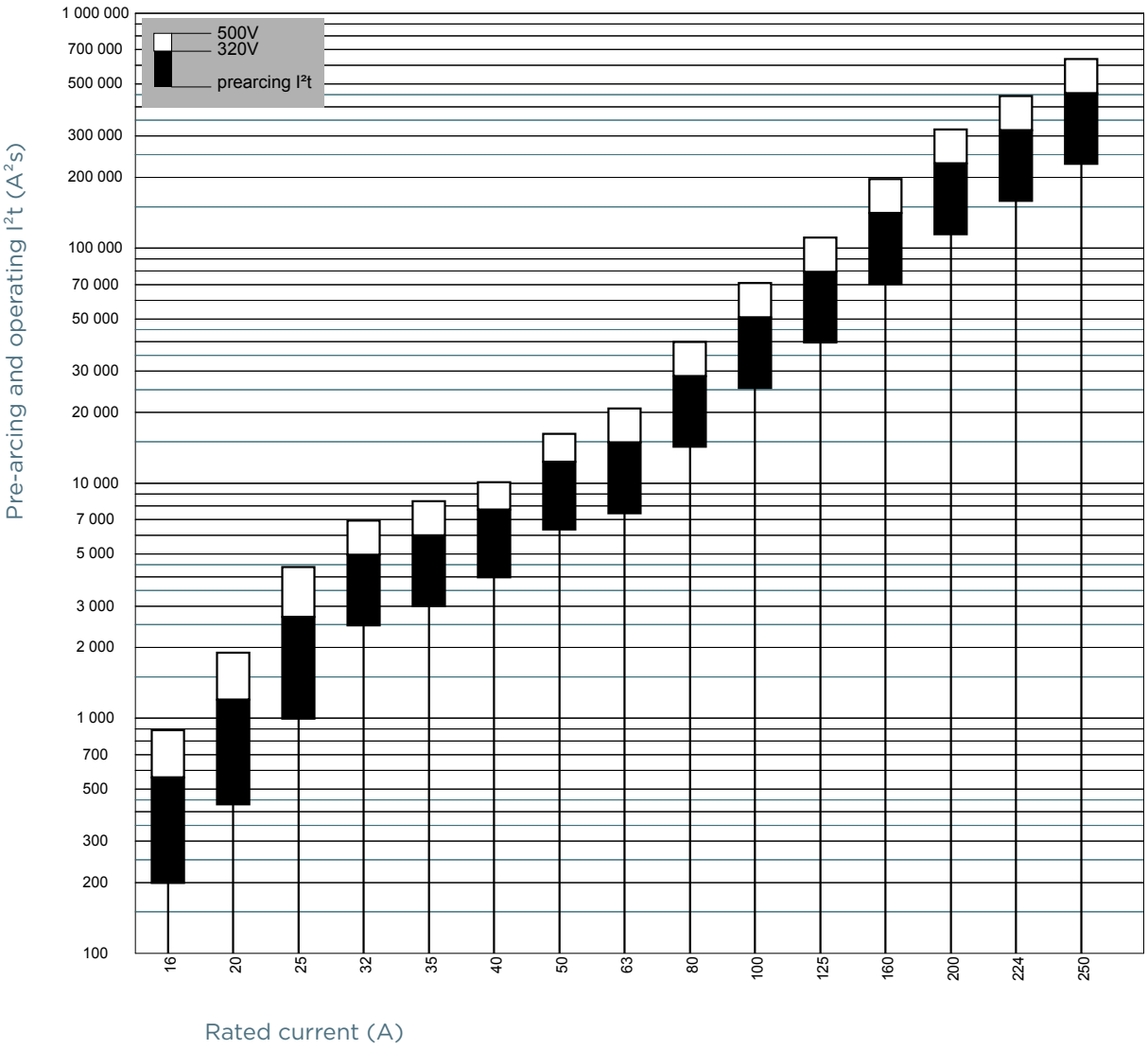
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PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

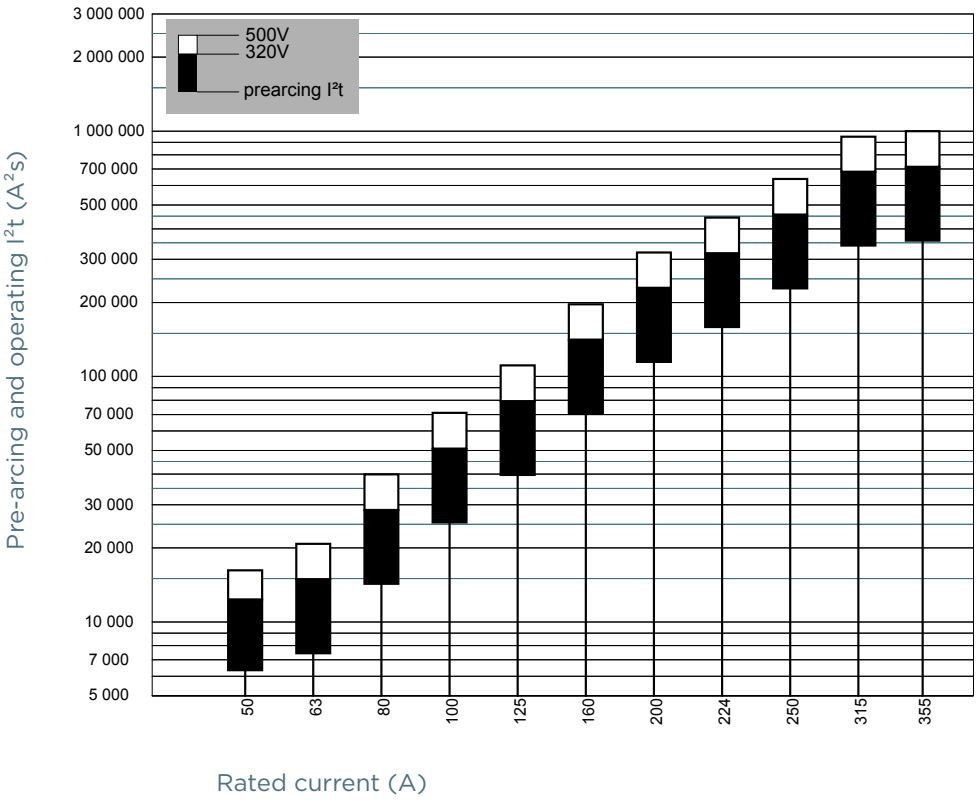
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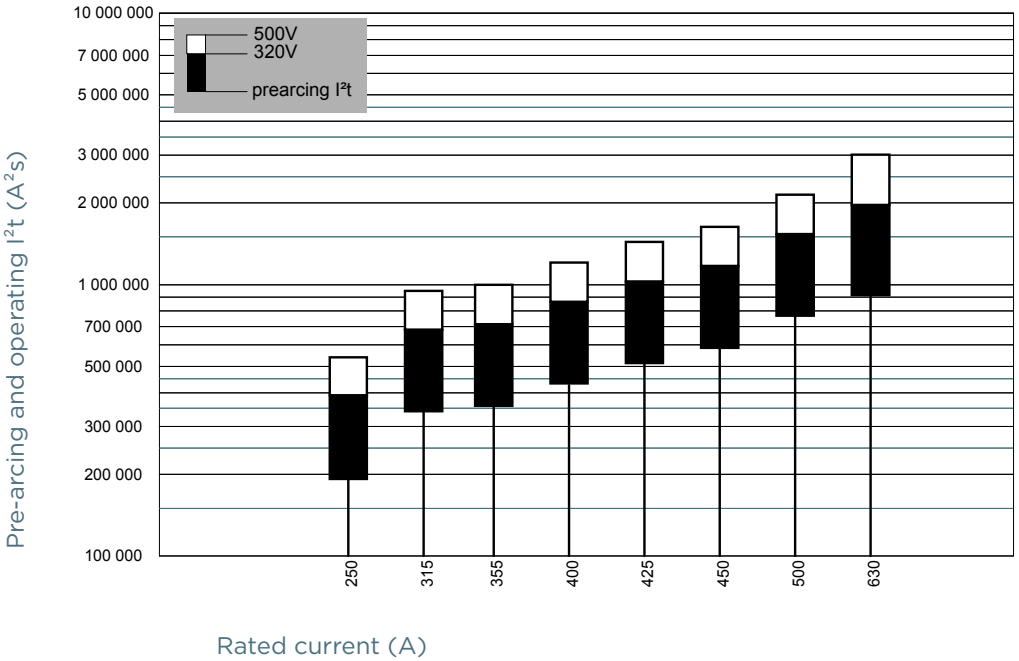
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PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

Size 2



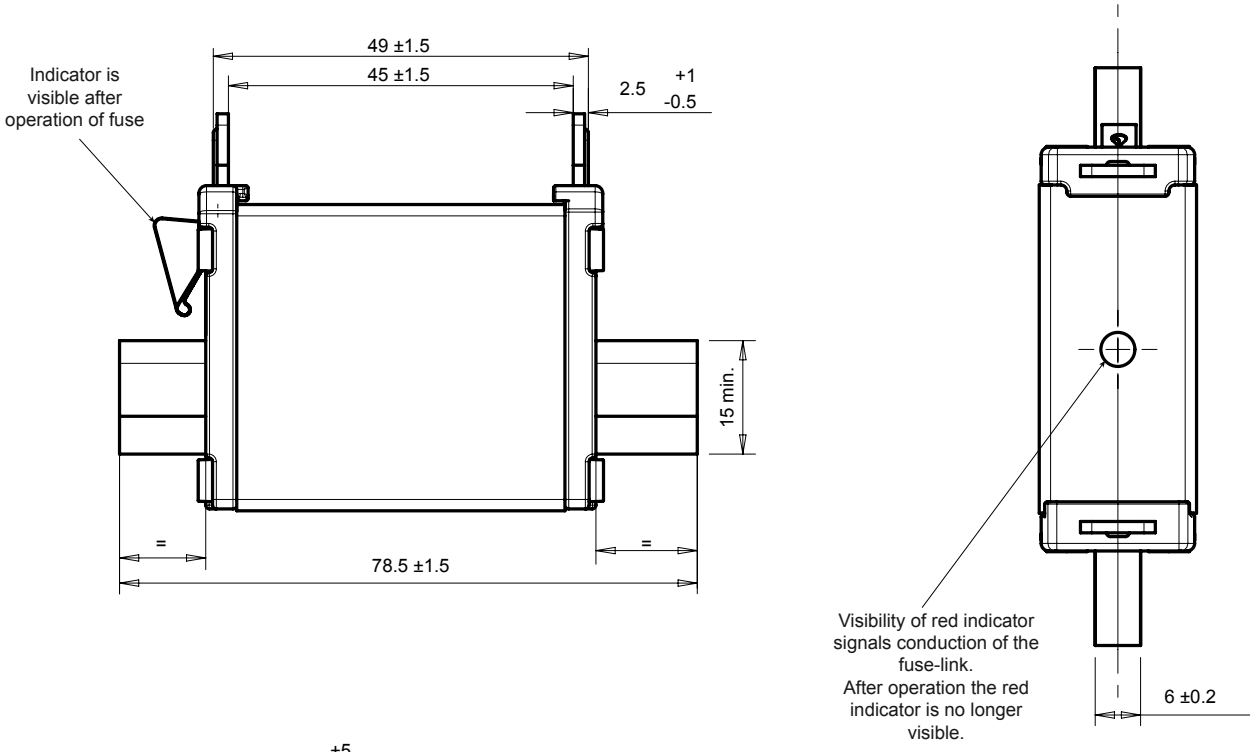
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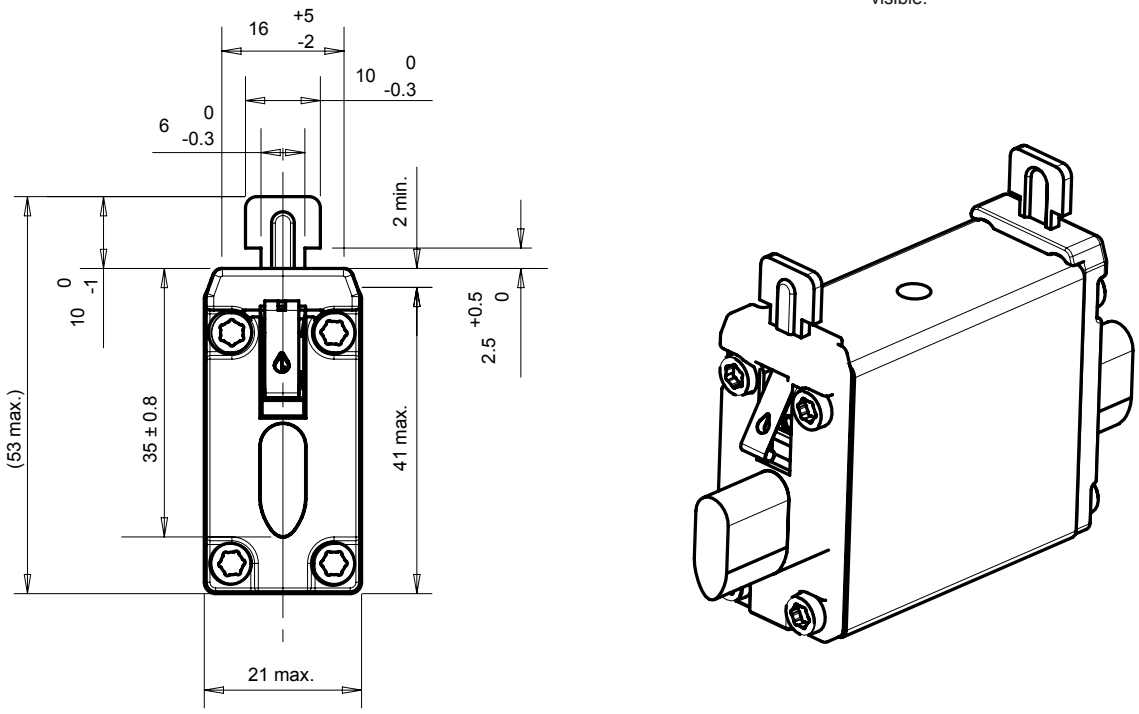


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DIMENSIONS

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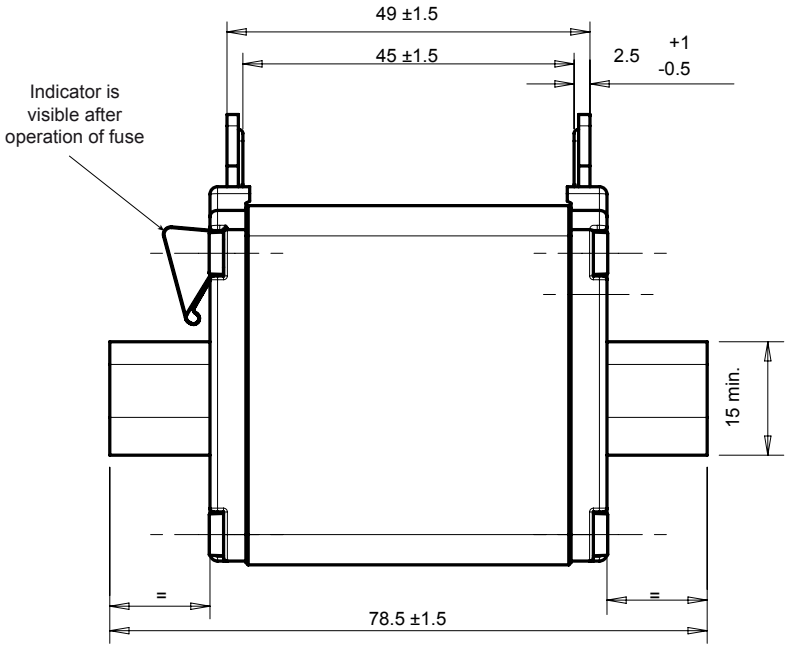


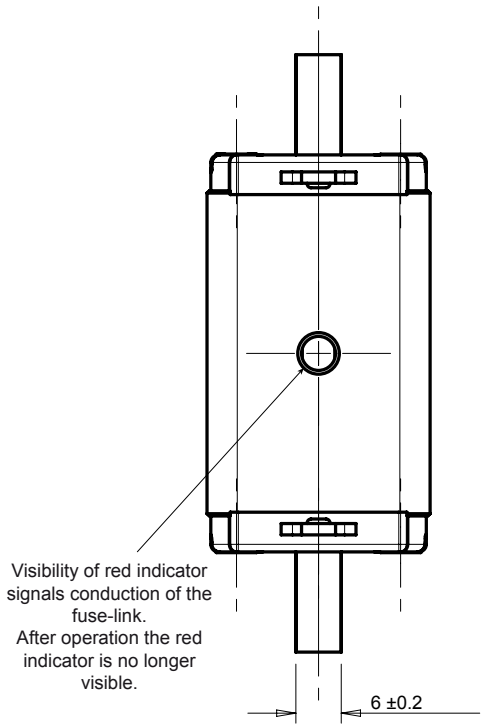
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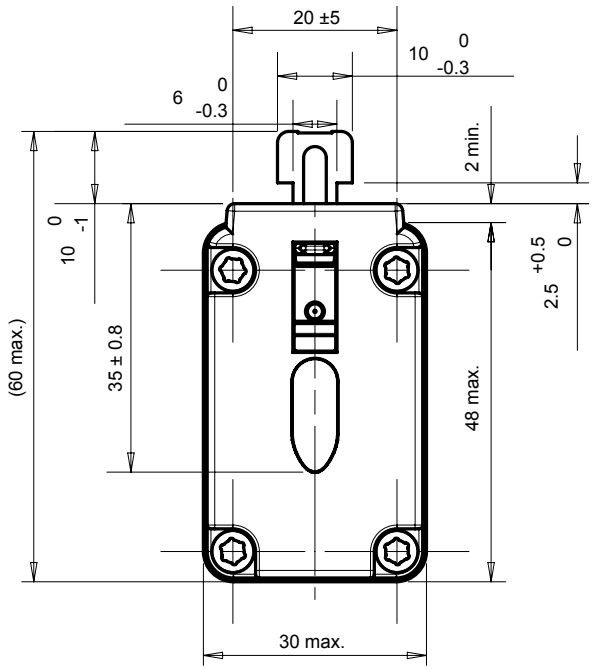
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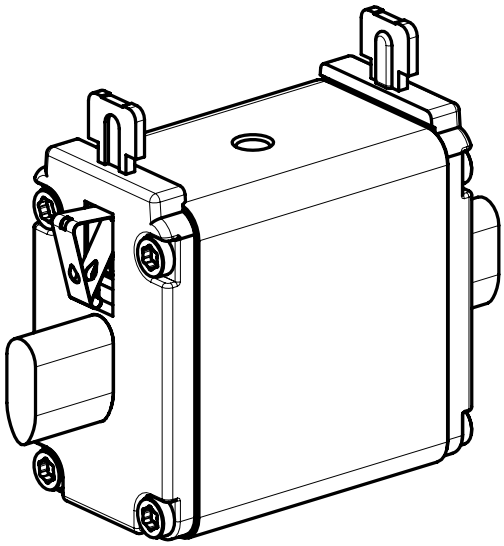
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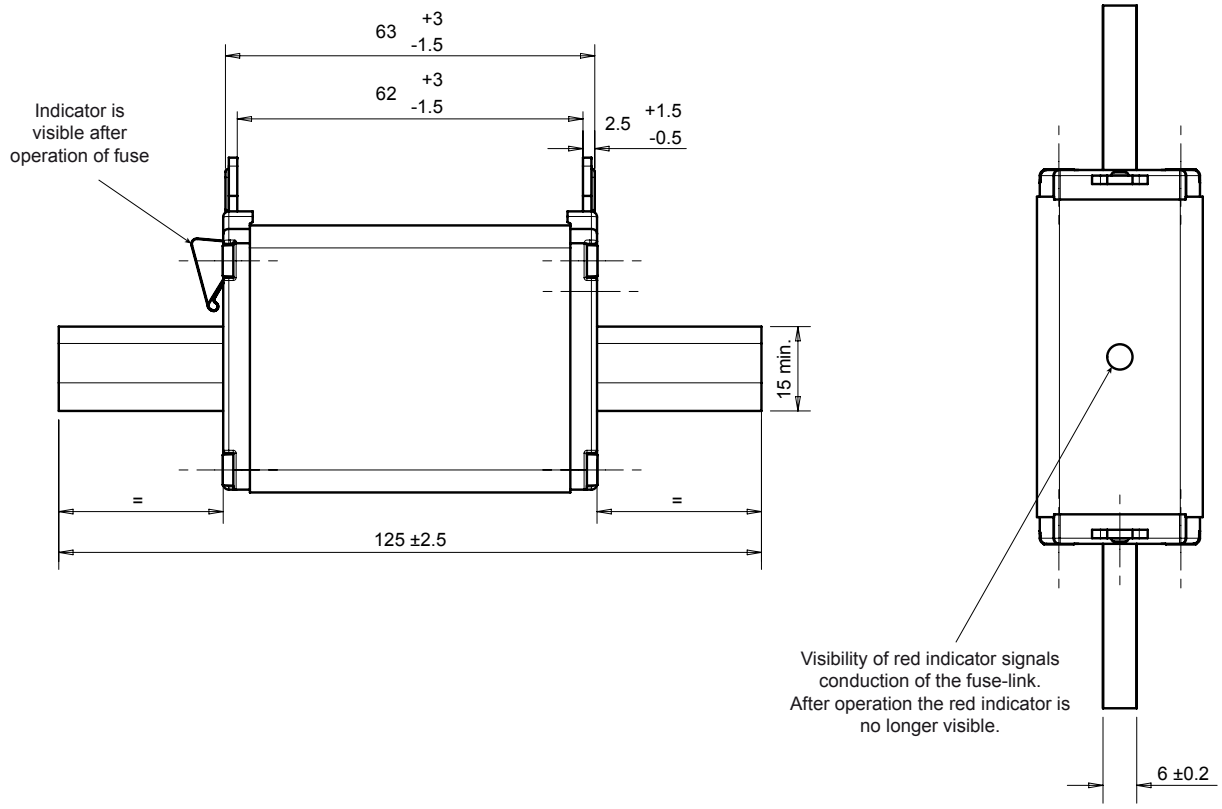


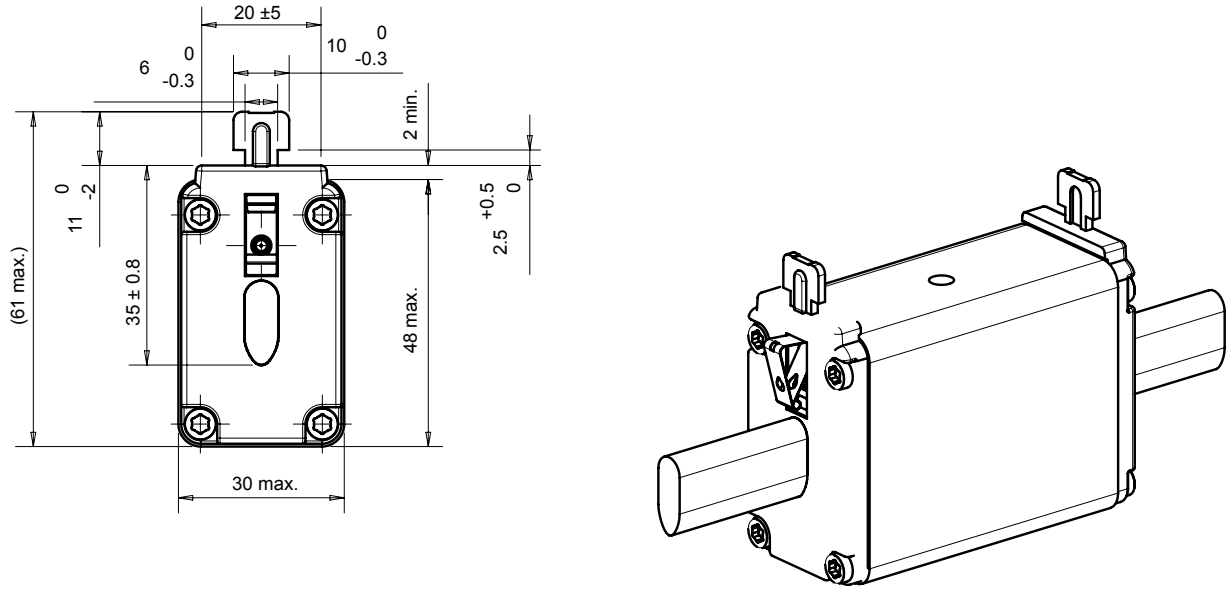
Dimensions in mm

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DIMENSIONS

Size 0 (1000407A)



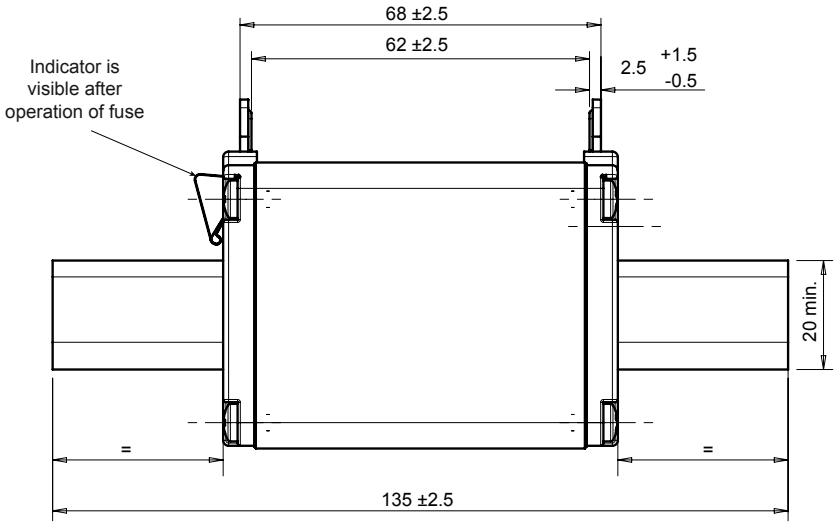


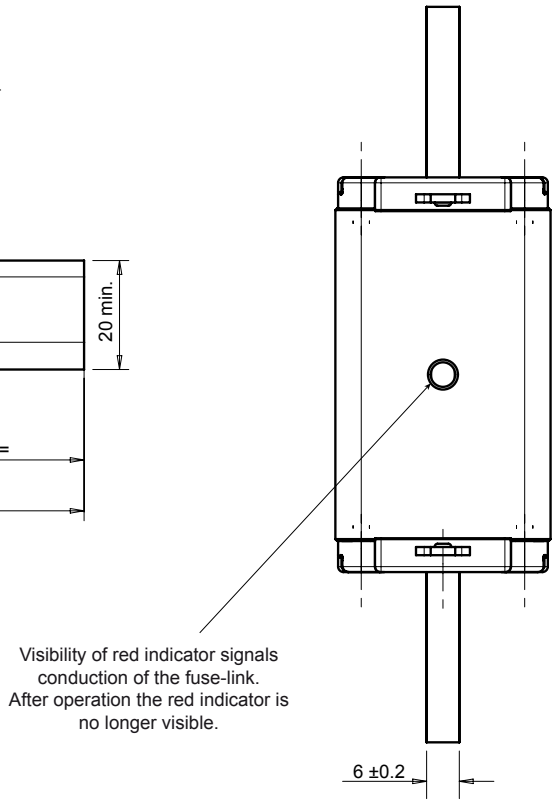
Dimensions in mm

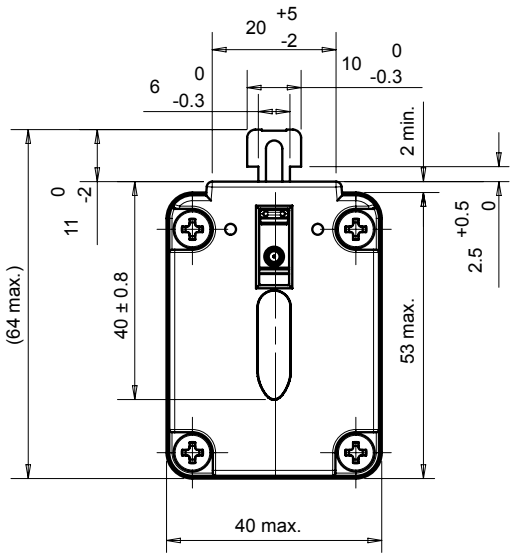
MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

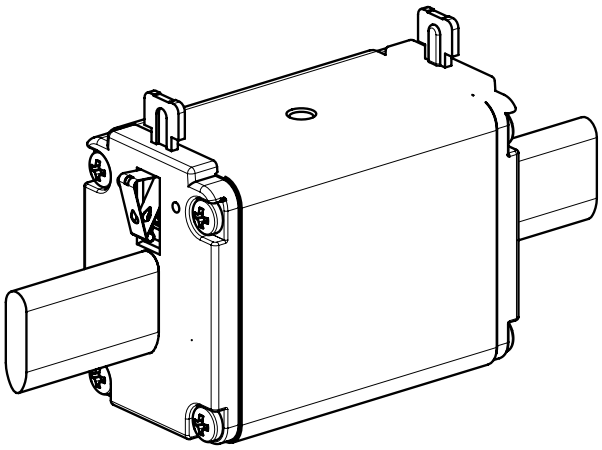
DIMENSIONS

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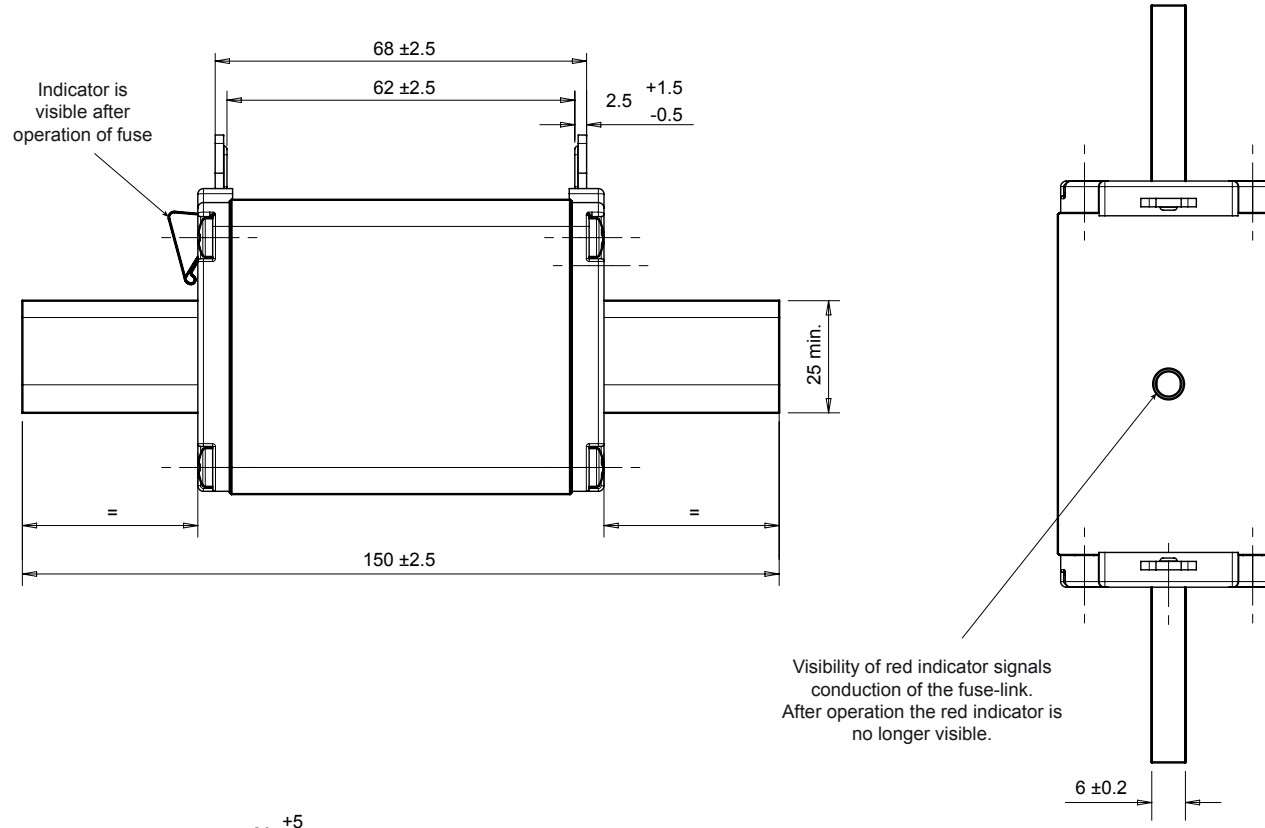


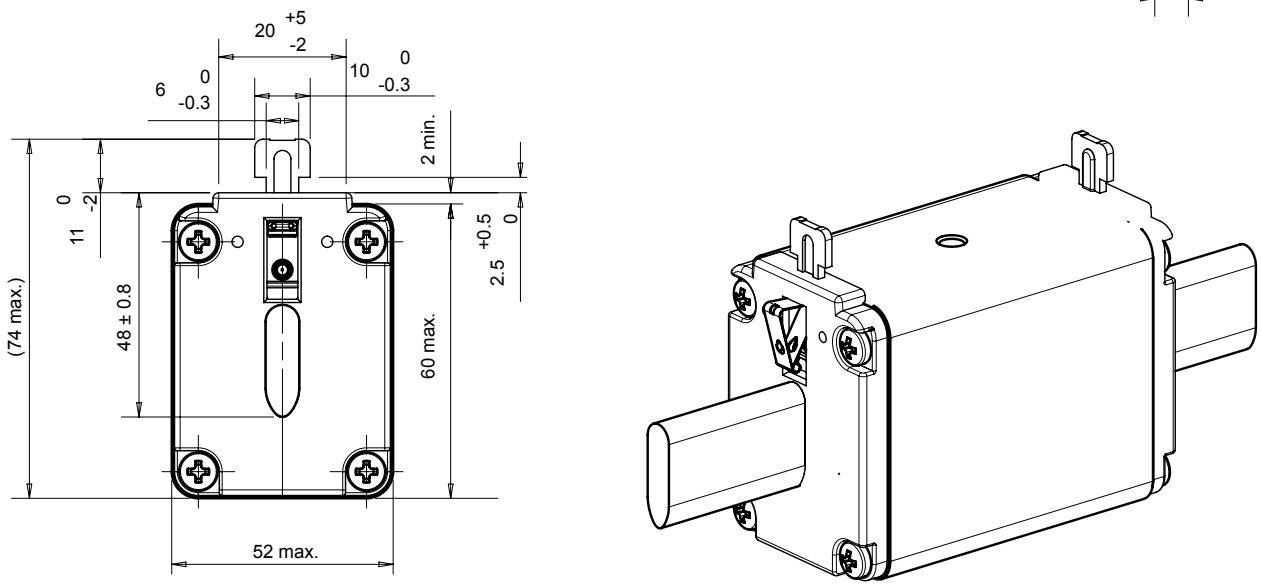
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DIMENSIONS

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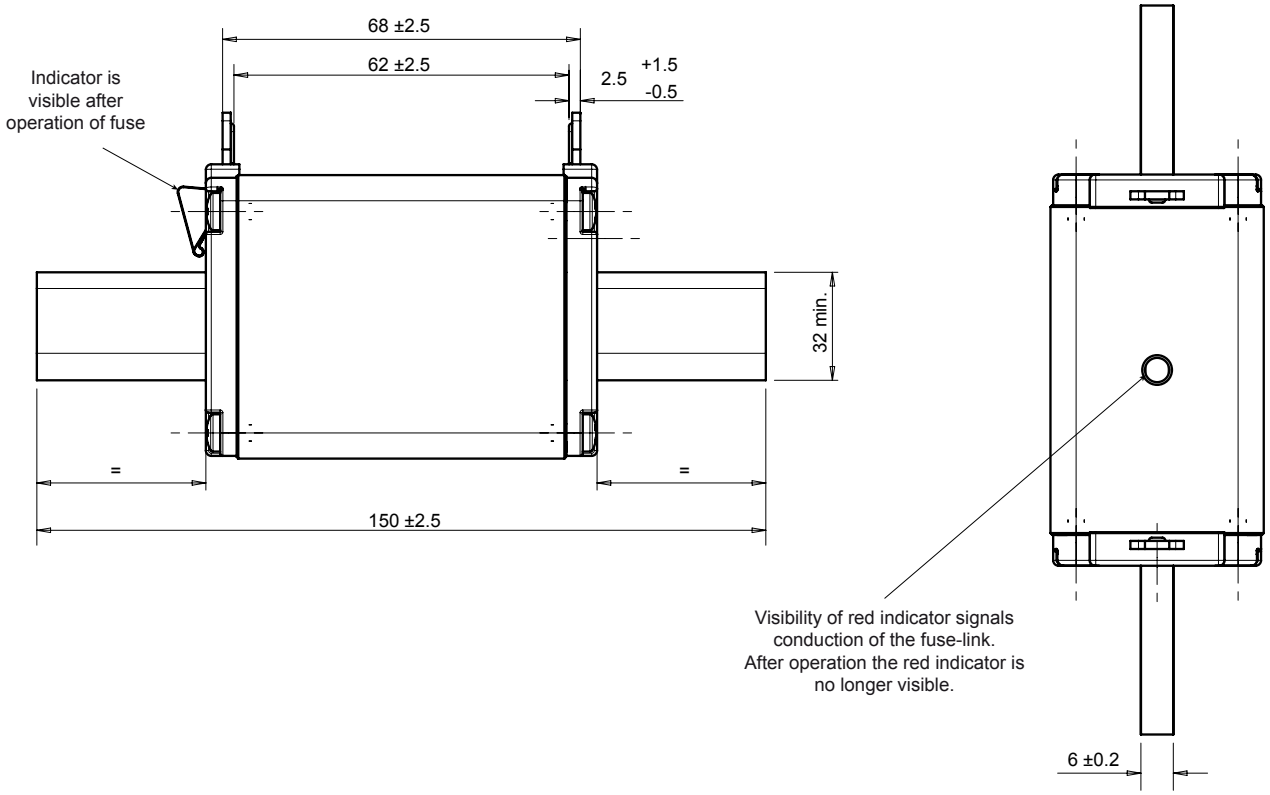


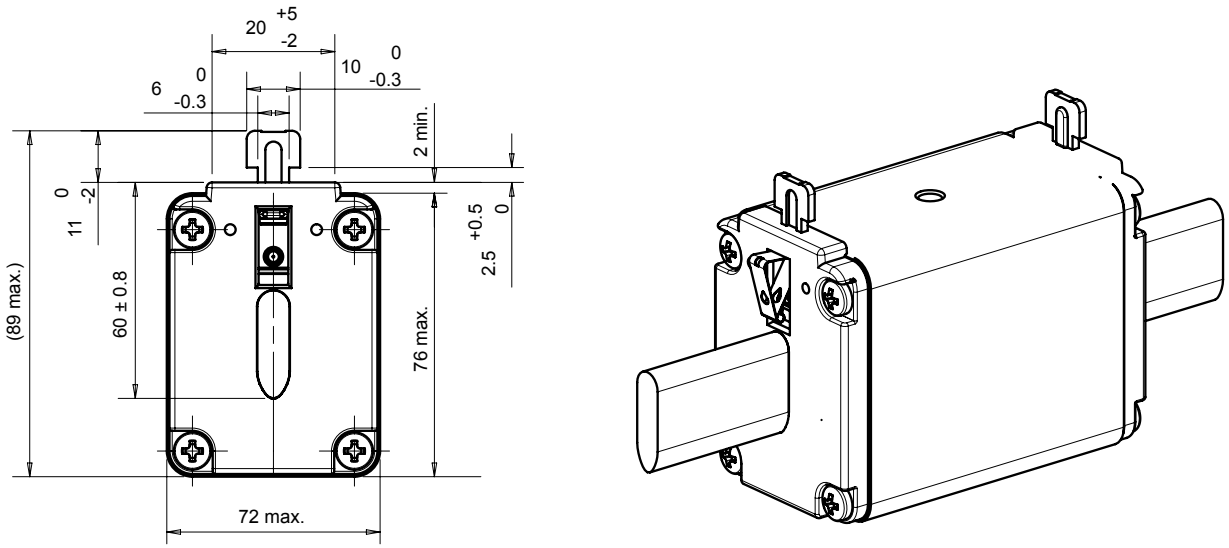
Dimensions in mm

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DIMENSIONS

Size 3 (10004010A)





Dimensions in mm

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