Ferrule fuse-links 22x58 aM 500 to 690VAC

LOW VOLTAGE IEC FUSES

IEC CYLINDRICAL FUSE-LINKS



Mersen aM and gG fuse-links cover a wide range of physical sizes and ampere ratings for 400, 500, and 690VAC for protection in electrical distribution circuits and various industrial applications. Most ratings are available in size 8x31 and size 10x38 with an optional indicator, and in size 14x51 and 22x58 with an optional striker to activate an auxiliary contact. Size 10x38 is also available with striker. All cylindrical fuse-links have ceramic bodies and silver-plated contacts.

Cylindrical fuse-links “aM” are partial range fuses. They protect electrical devices in case of unacceptable high short-circuit against destruction due high current limiting and low thermal let-through values. They cut off currents more than 6.3xIn until the maximum breaking capacity (rated breaking capacity). Cylindrical fuse-links “aM” are mainly used for the protection of installation switch gear in otor circuit currents. For classification of the cylindrical fuse-links the nominal current of the fuse-link can be selected respective to the nominal current of the motor.

Our technology and process was designed to ensure highly reliable technical performance.

TECHNICAL DATA OVERVIEW

Voltage Range AC	500 ... 690 VAC
Ampere Range (A)	1 ... 125 A
Speed/Characteristic	aM
I.R. AC (IEC)	120 kA
Body Material	Ceramic
Body Style	cylindrical
Contact Materials	Silver plated copper
Product Size	22x58 mm

FEATURES & BENEFITS

- Reduced size
- Striker version available for remote indication of fuse operation
- Safest and most reliable protection system

APPLICATIONS

- aM type for protection of motors, transformers and other loads with in-rush currents.

STANDARDS

- IEC 60269-1 & -2
- Approved by Lloyd’s Register of Shipping and Bureau Veritas

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PRODUCT RANGE



FR22AM50V125

Size 22x58 aM 500/690VAC without striker

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Rated breaking capacity AC	Power dissipation at I_n	Weight
FR22AM69V1	M219776	690 V	1 A	120 kA	0.2 W	54 g
FR22AM69V2	T222220	690 V	2 A	120 kA	0.25 W	54 g
FR22AM69V4	Q222976	690 V	4 A	120 kA	0.35 W	54 g
FR22AM69V6	Y200765	690 V	6 A	120 kA	0.45 W	54 g
FR22AM69V8	N201308	690 V	8 A	120 kA	0.6 W	54 g
FR22AM69V10	X201822	690 V	10 A	120 kA	0.75 W	54 g
FR22AM69V12	T211042	690 V	12 A	120 kA	0.85 W	54 g
FR22AM69V16	M211565	690 V	16 A	120 kA	1.15 W	54 g
FR22AM69V20	S212076	690 V	20 A	120 kA	1.35 W	54 g
FR22AM69V25	J212597	690 V	25 A	120 kA	1.7 W	54 g
FR22AM69V32	V213113	690 V	32 A	120 kA	2.2 W	54 g
FR22AM69V40	N213613	690 V	40 A	120 kA	2.7 W	54 g
FR22AM69V50	R214122	690 V	50 A	120 kA	3.6 W	54 g
FR22AM69V63	C215650	690 V	63 A	120 kA	4.8 W	54 g
FR22AM69V80	H216667	690 V	80 A	120 kA	6.2 W	54 g
FR22AM50V100	Y217693	500 V	100 A	120 kA	6.65 W	54 g
FR22AM50V125	J218209	500 V	125 A	120 kA	9.9 W	54 g



FR22AM50V100P

Size 22x58 aM 500/690VAC with striker

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Rated breaking capacity AC	Power dissipation at I_n	Weight
FR22AM69V1P	E215652	690 V	1 A	120 kA	0.2 W	54 g
FR22AM69V2P	J216162	690 V	2 A	120 kA	0.25 W	54 g
FR22AM69V4P	A217695	690 V	4 A	120 kA	0.35 W	54 g
FR22AM69V6P	Y218728	690 V	6 A	120 kA	0.45 W	54 g
FR22AM69V8P	Q219779	690 V	8 A	120 kA	0.6 W	54 g
FR22AM69V10P	S222978	690 V	10 A	120 kA	0.75 W	54 g
FR22AM69V12P	R201311	690 V	12 A	120 kA	0.85 W	54 g
FR22AM69V16P	W211044	690 V	16 A	120 kA	1.15 W	54 g
FR22AM69V20P	W212079	690 V	20 A	120 kA	1.35 W	54 g
FR22AM69V25P	Q213615	690 V	25 A	120 kA	1.7 W	54 g
FR22AM69V32P	X214633	690 V	32 A	120 kA	2.2 W	54 g
FR22AM69V40P	F215653	690 V	40 A	120 kA	2.7 W	54 g
FR22AM69V50P	K216669	690 V	50 A	120 kA	3.6 W	54 g
FR22AM69V63P	A1022166	690 V	63 A	120 kA	4.8 W	54 g
FR22AM69V80P	C1022168	690 V	80 A	120 kA	6.2 W	54 g
FR22AM50V63P	B217696	500 V	63 A	120 kA	4.8 W	54 g
FR22AM50V80P	Z218729	500 V	80 A	120 kA	6.2 W	54 g
FR22AM50V100P	T222979	500 V	100 A	120 kA	6.65 W	54 g
FR22AM50V125P	S201312	500 V	125 A	120 kA	9.9 W	54 g

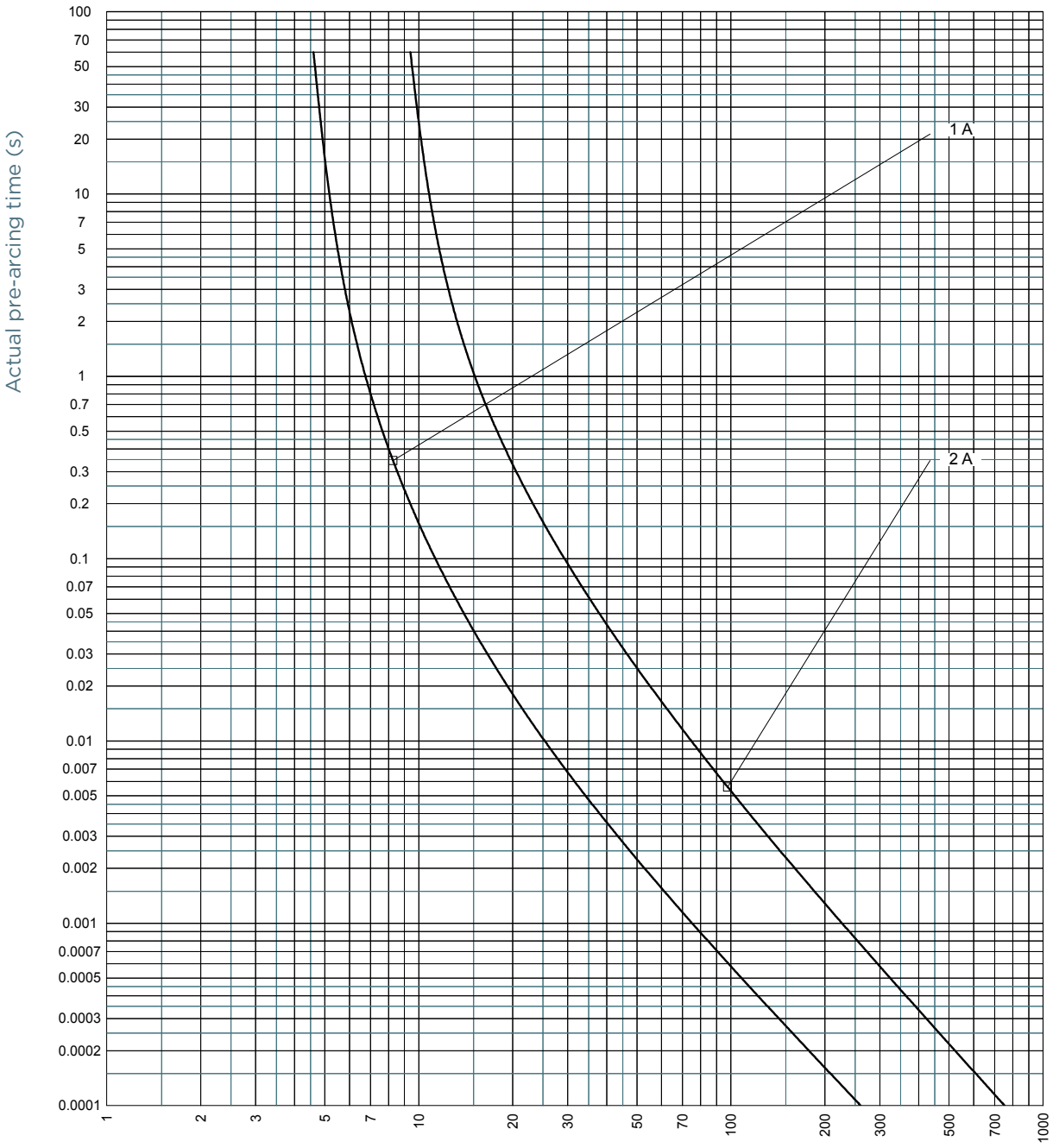
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TIME CURRENT CHARACTERISTIC CURVES

Size 22x58 690V aM



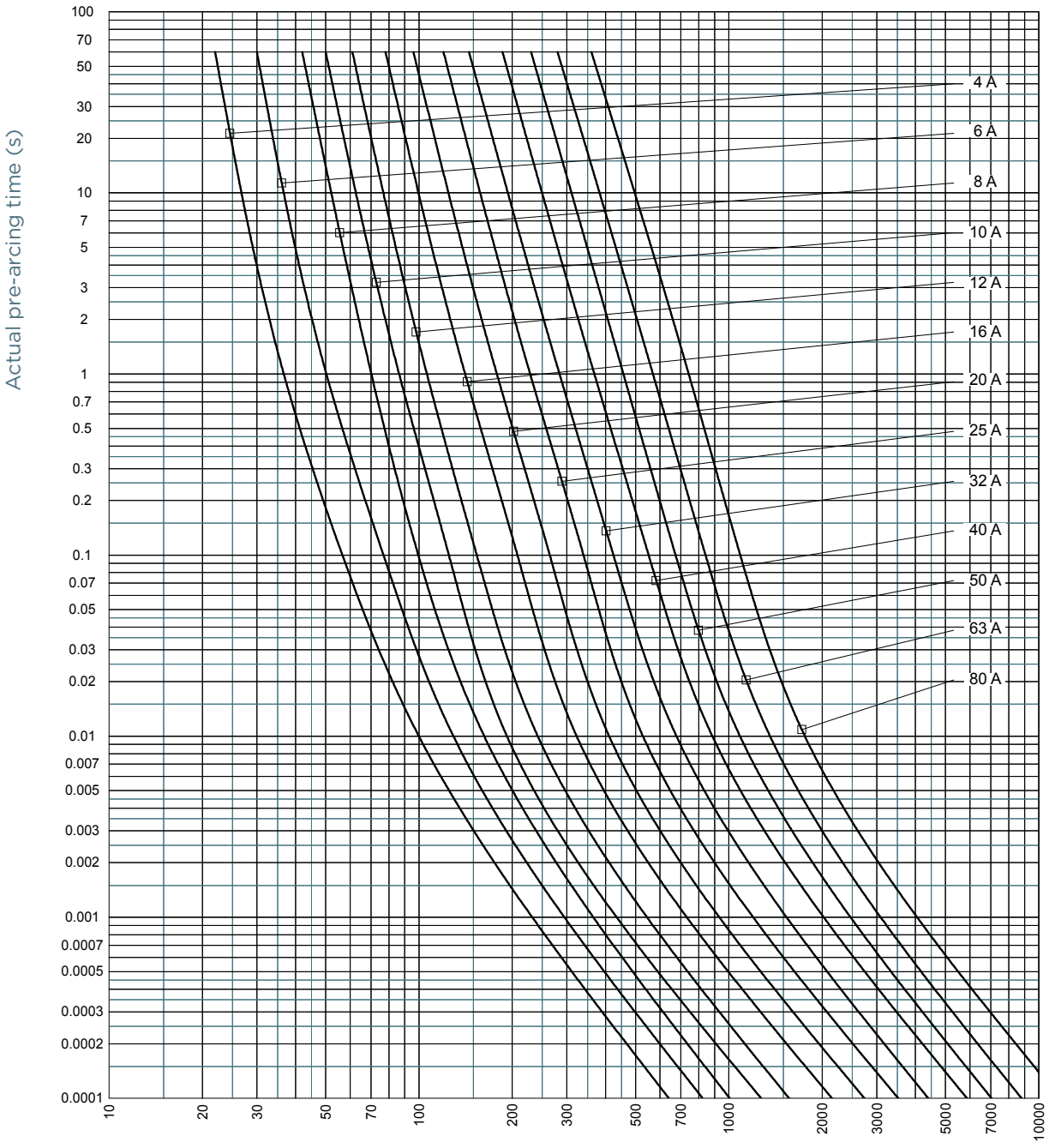
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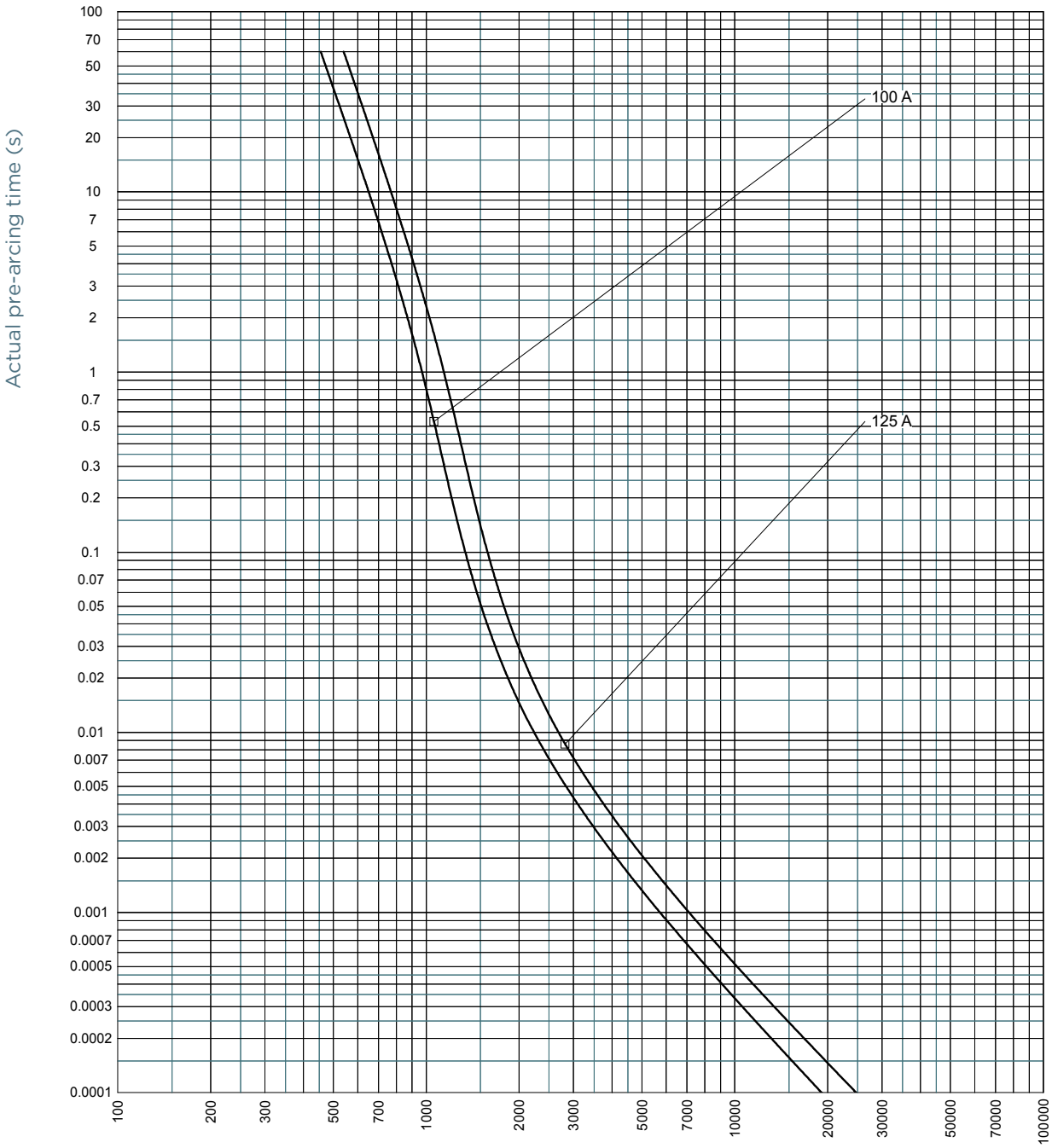
Size 22x58 690V aM



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TIME CURRENT CHARACTERISTIC CURVES

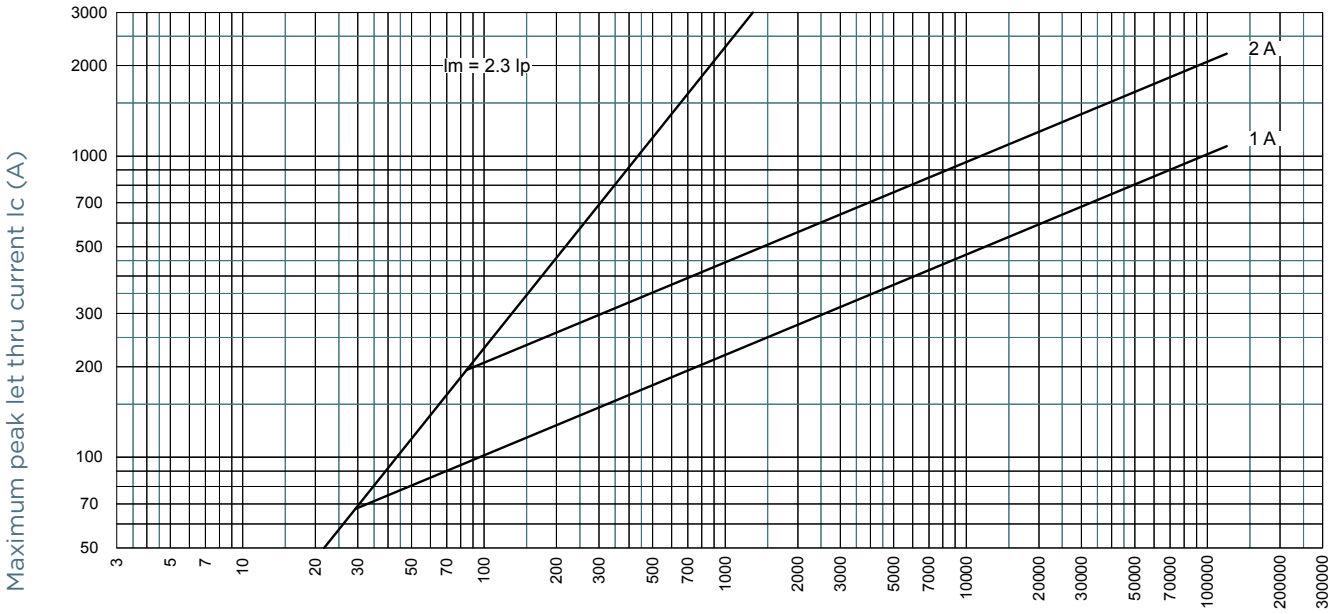
Size 22x58 500V aM



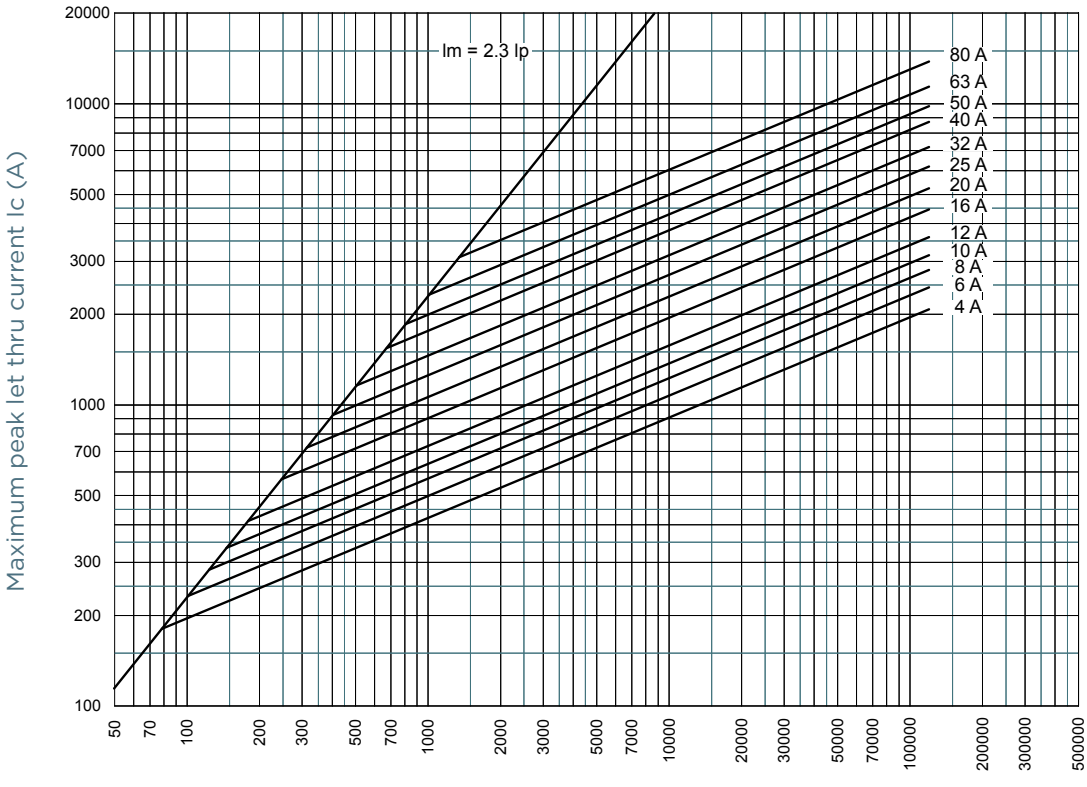
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CUT-OFF CURRENT CHARACTERISTIC

Size 22x58 690V aM



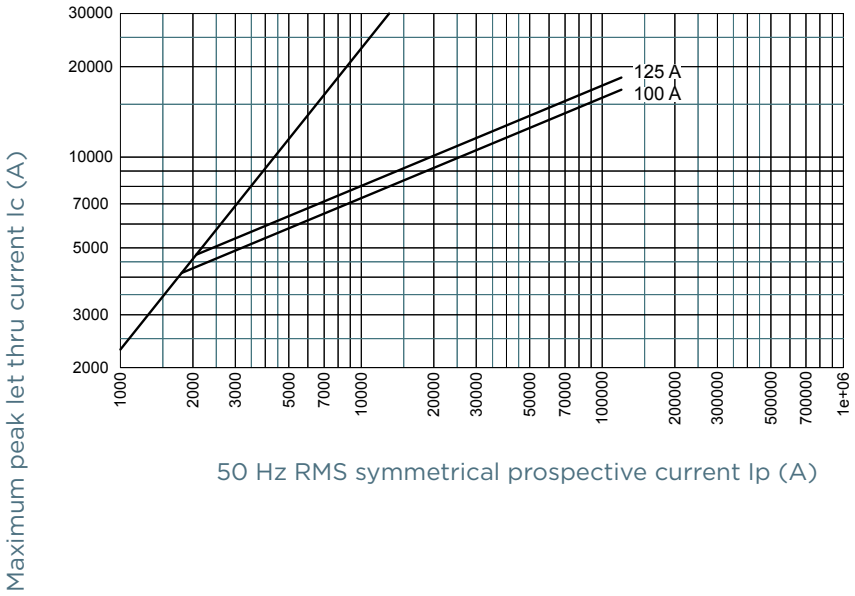
Size 22x58 690V aM



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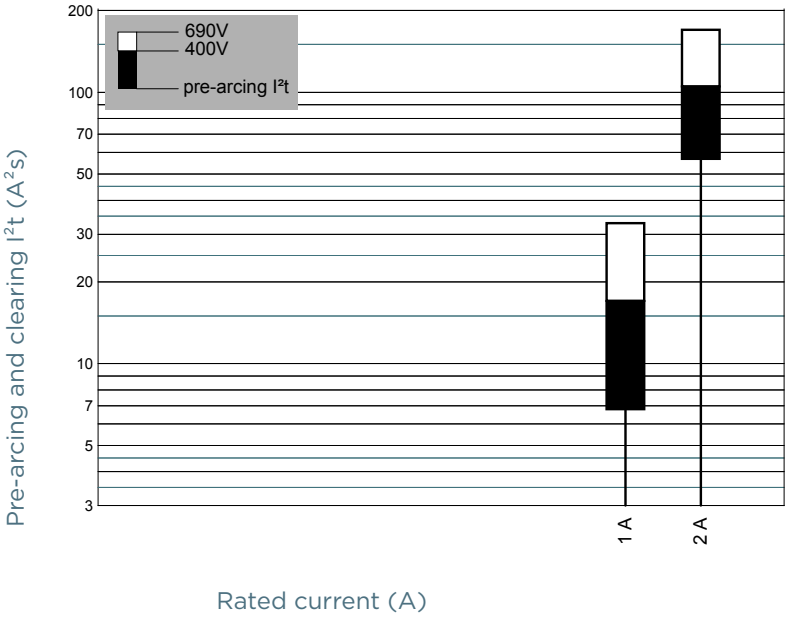
CUT-OFF CURRENT CHARACTERISTIC

Size 22x58 500V aM



PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

Size 22x58 690V aM



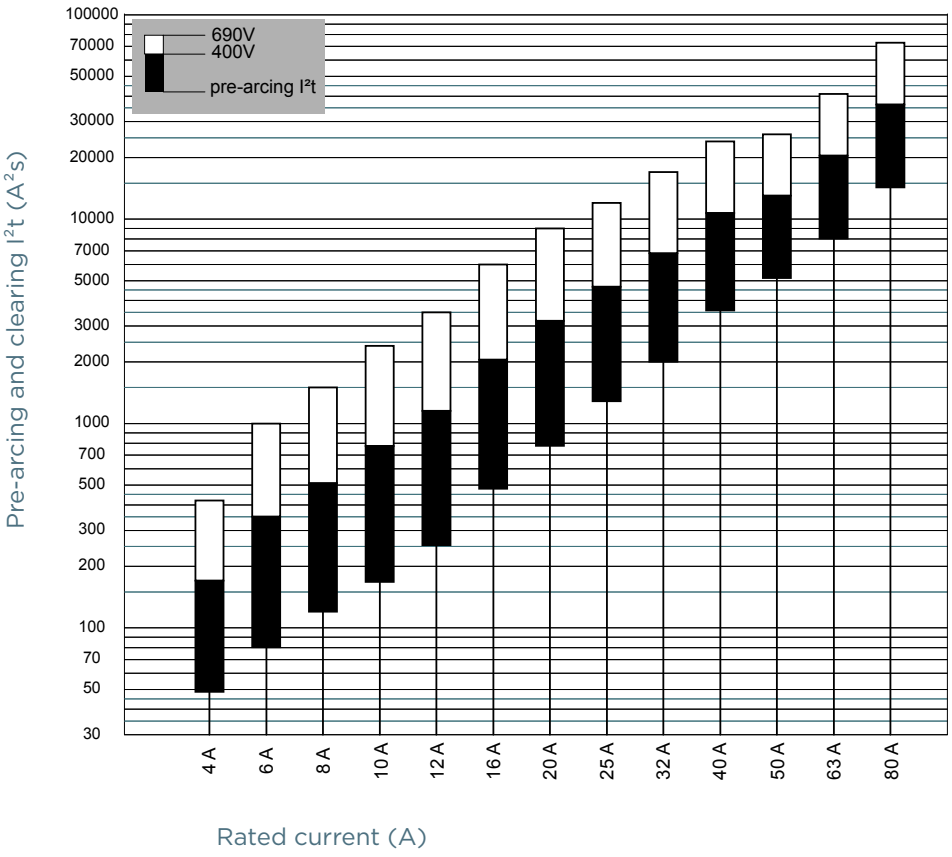
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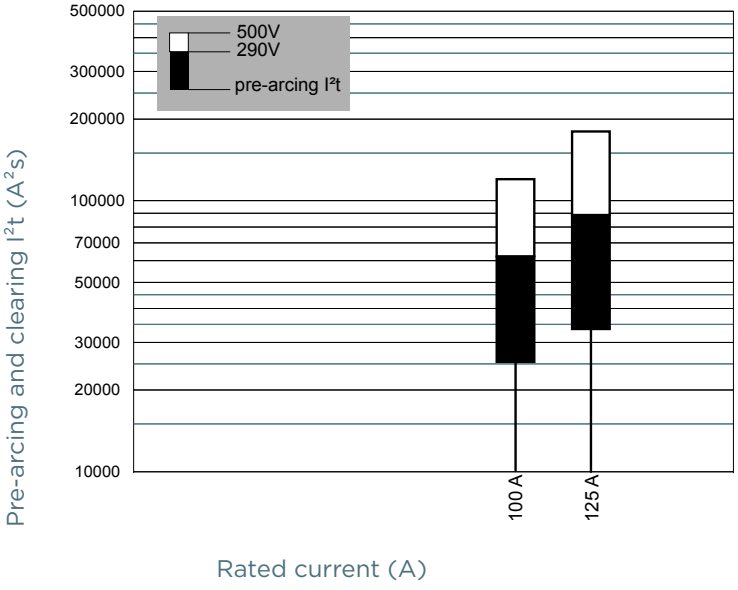
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PRE-ARCING AND OPERATING I^2T CHARACTERISTICS

Size 22x58 690V aM



Size 22x58 500V aM



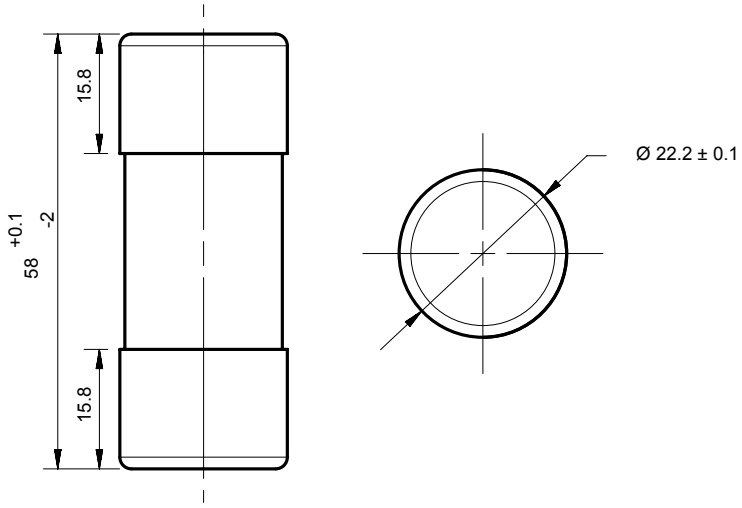
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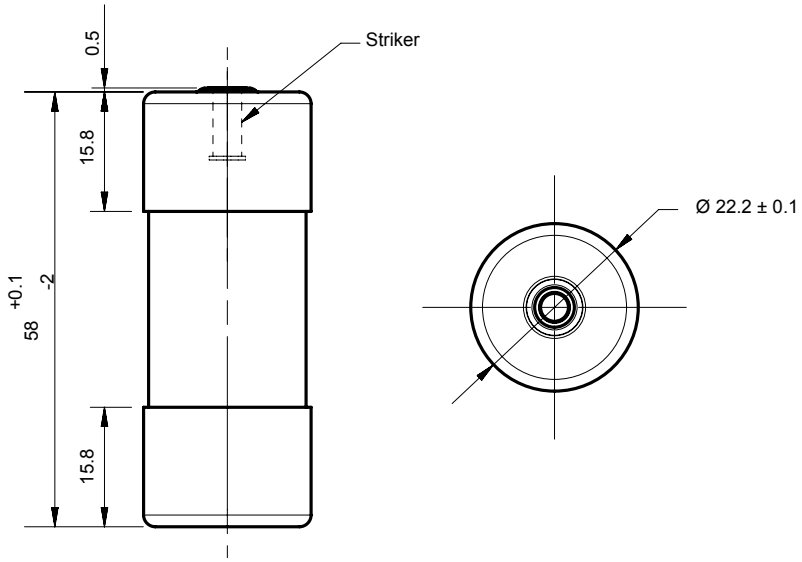
DIMENSIONS

Size 22x58 aM without indicator (1001214)



Dimensions in mm

Size 22x58 aM with striker (1001213)



Dimensions in mm

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