

NH fuse-links gG 500VAC

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

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.

Features Benefits

- Dimensions according to DIN 43 620 parts 1 to 4
- Non-isolated gripping lugs
- Double indicator
- Lead free contact blades
- 0% cadmium

Applications

- gG: general purpose cable and line protection

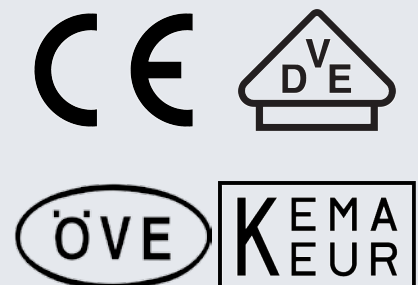
Technical data overview

Voltage AC	500 VAC
Ampere Range (A)	2 ... 800 A
Size per Standard	000, 00, 0, 1, 2, 3
Speed/Characteristic	gG
I.R. AC (kA)	120 kA
Body Material	ceramic
Contact Materials	copper, silver-plated



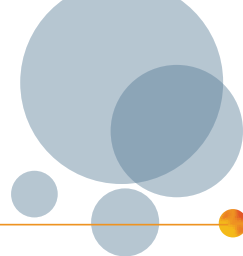
Standards

VDE 0636 Part 201
IEC 60269-1 and -2



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Product range



NH000GG50V2

Size 000

Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Weight	Package
NH000GG50V2	B211946	B211946C	500 V	2 A	1.9 W	130 g	3
NH000GG50V4	M212462	M212462C	500 V	4 A	1.5 W	130 g	3
NH000GG50V6	D213995	D213995C	500 V	6 A	1.6 W	130 g	3
NH000GG50V10	B219651	B219651C	500 V	10 A	1.1 W	130 g	3
NH000GG50V16	K222097	K222097H	500 V	16 A	1.8 W	130 g	9
NH000GG50V20	A222847	A222847H	500 V	20 A	2.3 W	130 g	9
NH000GG50V25	E201185	E201185H	500 V	25 A	2.4 W	130 g	9
NH000GG50V32	Z211438	Z211438H	500 V	32 A	3.1 W	130 g	9
NH000GG50V35	C211947	C211947H	500 V	35 A	3 W	130 g	9
NH000GG50V40	N212463	N212463H	500 V	40 A	3.7 W	130 g	9
NH000GG50V50	T212974	T212974H	500 V	50 A	4.1 W	130 g	9
NH000GG50V63	E213996	E213996H	500 V	63 A	5.4 W	130 g	9
NH000GG50V80	Y216543	Y216543H	500 V	80 A	6.5 W	130 g	9
NH000GG50V100	B219122	B219122H	500 V	100 A	7.5 W	130 g	9



NH00GG50V125

Size 00

Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Weight	Package
NH00GG50V125	R201863	R201863C	500 V	125 A	10 W	200 g	3
NH00GG50V160	P211084	P211084C	500 V	160 A	12.3 W	200 g	3



NH0GG50V6

Size 0

Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Weight	Package
NH0GG50V6	H213148	H213148C	500 V	6 A	1.6 W	270 g	3
NH0GG50V10	G214159	G214159C	500 V	10 A	1.1 W	270 g	3
NH0GG50V16	Q215179	Q215179C	500 V	16 A	1.8 W	270 g	3
NH0GG50V20	R215686	R215686C	500 V	20 A	2.3 W	270 g	3
NH0GG50V25	Y216198	Y216198C	500 V	25 A	2.4 W	270 g	3
NH0GG50V32	W216702	W216702C	500 V	32 A	3.1 W	270 g	3
NH0GG50V35	J217220	J217220C	500 V	35 A	3 W	270 g	3
NH0GG50V40	P217731	P217731C	500 V	40 A	3.7 W	270 g	3
NH0GG50V50	Z218246	Z218246C	500 V	50 A	4.1 W	270 g	3
NH0GG50V63	N218765	N218765C	500 V	63 A	6.6 W	270 g	3
NH0GG50V80	C219284	C219284C	500 V	80 A	8 W	270 g	3
NH0GG50V100	D219814	D219814C	500 V	100 A	9.4 W	270 g	3
NH0GG50V125	P222492	P222492C	500 V	125 A	11.8 W	270 g	3
NH0GG50V160	F223013	F223013C	500 V	160 A	14.6 W	270 g	3
NH0GG50V200	C229611	C229611C	500 V	200 A	18.1 W	270 g	3
NH0GG50V224	D229612	D229612C	500 V	224 A	19.2 W	270 g	3
NH0GG50V250	E229613	E229613C	500 V	250 A	20.3 W	270 g	3

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Product range



NH1GG50V16

Size 1

Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Width	Weight	Package
NH1GG50V16	M200801	M200801C	500 V	16 A	1.8 W	29.5 mm	280 g	3
NH1GG50V20	C201344	C201344C	500 V	20 A	2.3 W	29.5 mm	280 g	3
NH1GG50V25	N201860	N201860C	500 V	25 A	2.4 W	29.5 mm	280 g	3
NH1GG50V32	L211081	L211081C	500 V	32 A	3.1 W	29.5 mm	280 g	3
NH1GG50V35	A211600	A211600C	500 V	35 A	3 W	29.5 mm	280 g	3
NH1GG50V40	Y212633	Y212633C	500 V	40 A	3.7 W	29.5 mm	280 g	3
NH1GG50V50	B213648	B213648C	500 V	50 A	4.1 W	29.5 mm	280 g	3
NH1GG50V63	L214669	L214669C	500 V	63 A	6.6 W	29.5 mm	280 g	3
NH1GG50V80	S215687	S215687C	500 V	80 A	8 W	29.5 mm	280 g	3
NH1GG50V100	X216703	X216703C	500 V	100 A	9.4 W	29.5 mm	280 g	3
NH1GG50V125	Q217732	V236044C	500 V	125 A	11.8 W	39.5 mm	300 g	3
NH1GG50V160	A218247	A218247C	500 V	160 A	14.6 W	39.5 mm	300 g	3
NH1GG50V200	P218766	P218766C	500 V	200 A	18 W	39.5 mm	300 g	3
NH1GG50V224	D219285	D219285C	500 V	224 A	19 W	39.5 mm	300 g	3
NH1GG50V250	E219815	E219815C	500 V	250 A	20 W	39.5 mm	300 g	3
NH1GG50V315	Q228519	Q228519C	500 V	315 A	20.5 W	39.5 mm	420 g	3
NH1GG50V355	R228520	R228520C	500 V	355 A	23.7 W	39.5 mm	420 g	3



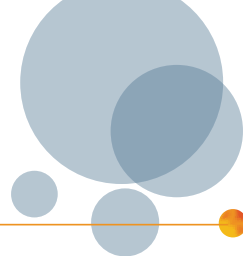
NH2GG50V63

Size 2

Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Width	Weight	Package
NH2GG50V25	N200802	N200802C	500 V	25 A	2.4 W	39.5 mm	420 g	3
NH2GG50V32	D201345	D201345C	500 V	32 A	3.1 W	39.5 mm	420 g	3
NH2GG50V35	P201861	P201861C	500 V	35 A	3 W	39.5 mm	420 g	3
NH2GG50V40	M211082	M211082C	500 V	40 A	3.7 W	39.5 mm	420 g	3
NH2GG50V50	B211601	B211601C	500 V	50 A	4.1 W	39.5 mm	420 g	3
NH2GG50V63	Z212634	Z212634C	500 V	63 A	6.8 W	39.5 mm	420 g	3
NH2GG50V80	C213649	C213649C	500 V	80 A	8.3 W	39.5 mm	420 g	3
NH2GG50V100	M214670	M214670C	500 V	100 A	10.7 W	39.5 mm	420 g	3
NH2GG50V125	T215688	T215688C	500 V	125 A	12.2 W	39.5 mm	420 g	3
NH2GG50V160	Y216704	Y216704C	500 V	160 A	15 W	39.5 mm	420 g	3
NH2GG50V200	R217733	R217733C	500 V	200 A	18.5 W	39.5 mm	420 g	3
NH2GG50V224	Q218767	Q218767C	500 V	224 A	19.2 W	39.5 mm	420 g	3
NH2GG50V250	R222494	R222494C	500 V	250 A	20.6 W	39.5 mm	420 g	3
NH2GG50V300	P200803	P200803C	500 V	300 A	21 W	51 mm	640 g	3
NH2GG50V315	E201346	E201346C	500 V	315 A	25 W	51 mm	640 g	3
NH2GG50V355	Q201862	Q201862C	500 V	355 A	31.5 W	51 mm	640 g	3
NH2GG50V400	N211083	N211083C	500 V	400 A	32 W	51 mm	640 g	3
NH2GG50V425	S228521	S228521C	500 V	425 A	32.2 W	51 mm	640 g	3
NH2GG50V500	T228522	T228522C	500 V	500 A	35.6 W	51 mm	640 g	3

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Product range



NH3GG-
G50V250

Size 3

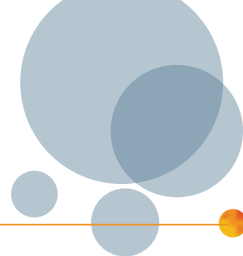
Catalog number	Reference number	Reference Number (alt.)	Rated voltage AC (IEC)	Rated current I _n	Power dissipation at I _n	Width	Weight	Package
NH3GG50V224	V233744	V233744A	500 kV	224 A	20 W	51 mm	650 g	1
NH3GG50V250	C211602	C211602A	500 V	250 A	21.1 W	51 mm	650 g	1
NH3GG50V300	A212635	A212635A	500 V	300 A	20 W	51 mm	650 g	1
NH3GG50V315	L213151	L213151A	500 V	315 A	25 W	51 mm	650 g	1
NH3GG50V355	K214162	K214162A	500 V	355 A	32 W	51 mm	650 g	1
NH3GG50V400	T215182	T215182A	500 V	400 A	34 W	51 mm	1050 g	1
NH3GG50V425	B216201	B216201A	500 V	425 A	34 W	70 mm	1050 g	1
NH3GG50V450	Z216705	Z216705A	500 V	450 A	38 W	70 mm	1050 g	1
NH3GG50V500	M217223	M217223A	500 V	500 A	43 W	70 mm	1050 g	1
NH3GG50V630	S217734	S217734A	500 V	630 A	43.1 W	70 mm	1050 g	1
NH3GG50V800	V228523	V228523A	500 V	800 A	53.2 W	70 mm	1050 g	1

Technical Data

	Size 000	Size 00	Size 0	Size 1	Size 2	Size 3
Rated current	2 ... 100 A	125 ... 160 A	6 ... 250 A	16 ... 355 A	25 ... 500 A	224 ... 800 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

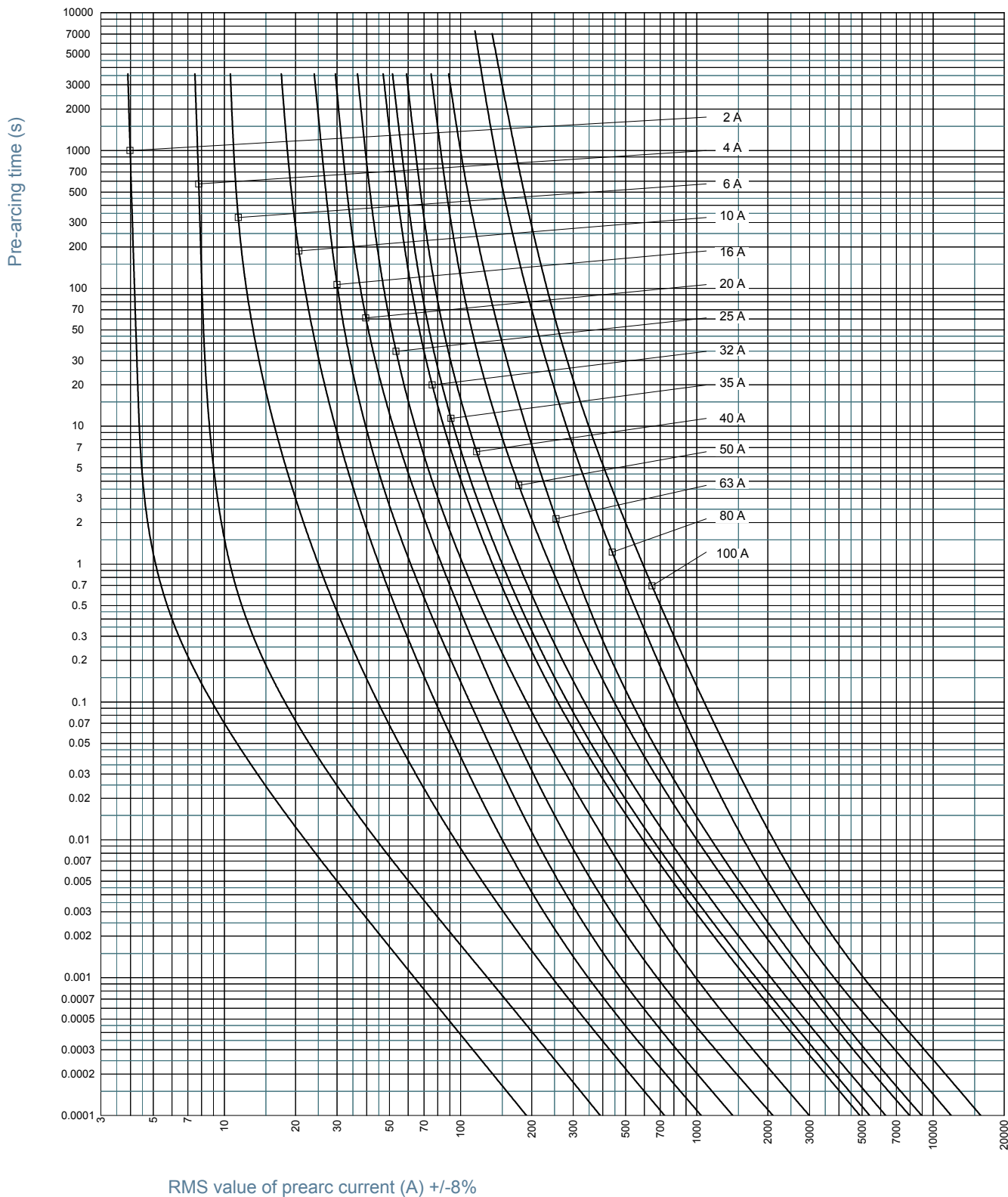
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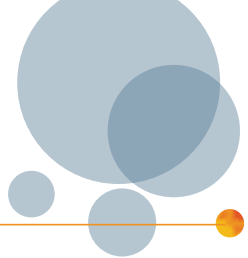
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Time current characteristic curves

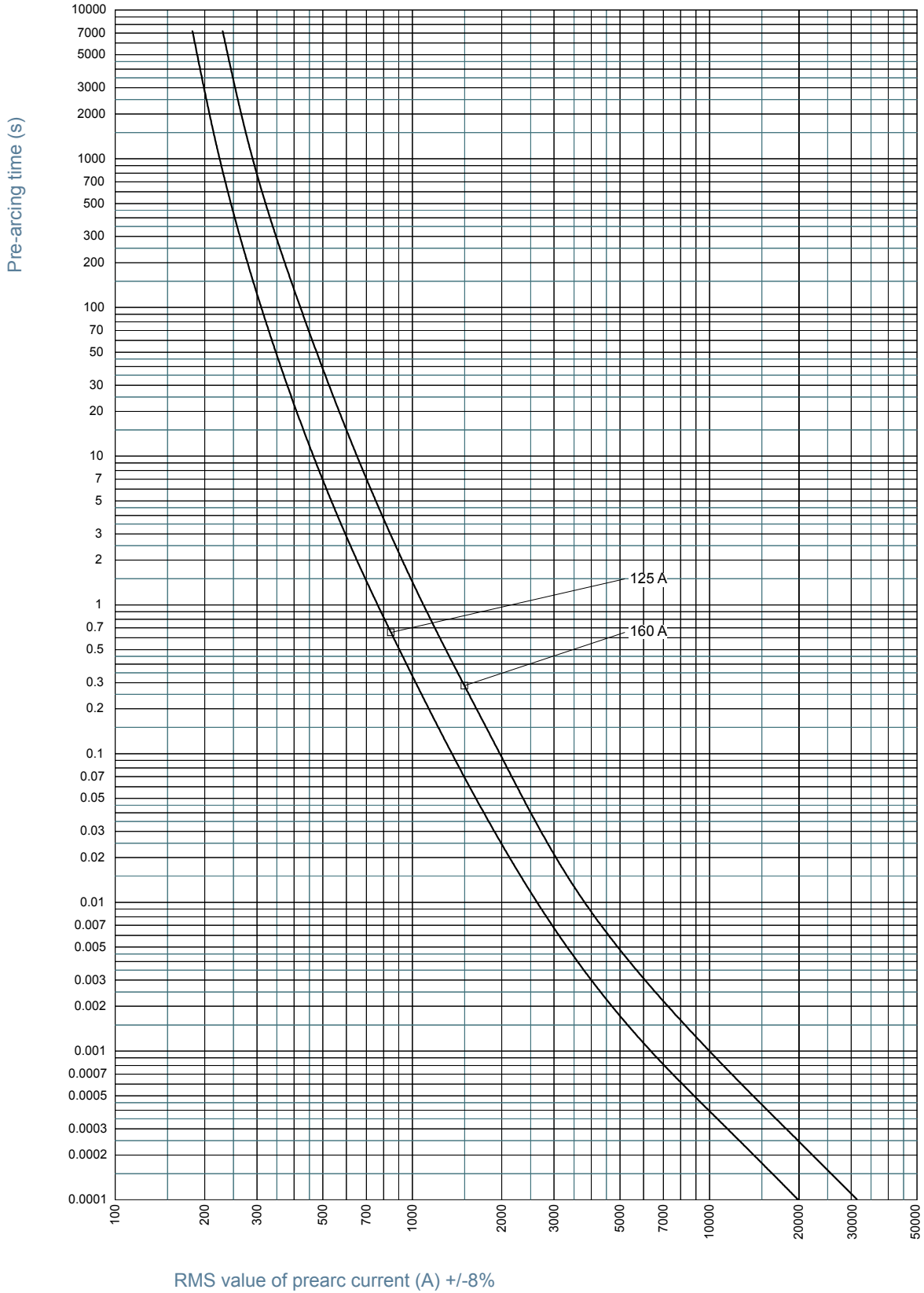
Size 000





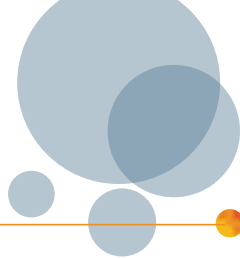
Time current characteristic curves

Size 00



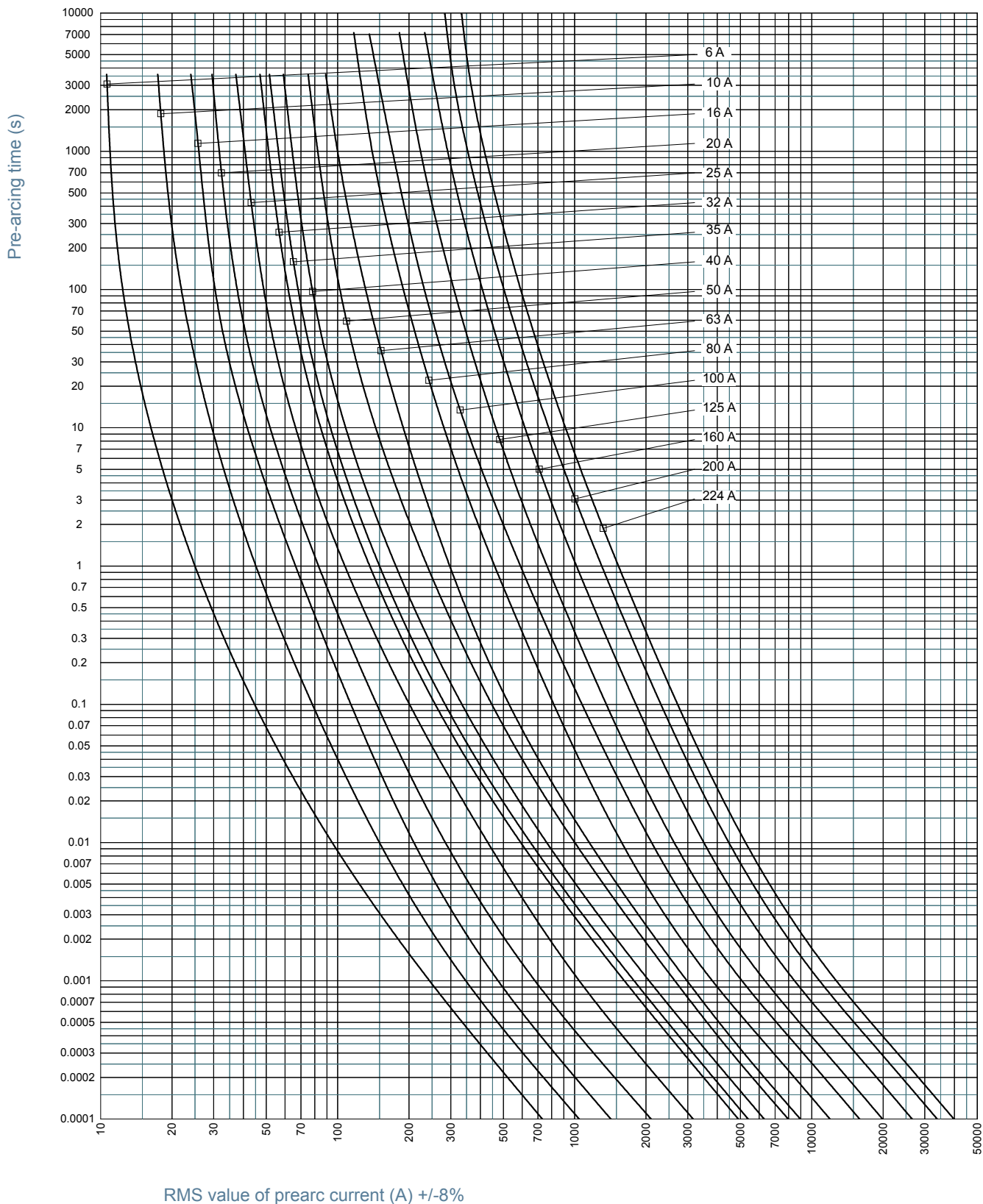
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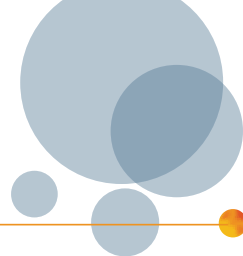
Time current characteristic curves

Size 0



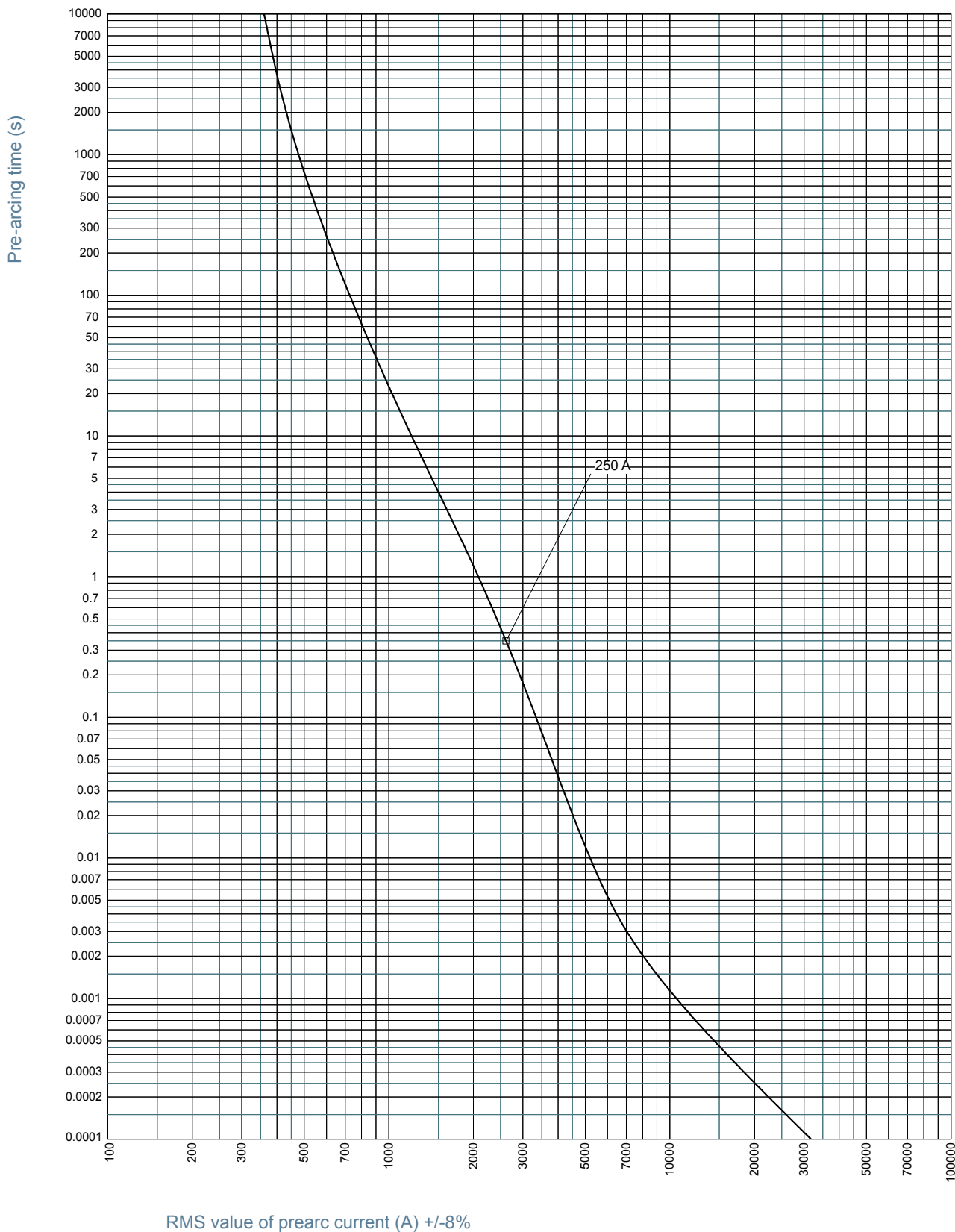
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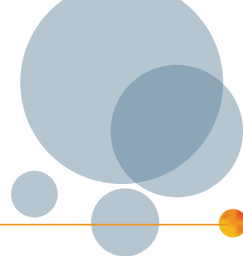
Time current characteristic curves

Size 0



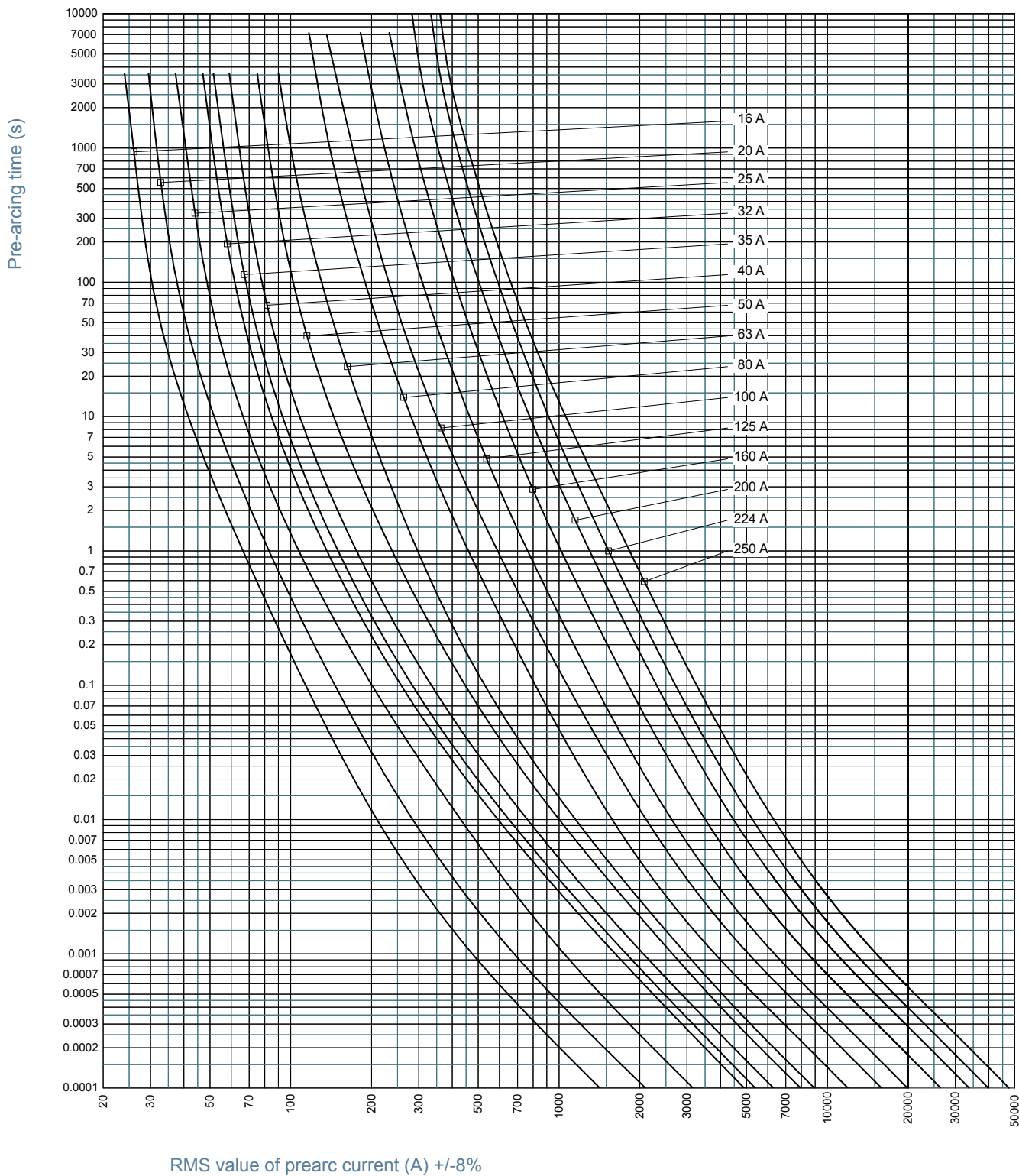
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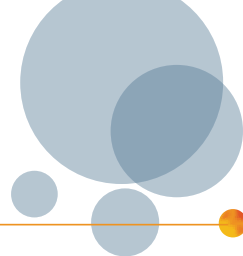
Time current characteristic curves

Size 1



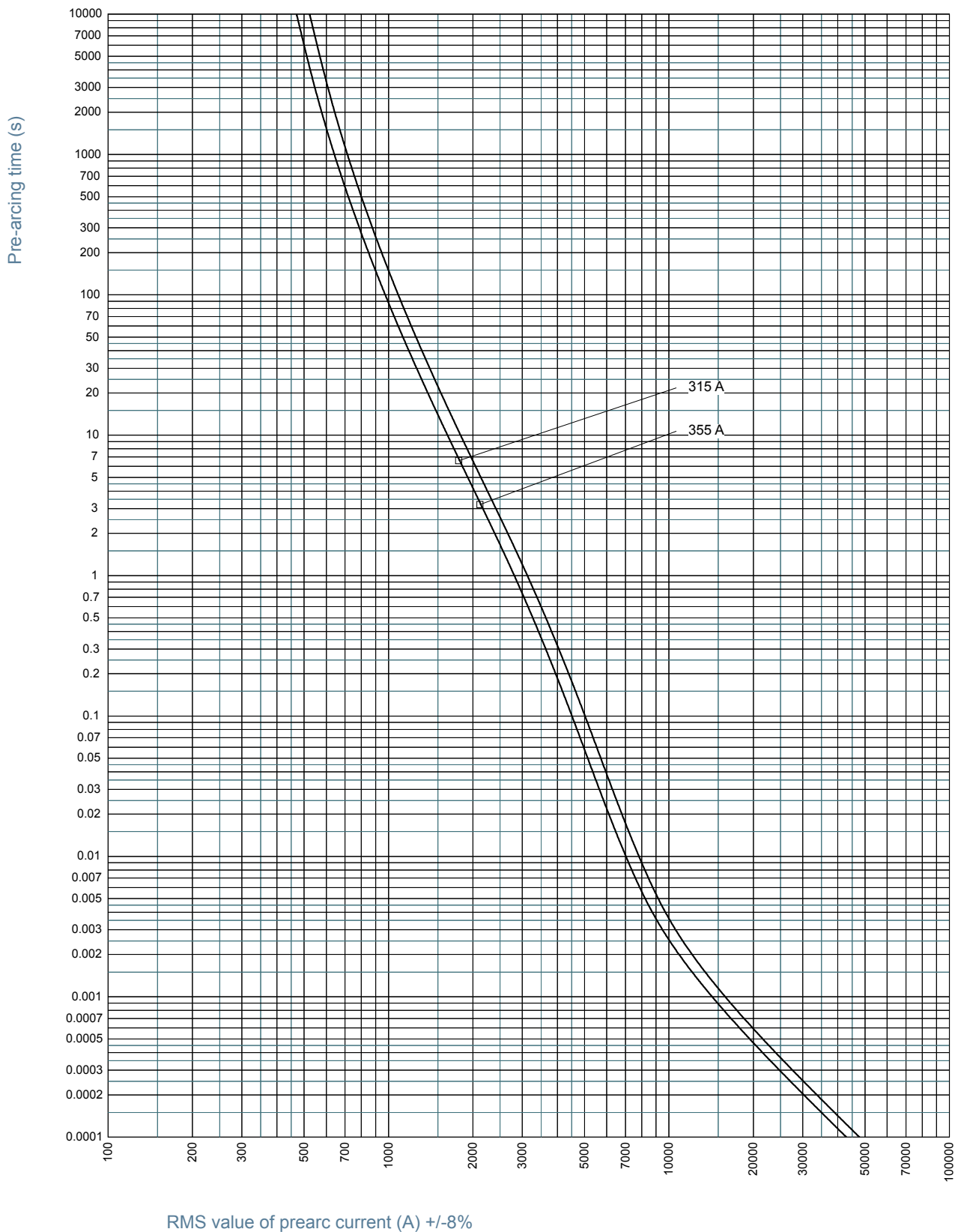
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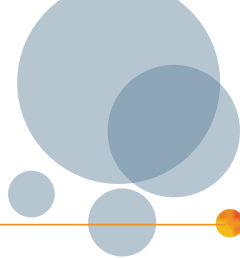
Time current characteristic curves

Size 1



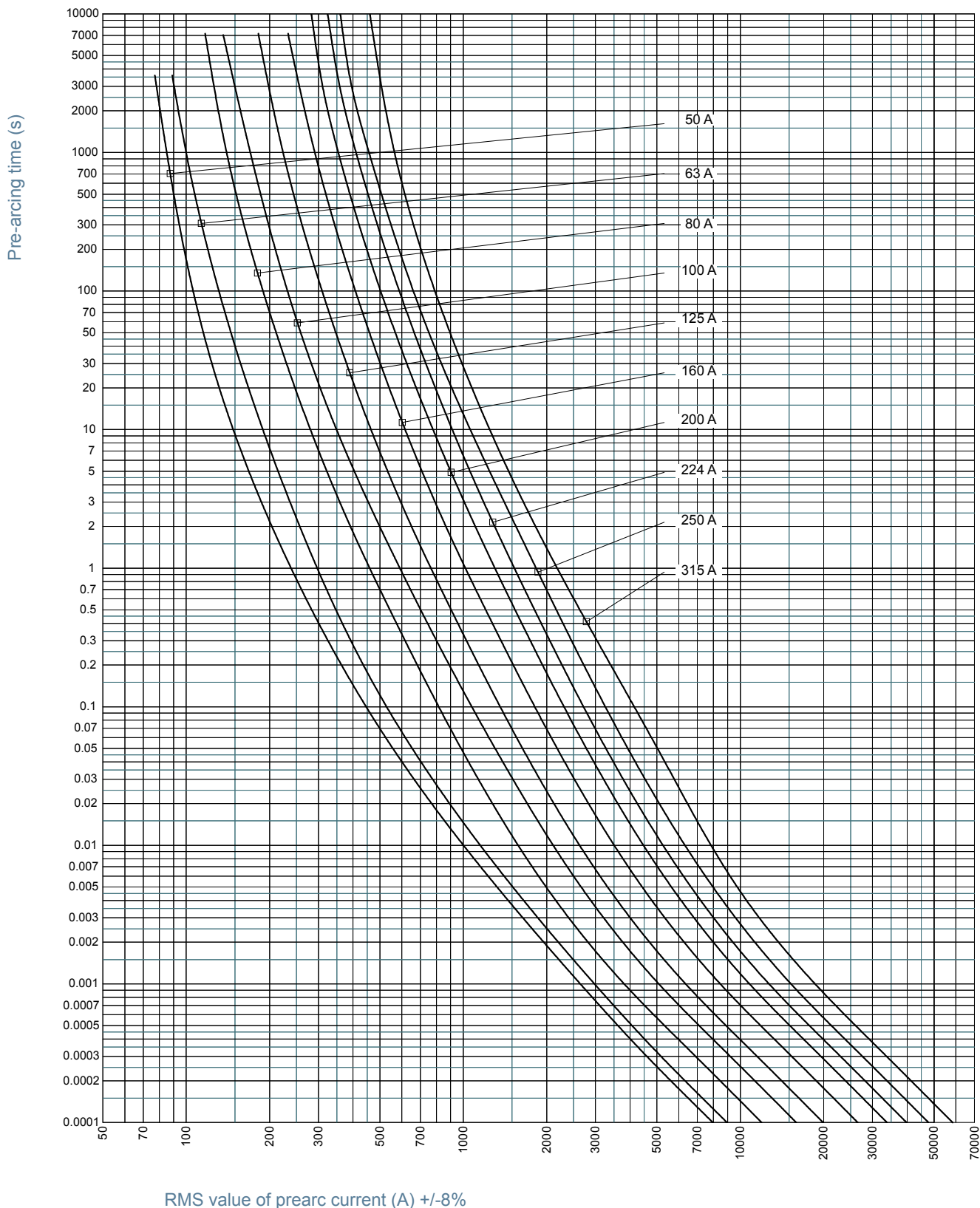
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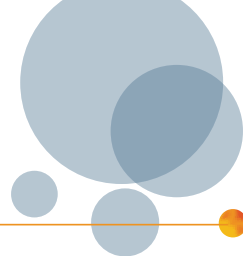
Time current characteristic curves

Size 2



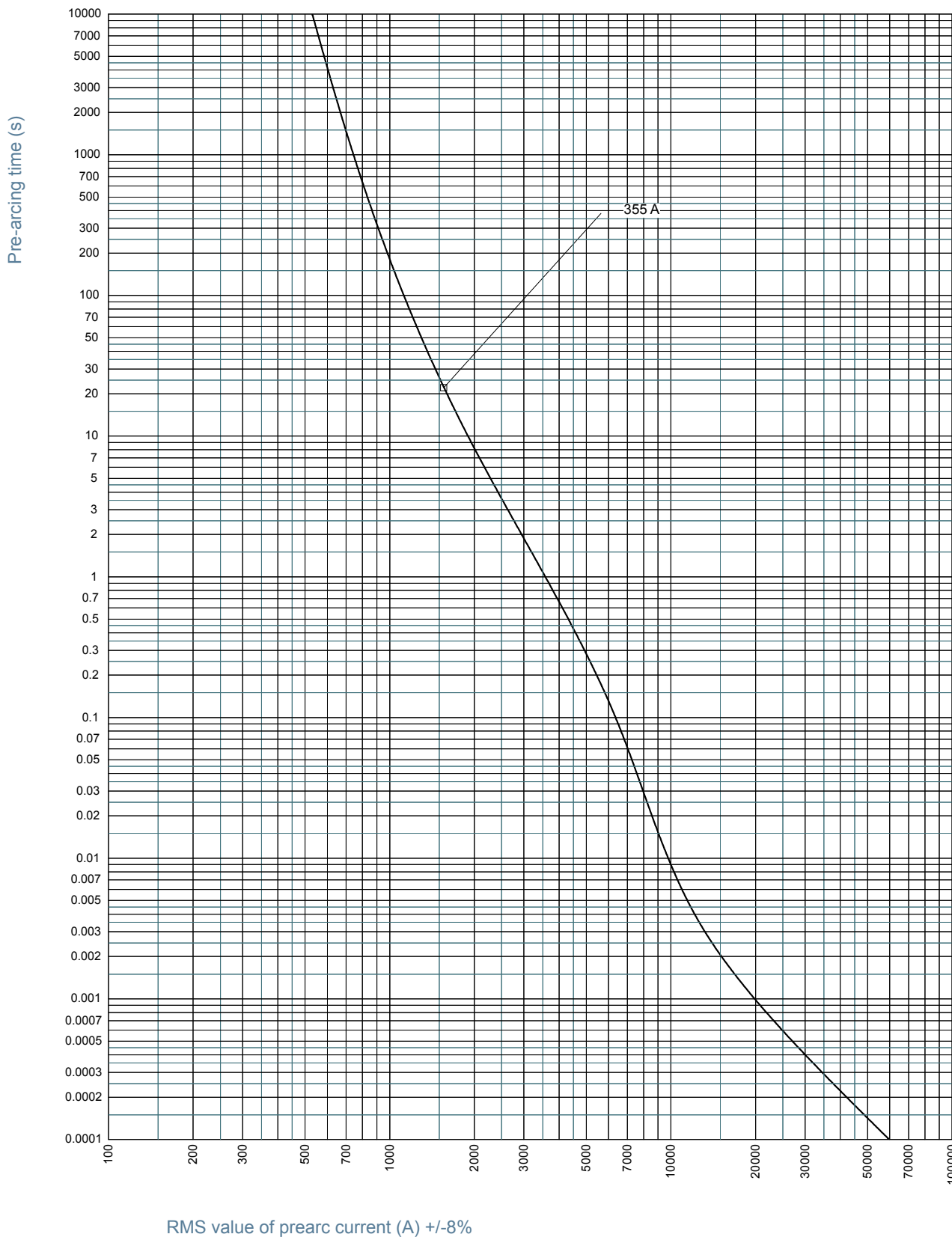
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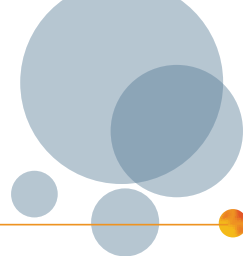
Time current characteristic curves

Size 2



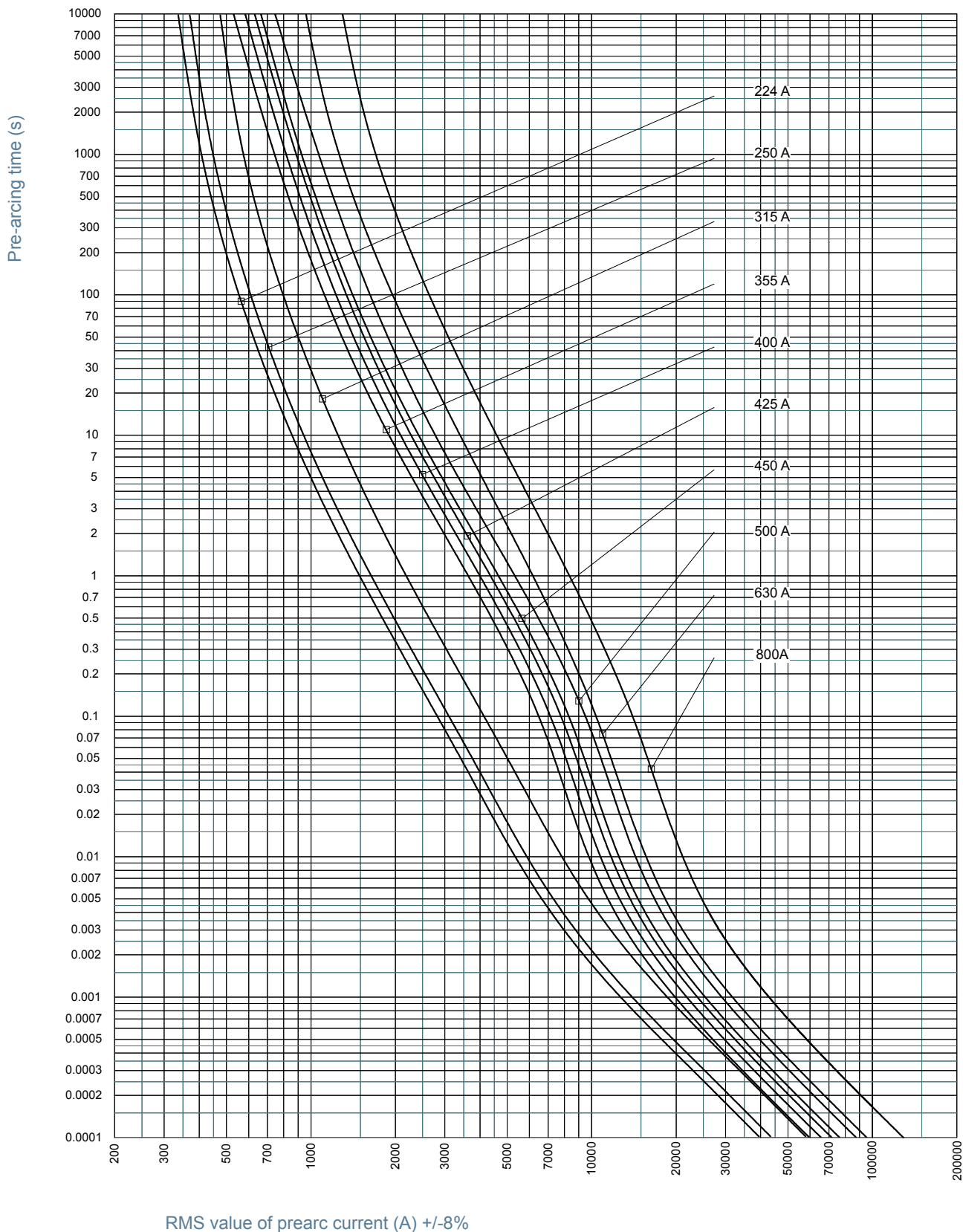
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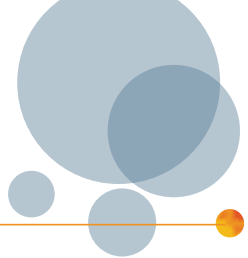
Time current characteristic curves

Size 3



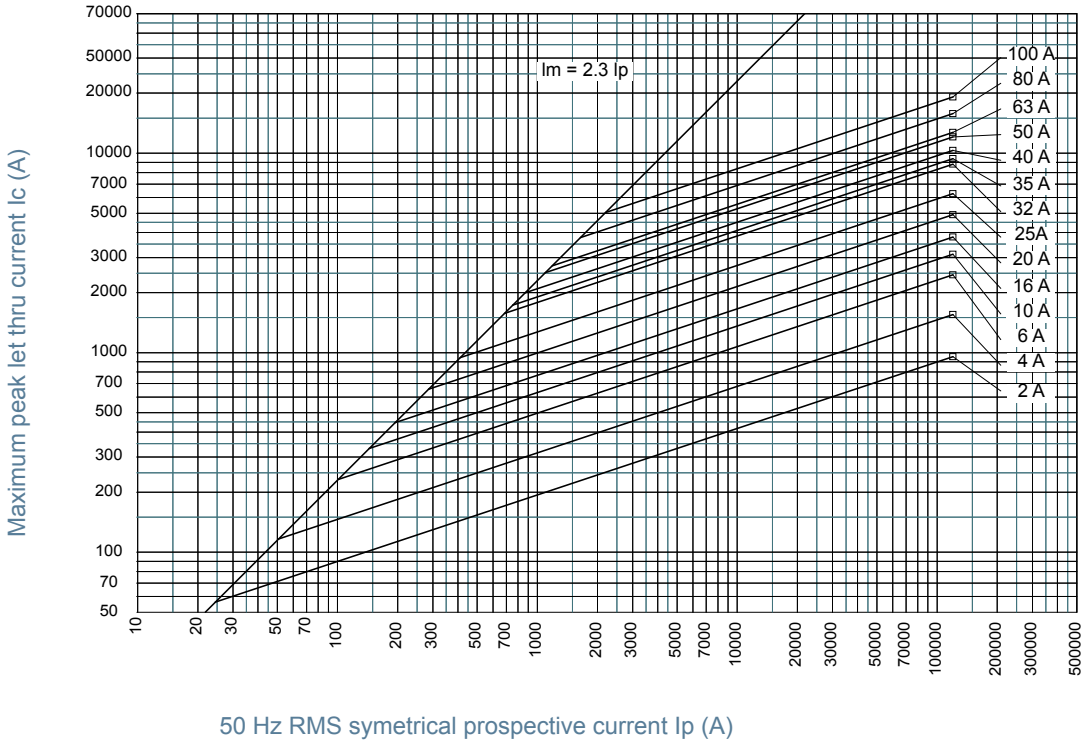
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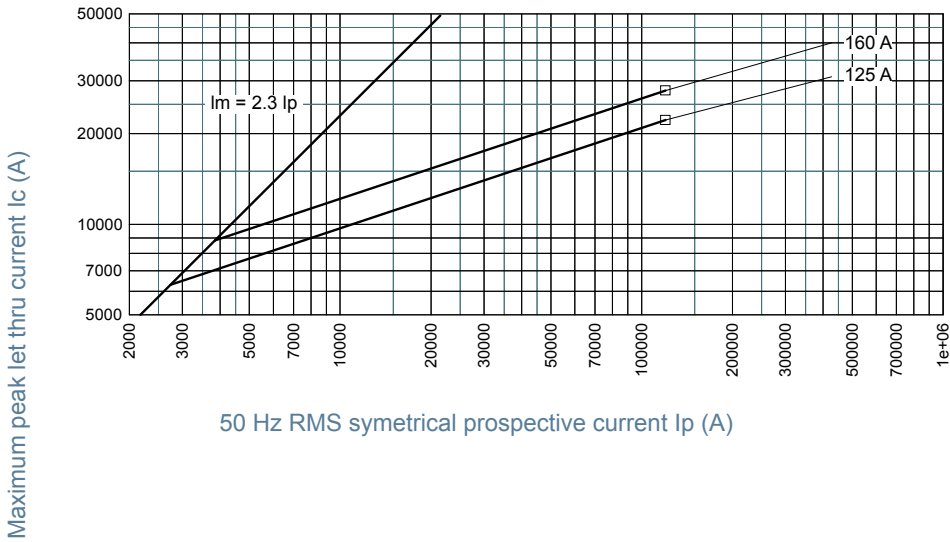


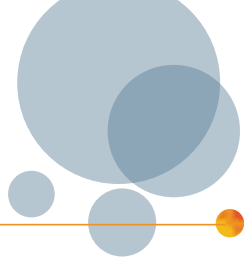
Current limiting diagram

Size 000



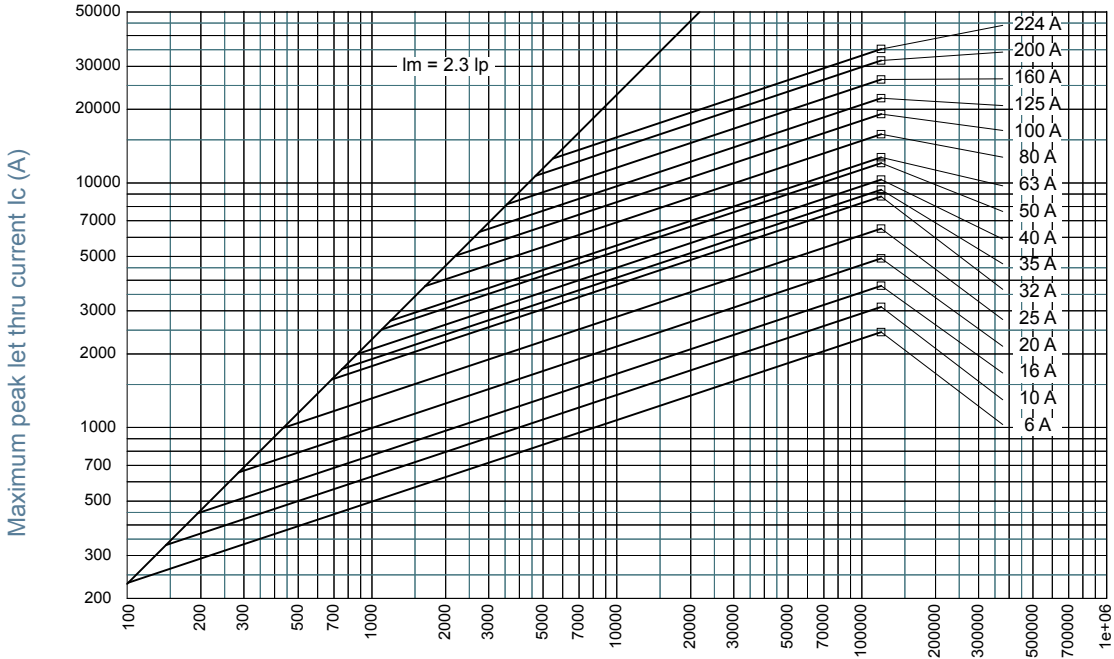
Size 00





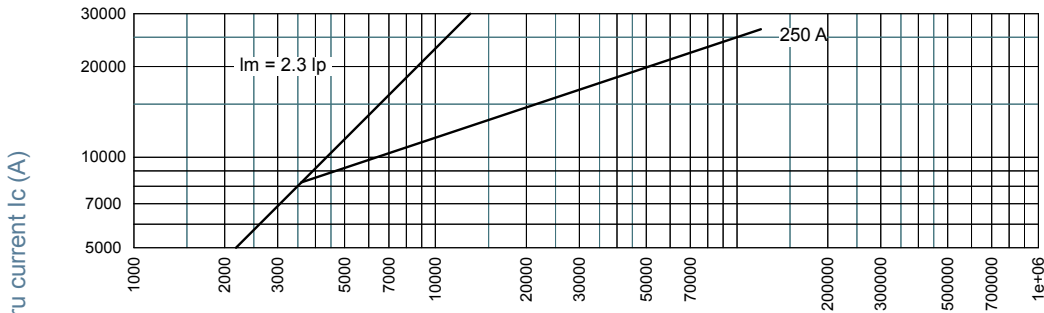
Current limiting diagram

Size 0

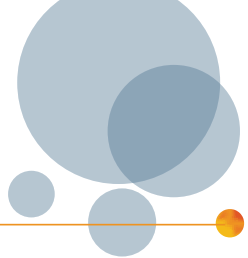


50 Hz RMS symmetrical prospective current I_p (A)

Size 0

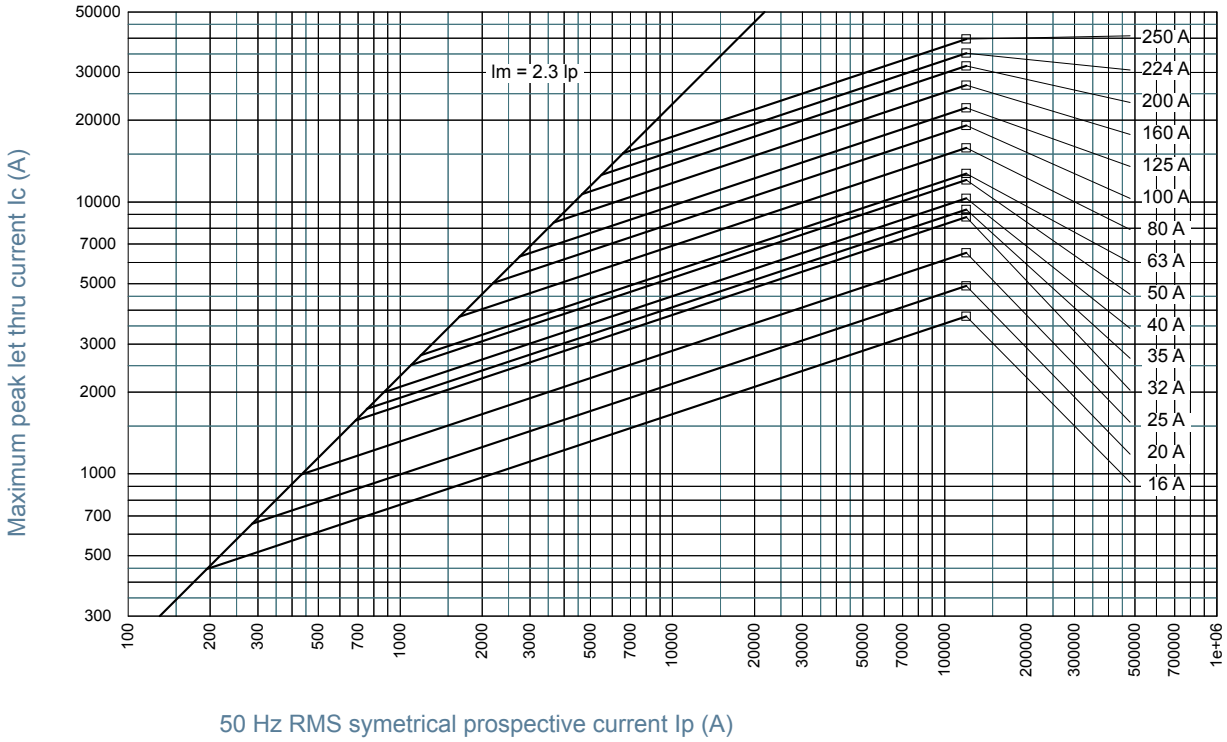


50 Hz RMS symmetrical prospective current I_p (A)

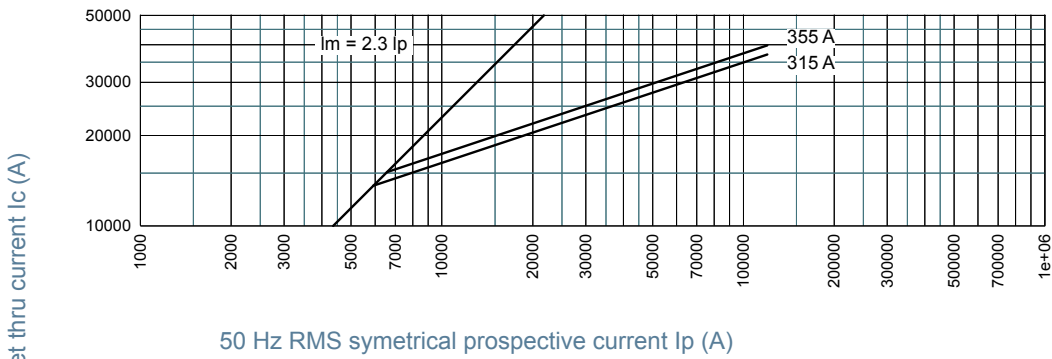


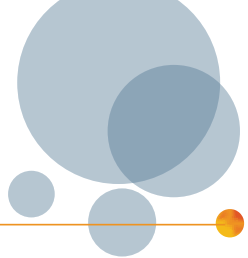
Current limiting diagram

Size 1



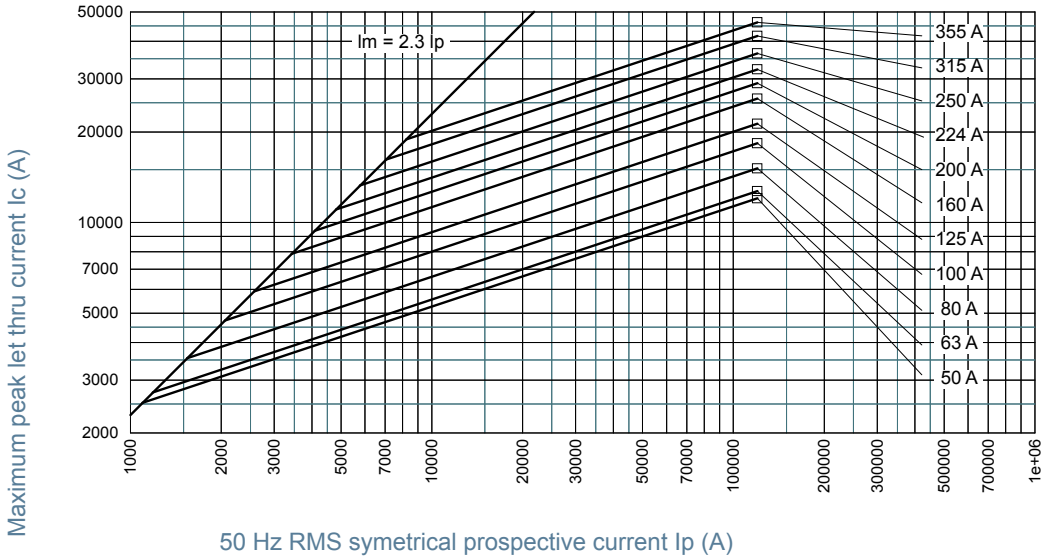
Size 1



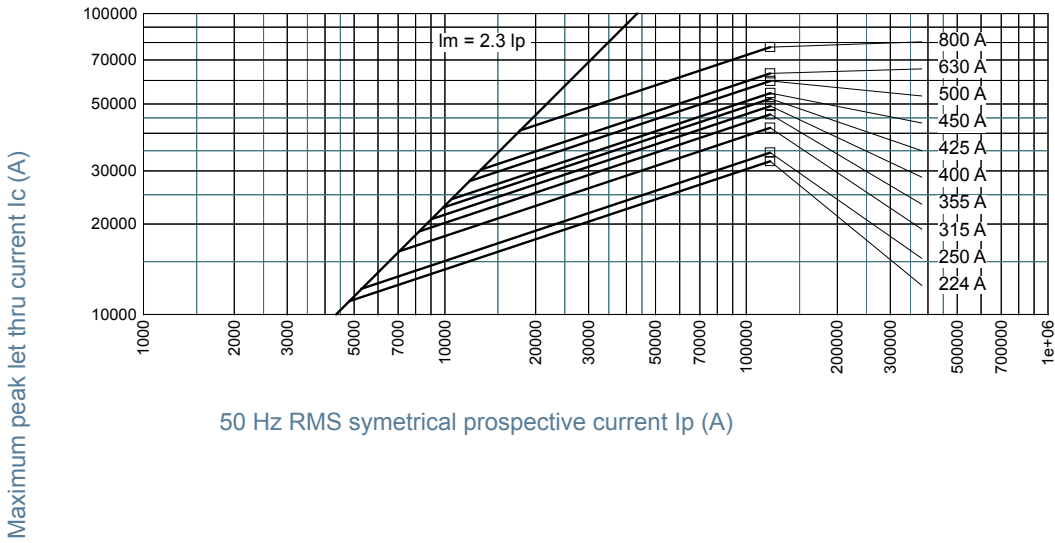


Current limiting diagram

Size 2

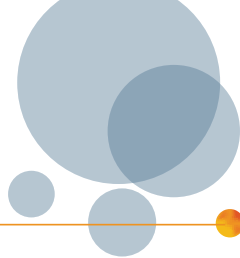


Size 3



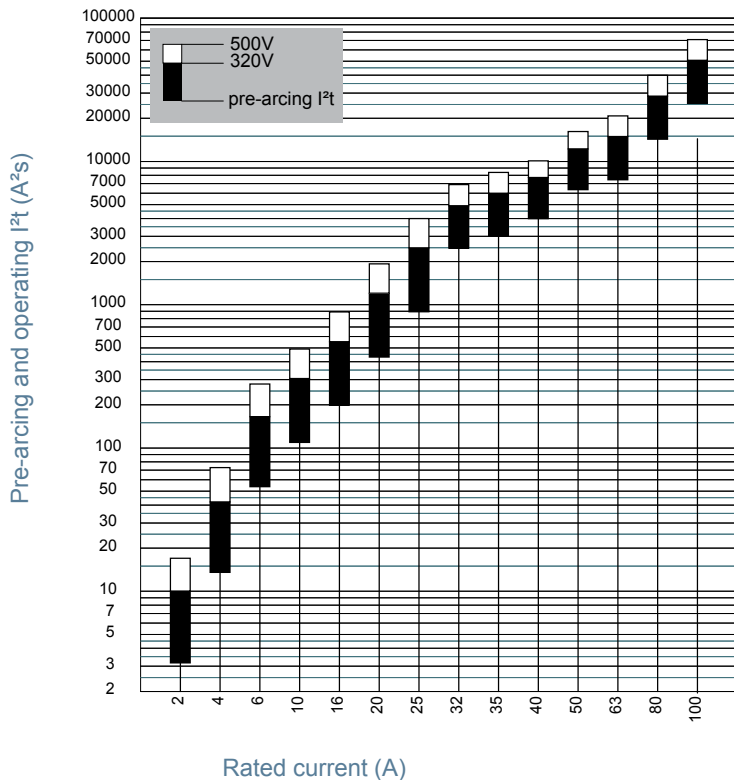
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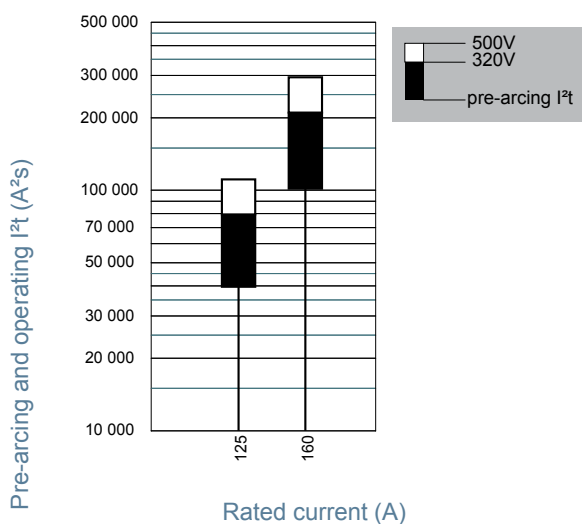


Pre-arcing and operating I²t characteristics

Size 000

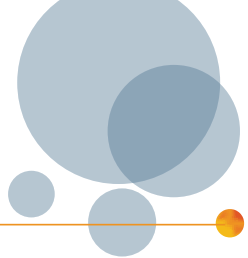


Size 00



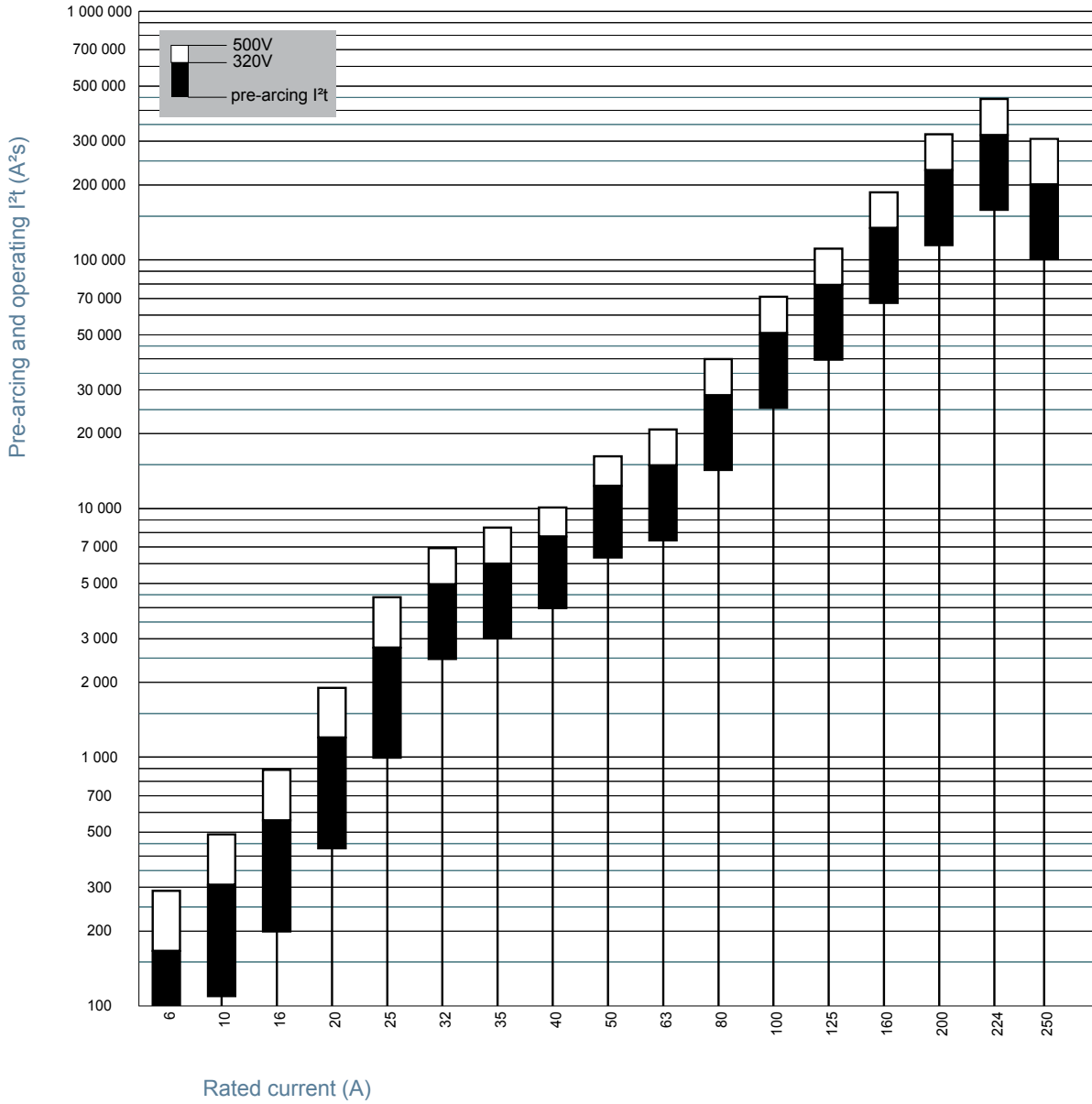
NH fuse-links gG 500VAC

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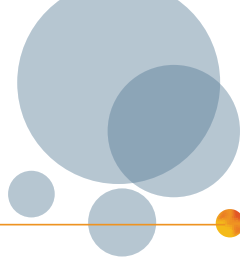
Pre-arcing and operating I²t characteristics

Size 0



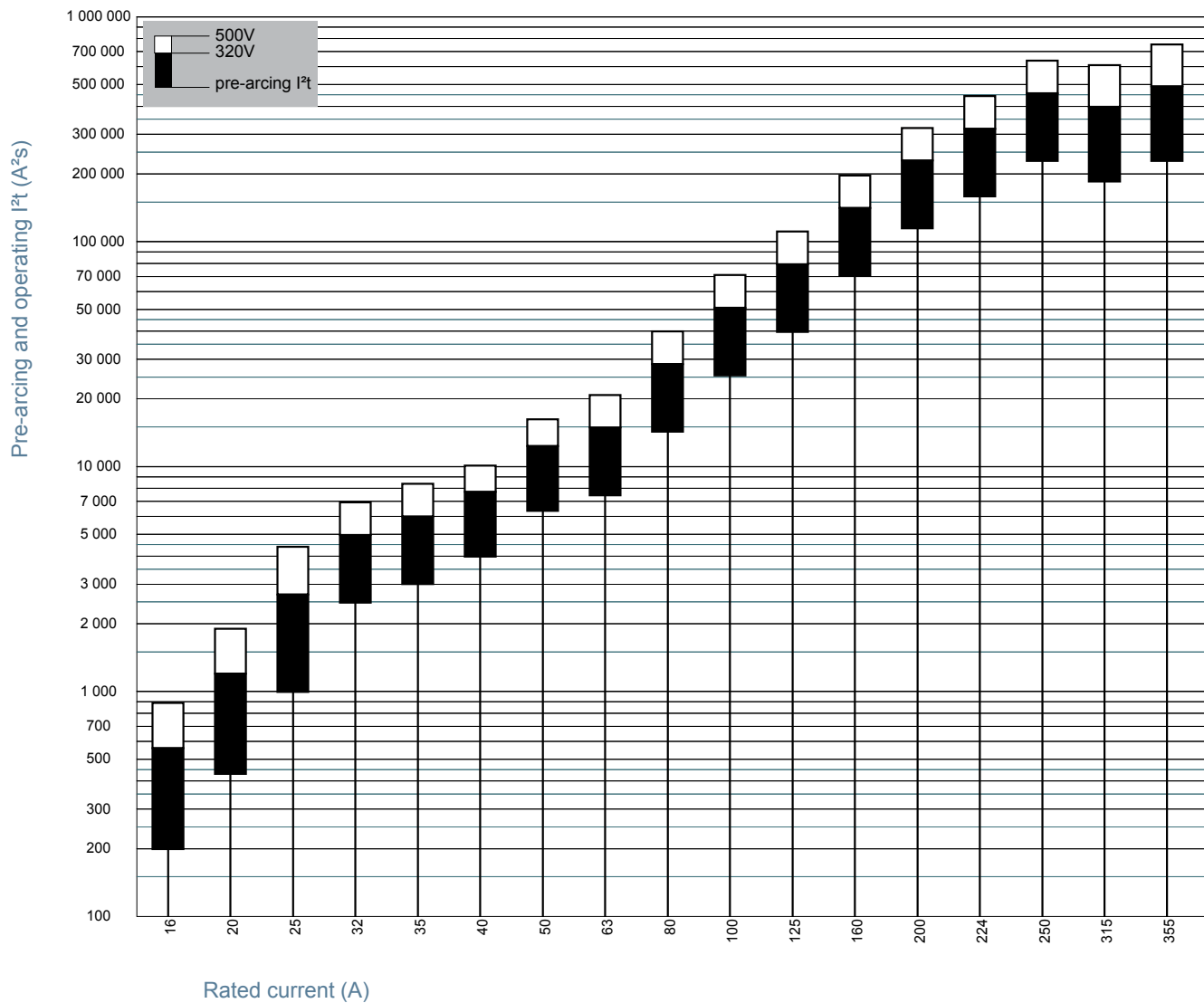
NH fuse-links gG 500VAC

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



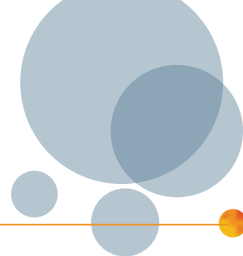
Pre-arcing and operating I²t characteristics

Size 1



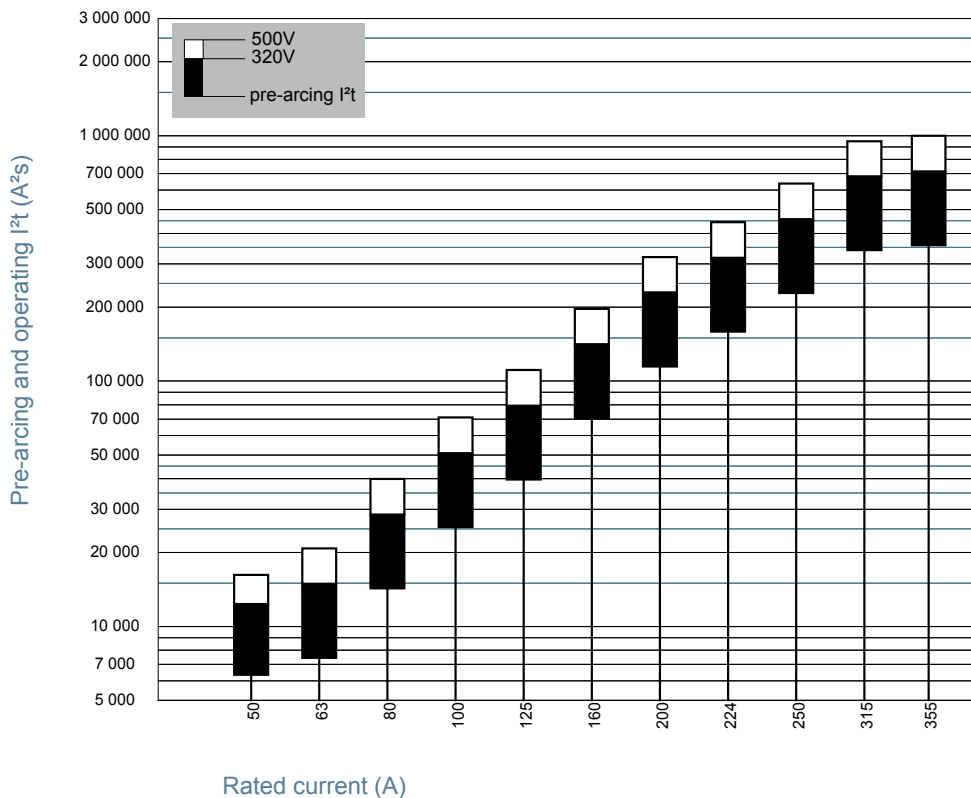
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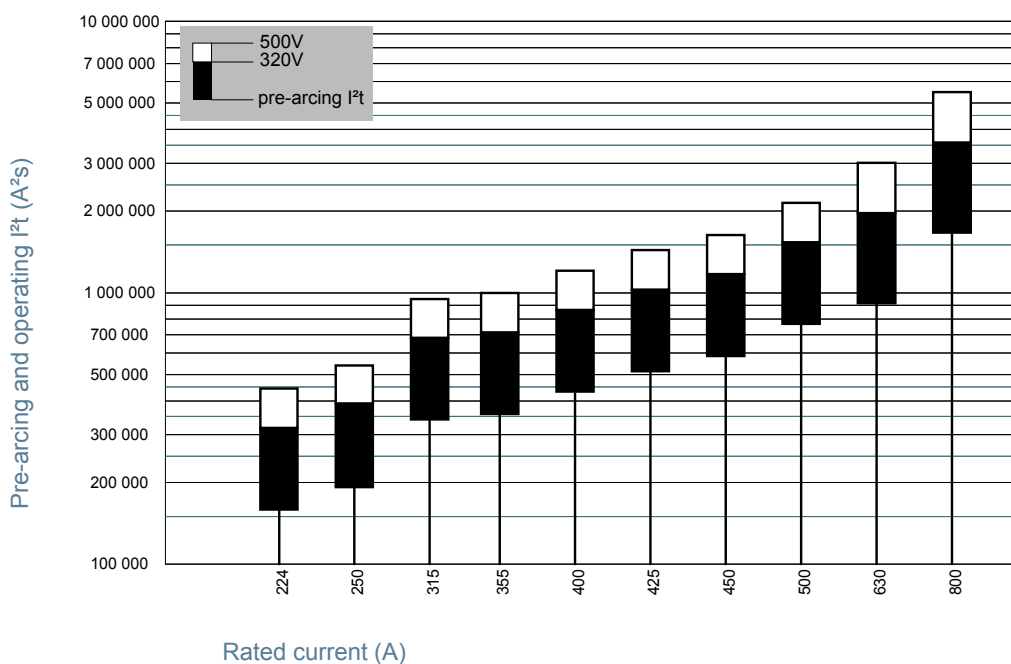


Pre-arcing and operating I²t characteristics

Size 2



Size 3

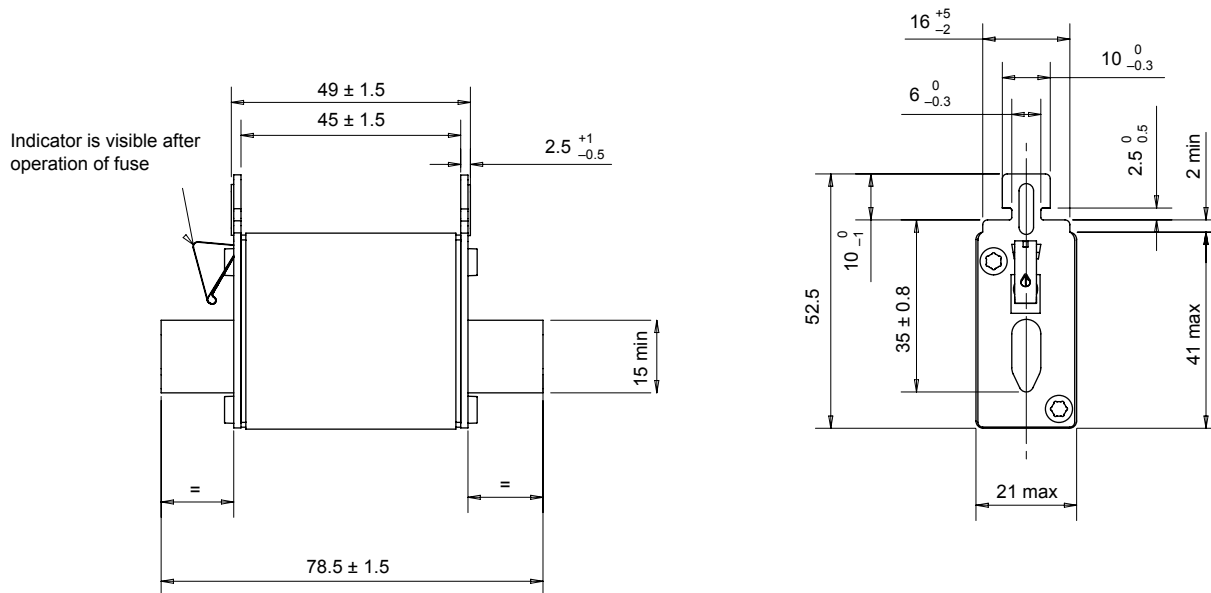


NH fuse-links gG 500VAC

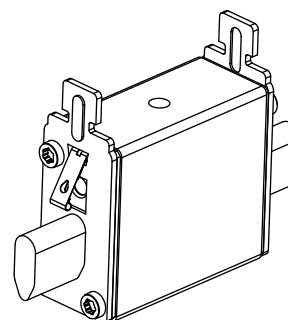
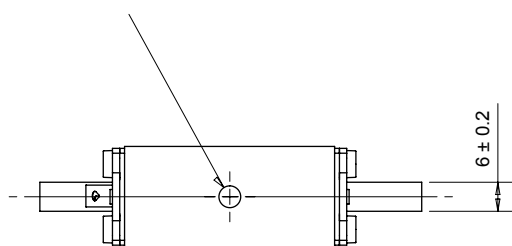
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

Size 000 with double indicator



Visibility of red indicator signals conduction of the fuse-link.
After operation the red indicator is no longer visible.



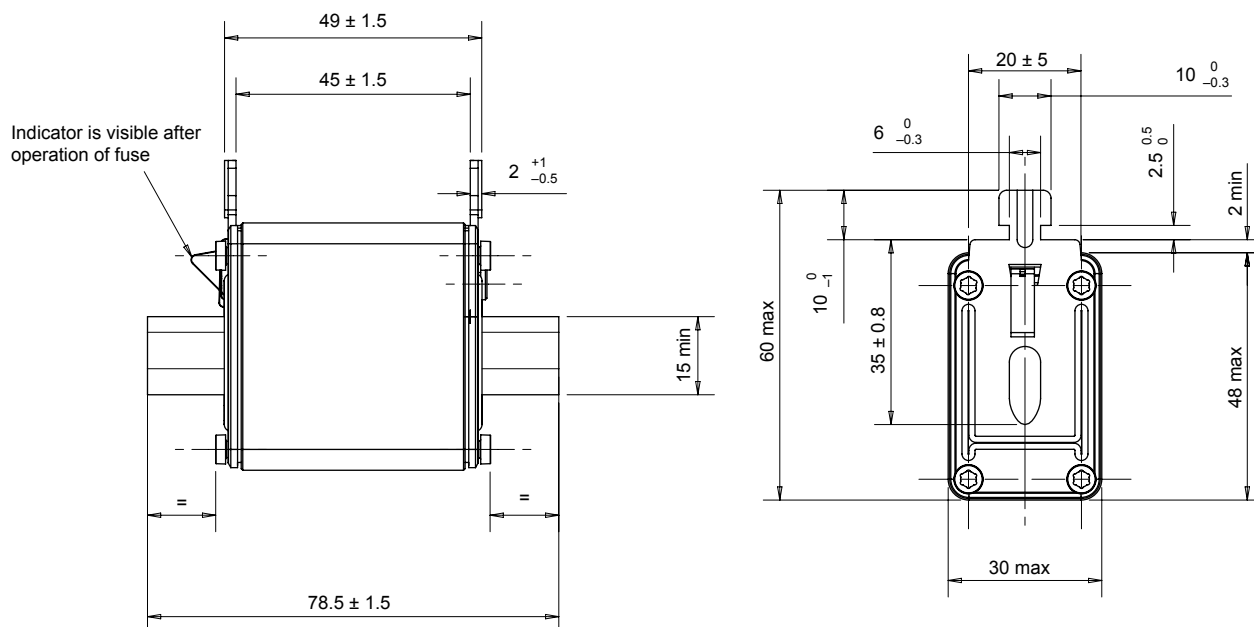
Dimensions in mm

NH fuse-links gG 500VAC

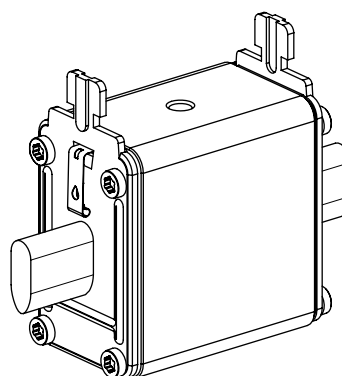
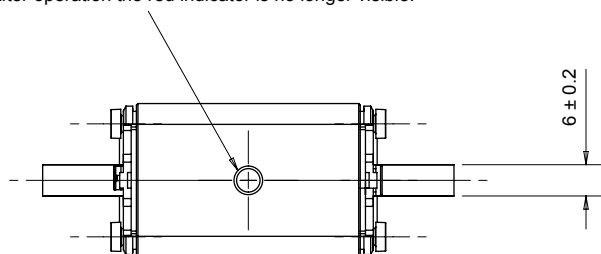
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

Size 00 with double indicator



- Visibility of red indicator signals conduction of the fuse-link. After operation the red indicator is no longer visible.



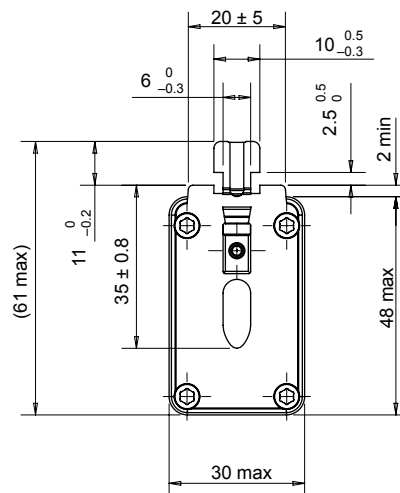
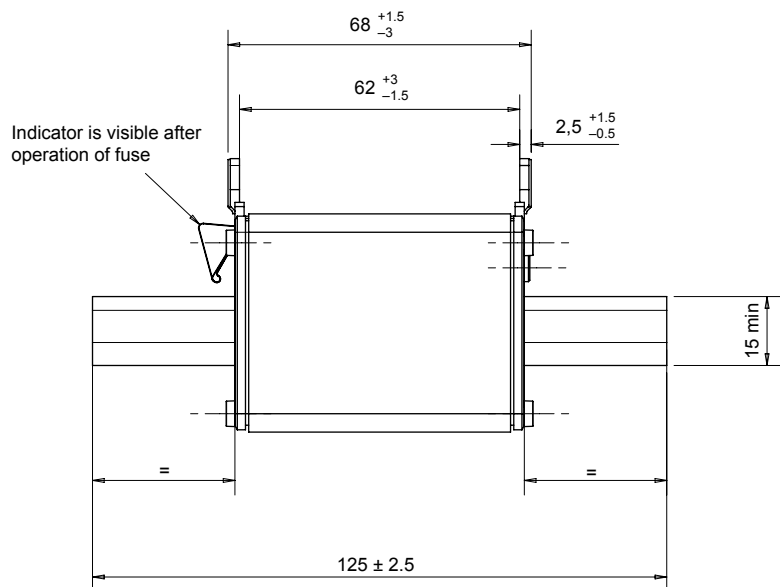
Dimensions in mm

NH fuse-links gG 500VAC

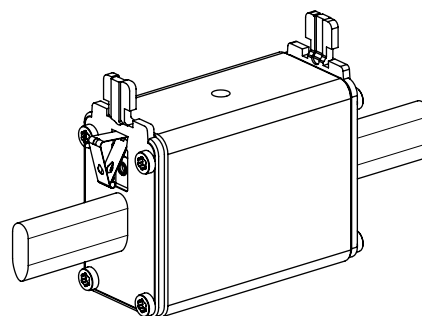
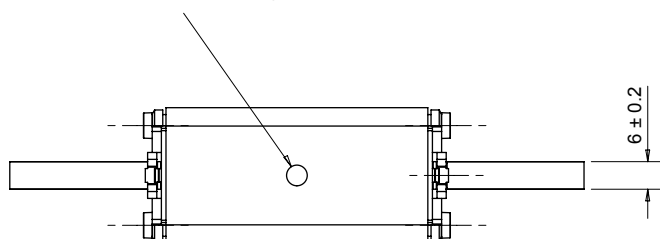
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

Size 0 with double indicator



Visibility of red indicator signals conduction of the fuse-link. After operation the red indicator is no longer visible.



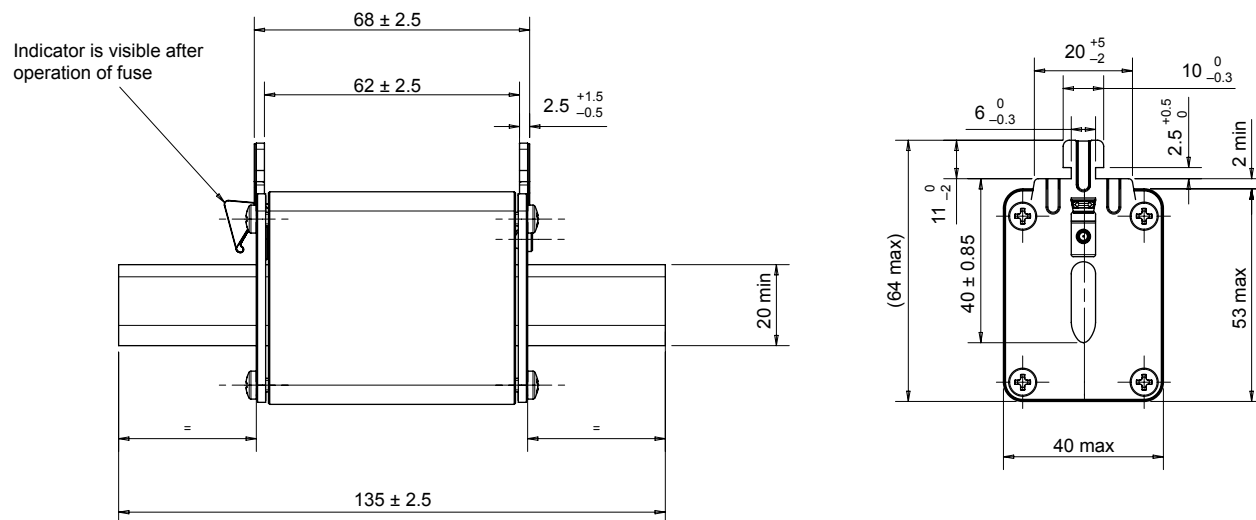
Dimensions in mm

NH fuse-links gG 500VAC

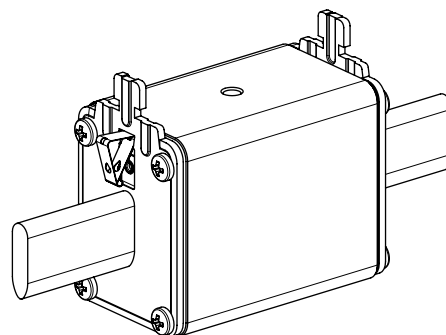
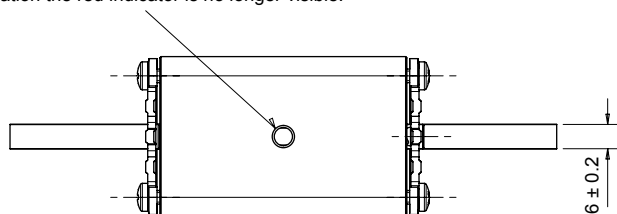
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

Size 1 with double indicator



Visibility of red indicator signals conduction of the fuse-link. After operation the red indicator is no longer visible.



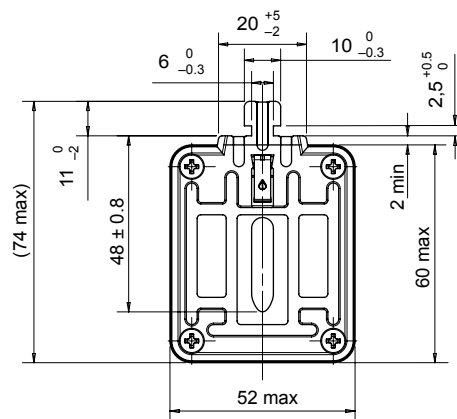
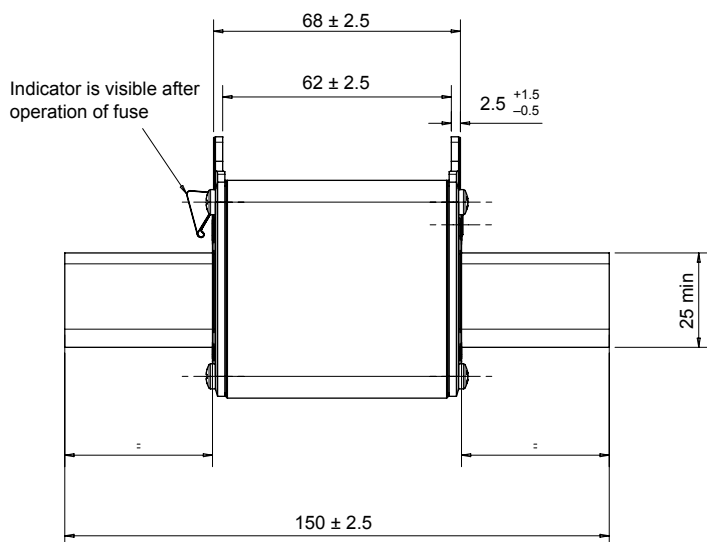
Dimensions in mm

NH fuse-links gG 500VAC

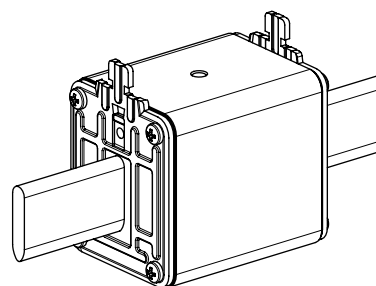
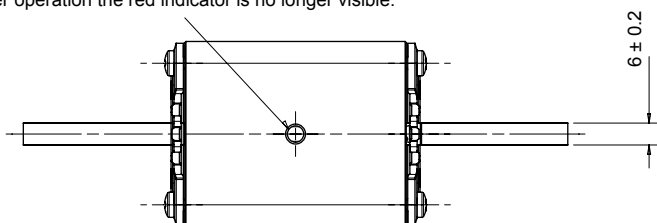
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

Size 2 with double indicator



Visibility of red indicator signals conduction of the fuse-link. After operation the red indicator is no longer visible.



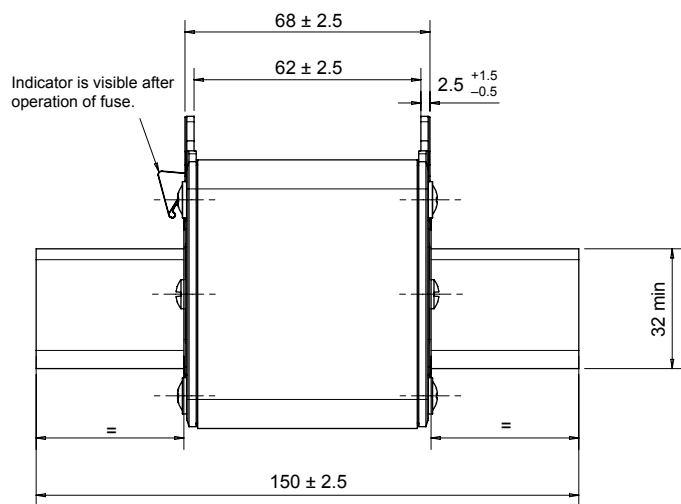
Dimensions in mm

NH fuse-links gG 500VAC

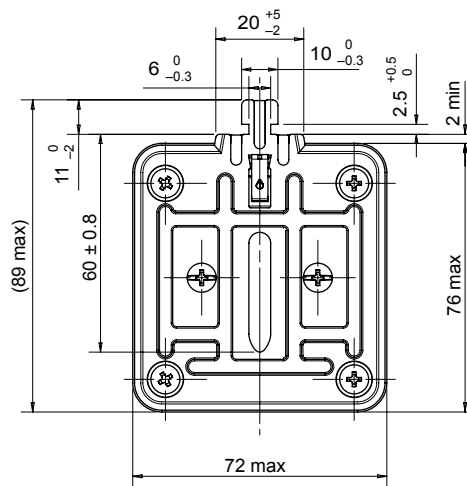
double indicator/live tags size 000, 00, 0, 1, 2, 3

Dimensions

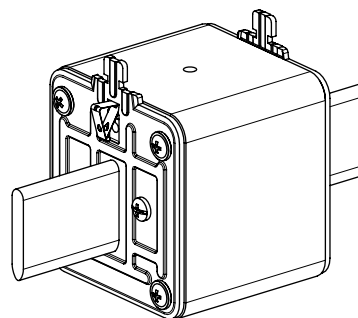
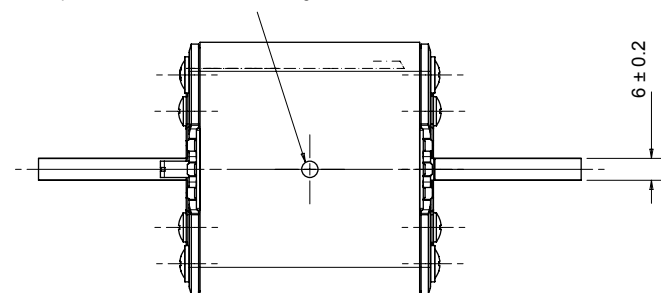
Size 3 with double indicator



Indicator is visible after operation of fuse.



Visibility of red indicator signals conduction of the fuse-link. After operation the red indicator is no longer visible.



Dimensions in mm