Ferrule fuse-links 8x31 aM 400VAC

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 AC	400 VAC
Ampere Range (A)	1 ... 12 A
Speed/Characteristic	aM
I.R. AC (IEC)	20 kA
Body Material	Ceramic
Body Style	cylindrical
Contact Materials	Silver plated copper
Product Size	8x31 mm

FEATURES & BENEFITS

- Reduced size
- Visual 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

CE

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PRODUCT RANGE



FR8AM40V2

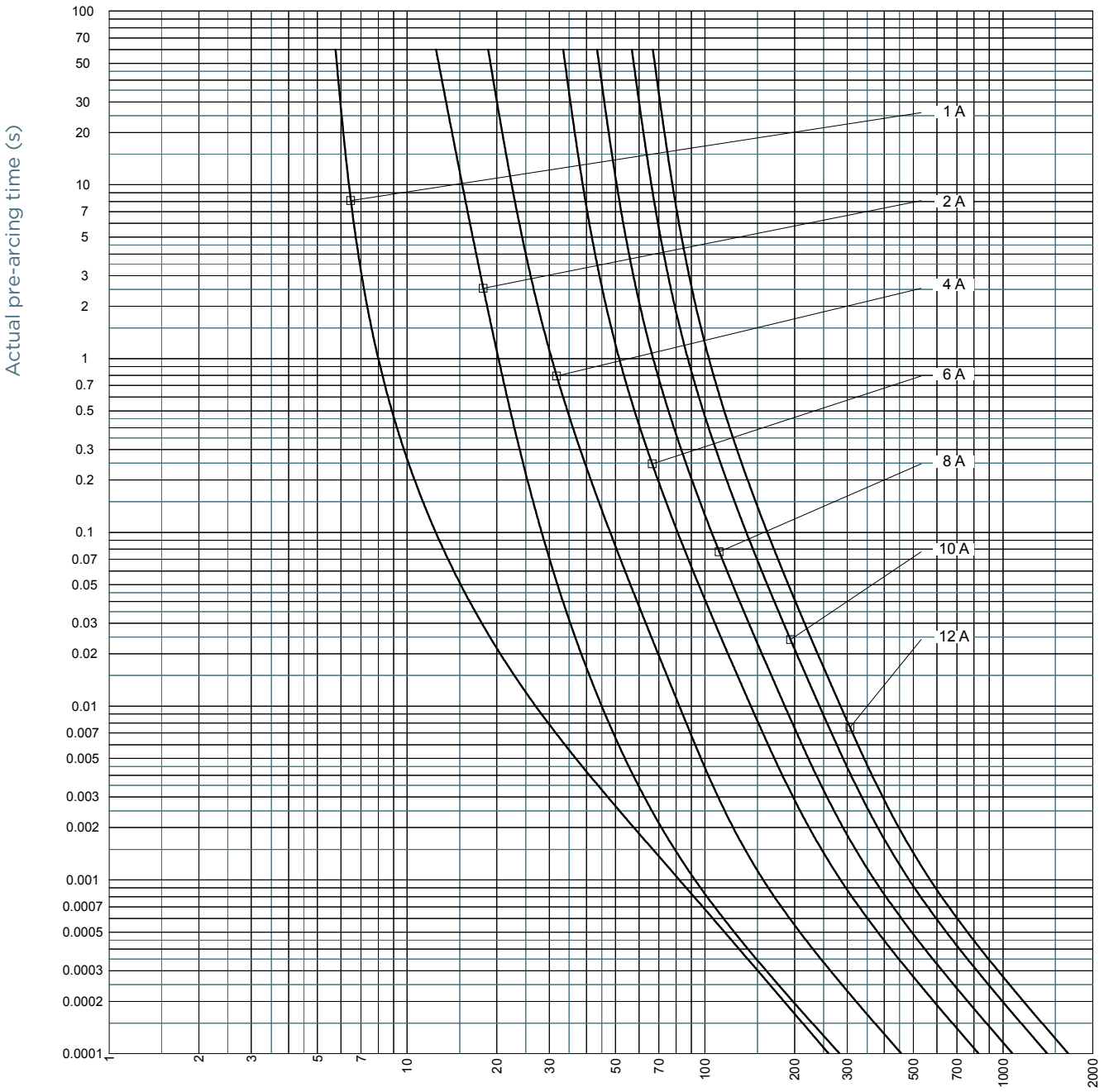
Size 8,5x31,5 aM 400VAC without indicator

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Rated breaking capacity AC	Power dissipation at I_n	Weight
FR8AM40V1	C217168	400 V	1 A	20 kA	0.09 W	4.4 g
FR8AM40V2	R218193	400 V	2 A	20 kA	0.15 W	4.4 g
FR8AM40V4	S219229	400 V	4 A	20 kA	0.26 W	4.4 g
FR8AM40V6	C222205	400 V	6 A	20 kA	0.35 W	4.4 g
FR8AM40V8	F200749	400 V	8 A	20 kA	0.47 W	4.4 g
FR8AM40V10	W201292	400 V	10 A	20 kA	0.55 W	4.4 g
FR8AM40V12	V1007188	400 V	12 A	20 kA	0.7 W	4.4 g

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TIME CURRENT CHARACTERISTIC CURVES

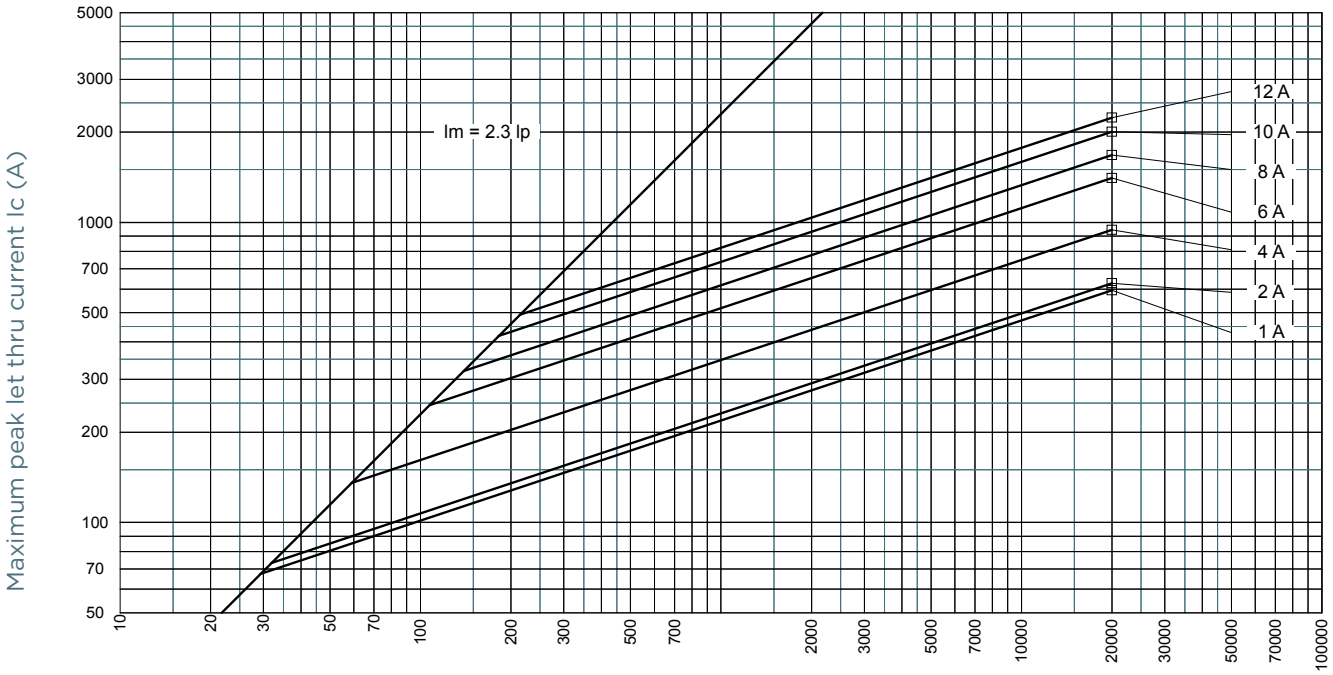
Size 8x32 400V aM



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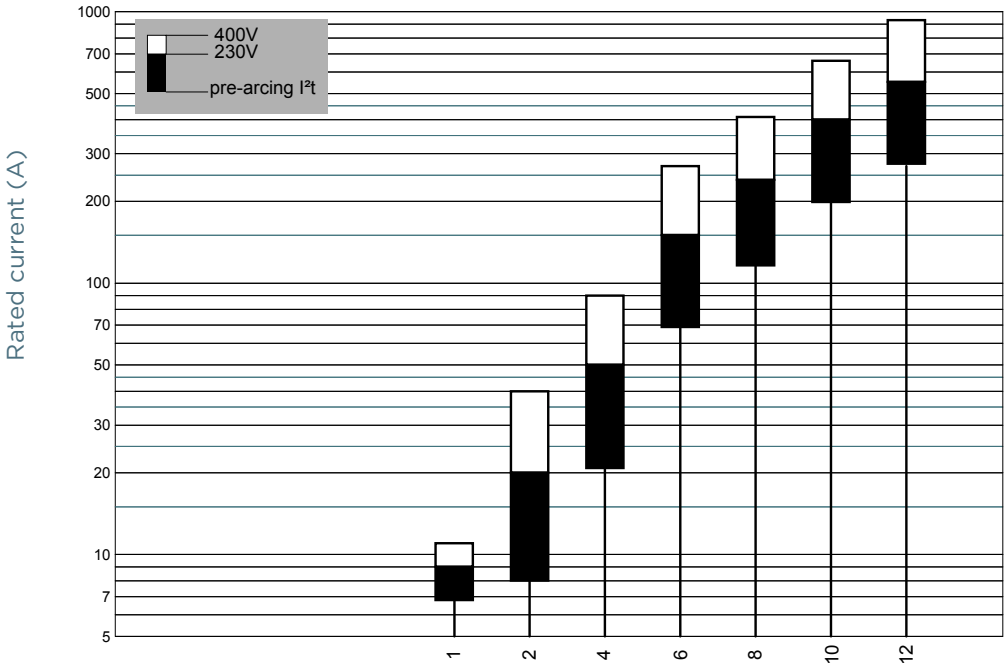
CUT-OFF CURRENT CHARACTERISTIC

Size 8x32 400V aM



PRE-ARCING AND OPERATING I²T CHARACTERISTICS

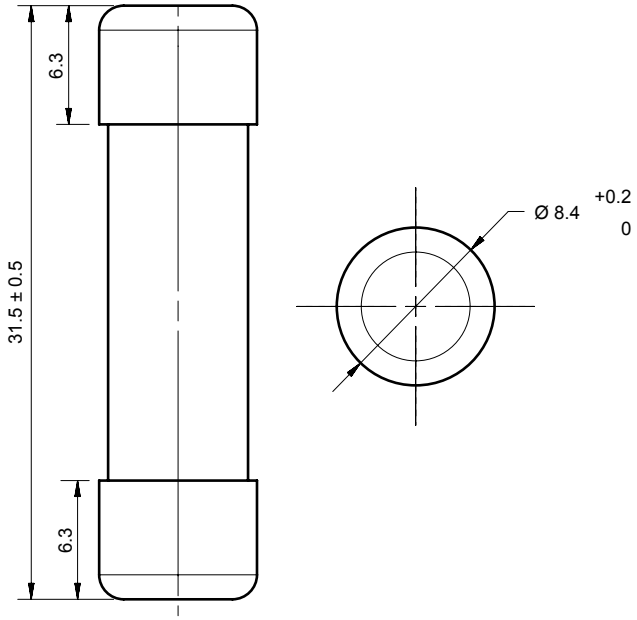
Size 8x32 400V aM



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DIMENSIONS

Size 8x31 aM without indicator (1001204)



Dimensions in mm

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