

Fuses 5x20 - Medium time-lag - 5SM

IEC MINIATURE FUSES

5X20



FEATURES & BENEFITS

- 5x20
- Semi-temporised fusion
- Safe protection system

APPLICATIONS

- Electrical equipment

STANDARDS

- IEC 60127-2 sheet 2

Mersen's 5SM miniature fuses cover a range including multiple amperages for 250VAC, for the protection of electrical distribution circuits and other industrial applications.

These fuses are available in size 5x20. All our technology and processes are designed to ensure the best technical performance.

TECHNICAL DATA OVERVIEW

Voltage AC	250 VAC
Ratings (A)	0,032 A to 16 A
Speed/Characteristic	Medium time-lag
I.R. AC (IEC/UL)	80 A to 1000 A
Body Material	Glass
Construction	32 mA to 1,25 A : without extinguishing agent 1,6 A to 20 A : with extinguishing agent
Contact caps	Brass, nickel plated



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PRODUCT RANGE

5X20 Action Semi-Timed 5SM Mittel - Set of 100

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Watt Loss @ 100% I _n	Max. voltage drop	Extinguishing agent
MI5SM25V0.032	D218158	250 V	0.032 A	0.001 A²s	80 A	0.06 W	1.29 V	No
MI5SM25V0.04	Q218675	250 V	0.04 A	0.008 A²s	80 A	0.03 W	0.51 V	No
MI5SM25V0.05	D219193	250 V	0.05 A	0.002 A²s	80 A	0.07 W	0.95 V	No
MI5SM25V0.063	H219726	250 V	0.063 A	0.005 A²s	80 A	0.08 W	0.81 V	No
MI5SM25V0.08	Q222171	250 V	0.08 A	0.039 A²s	80 A	0.06 W	0.48 V	No
MI5SM25V0.1	K222925	250 V	0.1 A	0.006 A²s	80 A	0.05 W	0.35 V	No
MI5SM25V0.125	T200715	250 V	0.125 A	0.019 A²s	80 A	0.04 W	0.23 V	No
MI5SM25V0.16	H201257	250 V	0.16 A	0.047 A²s	80 A	0.04 W	0.17 V	No
MI5SM25V0.2	T201773	250 V	0.2 A	0.084 A²s	80 A	0.05 W	0.18 V	No
MI5SM25V0.25	K207147	250 V	0.25 A	0.19 A²s	80 A	0.04 W	0.12 V	No
MI5SM25V0.315	J211516	250 V	0.315 A	0.29 A²s	80 A	0.05 W	0.11 V	No
MI5SM25V0.4	N212026	250 V	0.4 A	0.75 A²s	80 A	0.06 W	0.1 V	No
MI5SM25V0.5	F212548	250 V	0.5 A	0.21 A²s	80 A	0.1 W	0.14 V	No
MI5SM25V0.63	R213064	250 V	0.63 A	0.4 A²s	80 A	0.13 W	0.15 V	No
MI5SM25V0.8	M213566	250 V	0.8 A	0.89 A²s	80 A	0.16 W	0.14 V	No
MI5SM25V1	L214071	250 V	1 A	6.45 A²s	80 A	0.12 W	0.08 V	No
MI5SM25V1.25	T214584	250 V	1.25 A	2.69 A²s	80 A	0.17 W	0.09 V	No
MI5SM25V1.6	A215096	250 V	1.6 A	1.5 A²s	80 A	0.29 W	0.12 V	Yes
MI5SM25V2	A215602	250 V	2 A	12.1 A²s	80 A	0.36 W	0.13 V	Yes
MI5SM25V2.5	H216115	250 V	2.5 A	4.04 A²s	80 A	0.58 W	0.16 V	Yes
MI5SM25V3.15	E216618	250 V	3.15 A	48.8 A²s	80 A	0.47 W	0.11 V	Yes
MI5SM25V4	R217135	250 V	4 A	47.7 A²s	300 A	0.52 W	0.09 V	Yes
MI5SM25V5	E218159	250 V	5 A	31.3 A²s	300 A	0.91 W	0.13 V	Yes
MI5SM25V6.3	R218676	250 V	6.3 A	73.1 A²s	300 A	1.06 W	0.12 V	Yes
MI5SM25V8	E219194	250 V	8 A	148 A²s	300 A	1.21 W	0.13 V	Yes
MI5SM25V10	J219727	250 V	10 A	243 A²s	300 A	1.43 W	0.11 V	Yes
MI5SM25V16	R222172	250 V	16 A	705 A²s	300 A	2.14 W	0.1 V	Yes

5x20 Medium time-lag - 5SM - Box Assortiment

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I _n
MIBOX5SM	P233440	250 V	0,1 A to 6,3 A

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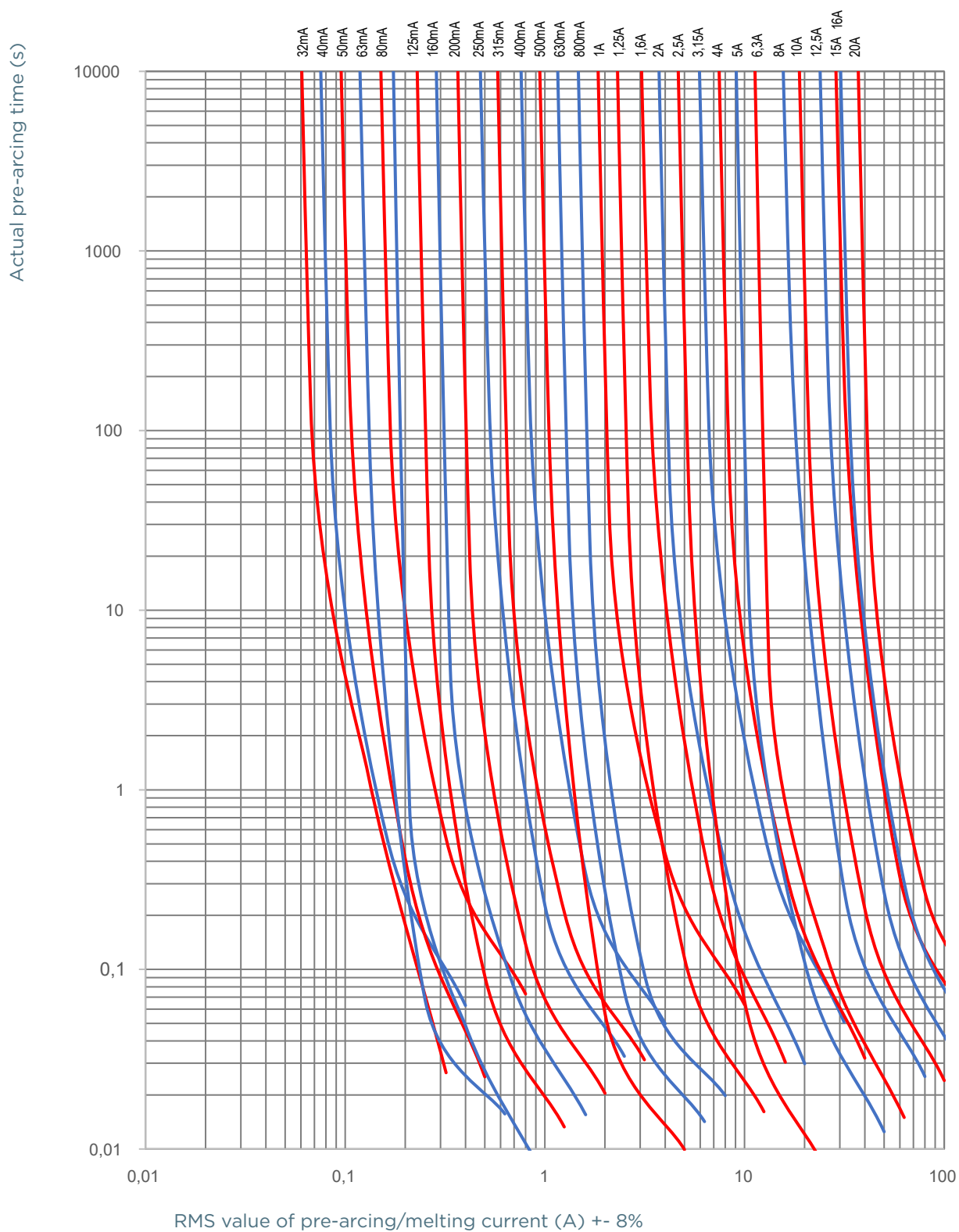
PRODUCT RANGE

Composition of the box

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Rated breaking capacity AC	Watt Loss @ 100% I_n	Max. voltage drop
MI5SM25V0.1	K222925	250 V	0.1 A	0.006 A ² s	80 A	0.05 W	0.35 V
MI5SM25V0.125	T200715	250 V	0.125 A	0.019 A ² s	80 A	0.04 W	0.23 V
MI5SM25V0.16	H201257	250 V	0.16 A	0.047 A ² s	80 A	0.04 W	0.17 V
MI5SM25V0.2	T201773	250 V	0.2 A	0.084 A ² s	80 A	0.05 W	0.18 V
MI5SM25V0.25	K207147	250 V	0.25 A	0.19 A ² s	80 A	0.04 W	0.12 V
MI5SM25V0.315	J211516	250 V	0.315 A	0.29 A ² s	80 A	0.05 W	0.11 V
MI5SM25V0.4	N212026	250 V	0.4 A	0.75 A ² s	80 A	0.06 W	0.1 V
MI5SM25V0.5	F212548	250 V	0.5 A	0.21 A ² s	80 A	0.1 W	0.14 V
MI5SM25V0.63	R213064	250 V	0.63 A	0.4 A ² s	80 A	0.13 W	0.15 V
MI5SM25V0.8	M213566	250 V	0.8 A	0.89 A ² s	80 A	0.16 W	0.14 V
MI5SM25V1	L214071	250 V	1 A	6.45 A ² s	80 A	0.12 W	0.08 V
MI5SM25V1.25	T214584	250 V	1.25 A	2.69 A ² s	80 A	0.17 W	0.09 V
MI5SM25V1.6	A215096	250 V	1.6 A	1.5 A ² s	80 A	0.29 W	0.12 V
MI5SM25V2	A215602	250 V	2 A	12.1 A ² s	80 A	0.36 W	0.13 V
MI5SM25V2.5	H216115	250 V	2.5 A	4.04 A ² s	80 A	0.58 W	0.16 V
MI5SM25V3.15	E216618	250 V	3.15 A	48.8 A ² s	80 A	0.47 W	0.11 V
MI5SM25V4	R217135	250 V	4 A	47.7 A ² s	300 A	0.52 W	0.09 V
MI5SM25V6.3	R218676	250 V	6.3 A	73.1 A ² s	300 A	1.06 W	0.12 V

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TIME CURRENT CHARACTERISTIC CURVES



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TECHNICAL CHARACTERISTICS

In - t characteristics

Rated current factor		Melting time	
		32 mA - 1,25 A	1,4 A - 20 A
1,5 - In	tmin	60 min	60 min
	tmax	-	-
2,1 - In	tmin	0	0
	tmax	10 min	30 min
4 - In	tmin	40 ms	40 ms
	tmax	2 s	2 s
10 - In	tmin	5 ms	5 ms
	tmax	90 ms	90 ms