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Fuses 5x20 - Quick acting - 5SF

IEC MINIATURE FUSES

5X20



FEATURES & BENEFITS

- 5x20
- Fast action
- Safe protection system

APPLICATIONS

- Electrical equipment

STANDARDS

- IEC 60127-2 sheet 2

Mersen's 5SF 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.

5SF miniature fuses are fast-acting fuses that protect your electrical equipment from the slightest high current. All our technology and processes are designed to ensure the best technical performance.

TECHNICAL DATA OVERVIEW

Voltage AC	250 VAC
Ratings (A)	0,08 A to 20 A
Speed/Characteristic	Quick acting
I.R. AC (IEC/UL)	35 A to 100 A
Body Material	Glass
Construction	Without extinguishing agent
Contact caps	Brass, nickel plated

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PRODUCT RANGE

5X20 Fast Acting 5SF - Set of 100

Catalog number	Item number	Rated voltage	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5SF25V0.08/100	Z090504Q	250 V	0,08 A	0.0017 A²s	35 A	0.47 W	2.66 V
MI5SF25V0.1/100	A090505Q	250 V	0,1 A	0.004 A²s	35 A	0.46 W	2.23 V
MI5SF25V0.125/100	B090506Q	250 V	0,125 A	0.0084 A²s	35 A	0.5 W	1.73 V
MI5SF25V0.16/100	C090507Q	250 V	0,16 A	0.015 A²s	35 A	0.57 W	1.72 V
MI5SF25V0.2/100	D090508Q	250 V	0,2 A	0.028 A²s	35 A	0.67 W	1.64 V
MI5SF25V0.25/100	E090509Q	250 V	0,25 A	0.06 A²s	35 A	0.7 W	1.33 V
MI5SF25V0.315/100	F090510Q	250 V	0,315 A	0.14 A²s	35 A	0.87 W	1.15 V
MI5SF25V0.4/100	G090511Q	250 V	0,4 A	0.26 A²s	35 A	0.96 W	1.07 V
MI5SF25V0.5/100	H090512Q	250 V	0,5 A	0.2 A²s	35 A	0.72 W	0.59 V
MI5SF25V0.63/100	J090513Q	250 V	0,63 A	0.46 A²s	35 A	0.77 W	0.53 V
MI5SF25V0.8/100	K090514Q	250 V	0,8 A	0.56 A²s	35 A	0.36 W	0.16 V
MI5SF25V1/100	L090515Q	250 V	1 A	1.6 A²s	35 A	0.28 W	0.1 V
MI5SF25V1.25/100	M090516Q	250 V	1,25 A	2.19 A²s	35 A	0.46 W	0.12 V
MI5SF25V1.6/100	N090517Q	250 V	1,6 A	4.1 A²s	35 A	0.49 W	0.09 V
MI5SF25V2/100	P090518Q	250 V	2 A	8.88 A²s	35 A	0.61 W	0.1 V
MI5SF25V2.5/100	Q090519Q	250 V	2,5 A	14.13 A²s	35 A	0.76 W	0.1 V
MI5SF25V3.15/100	R090520Q	250 V	3,15 A	24.01 A²s	35 A	0.84 W	0.09 V
MI5SF25V4/100	S090521Q	250 V	4 A	45.76 A²s	40 A	0.88 W	0.08 V
MI5SF25V5/100	T090522Q	250 V	5 A	36 A²s	50 A	1.79 W	0.1 V
MI5SF25V6.3/100	V090523Q	250 V	6,3 A [1]	107.96 A²s	63 A	1.62 W	0.08 V
MI5SF25V8/100	W090524Q	250 V	8 A [2]	209.92 A²s	80 A	1.86 W	0.07 V
MI5SF25V10/100	X090525Q	250 V	10 A [2]	310 A²s	100 A	2.21 W	0.08 V
MI5SF25V12.5/100	W233446Q	250 V	12,5 A [3]	410 A²s	300 A	2.5 W	0.15 V
MI5SF25V16/100	X233447Q	250 V	16 A [3]	950 A²s	300 A	2.5 W	0.15 V
MI5SF25V20/100	Y233448Q	250 V	20 A [3]	2100 A²s	300 A	4 W	0.15 V

[1] Melting time at 10 x Irat ca. 27ms
[2] No Semko Approval
[3] No standard rating

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PRODUCT RANGE

5X20 Fast Acting 5SF - Set of 1000

Catalog number	Item number	Rated voltage	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5SF25V0.08/1000	Z090504T	250 V	0,08 A	0.0017 A²s	35 A	0.47 W	2.66 V
MI5SF25V0.1/1000	A090505T	250 V	0,1 A	0.004 A²s	35 A	0.46 W	2.23 V
MI5SF25V0.125/1000	B090506T	250 V	0,125 A	0.0084 A²s	35 A	0.5 W	1.73 V
MI5SF25V0.16/1000	C090507T	250 V	0,16 A	0.015 A²s	35 A	0.57 W	1.72 V
MI5SF25V0.2/1000	D090508T	250 V	0,2 A	0.028 A²s	35 A	0.67 W	1.64 V
MI5SF25V0.25/1000	E090509T	250 V	0,25 A	0.06 A²s	35 A	0.7 W	1.33 V
MI5SF25V0.315/1000	F090510T	250 V	0,315 A	0.14 A²s	35 A	0.87 W	1.15 V
MI5SF25V0.4/1000	G090511T	250 V	0,4 A	0.26 A²s	35 A	0.96 W	1.07 V
MI5SF25V0.5/1000	H090512T	250 V	0,5 A	0.2 A²s	35 A	0.72 W	0.59 V
MI5SF25V0.63/1000	J090513T	250 V	0,63 A	0.46 A²s	35 A	0.77 W	0.53 V
MI5SF25V0.8/1000	K090514T	250 V	0,8 A	0.56 A²s	35 A	0.36 W	0.16 V
MI5SF25V1/1000	L090515T	250 V	1 A	1.6 A²s	35 A	0.28 W	0.1 V
MI5SF25V1.25/1000	M090516T	250 V	1,25 A	2.19 A²s	35 A	0.46 W	0.12 V
MI5SF25V1.6/1000	N090517T	250 V	1,6 A	4.1 A²s	35 A	0.49 W	0.09 V
MI5SF25V2/1000	P090518T	250 V	2 A	8.88 A²s	35 A	0.61 W	0.1 V
MI5SF25V2.5/1000	Q090519T	250 V	2,5 A	14.13 A²s	35 A	0.76 W	0.1 V
MI5SF25V3.15/1000	R090520T	250 V	3,15 A	24.01 A²s	35 A	0.84 W	0.09 V
MI5SF25V4/1000	S090521T	250 V	4 A	45.76 A²s	40 A	0.88 W	0.08 V
MI5SF25V5/1000	T090522T	250 V	5 A	36 A²s	50 A	1.79 W	0.1 V
MI5SF25V6.3/1000	V090523T	250 V	6,3 A [1]	107.96 A²s	63 A	1.62 W	0.08 V
MI5SF25V8/1000	W090524T	250 V	8 A [2]	209.92 A²s	80 A	1.86 W	0.07 V
MI5SF25V10/1000	X090525T	250 V	10 A [2]	310 A²s	100 A	2.21 W	0.08 V

[1] Melting time at 10 x Irat ca. 27ms
[2] No Semko Approval

5X20 Fast Action 5SF - Assortment Box

Catalog number	Item number	Rated voltage	Rated current I_n
MIBOX5SF	G203763	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	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5SF25V0.08	Z090504	250 V	0.08 A	0.0017 A²s	35 A	0.47 W	2.66 V
MI5SF25V0.1	A090505	250 V	0,1 A	0.004 A²s	35 A	0.46 W	2.23 V
MI5SF25V0.125	B090506	250 V	0,125 A	0.0084 A²s	35 A	0.5 W	1.73 V
MI5SF25V0.16	C090507	250 V	0,16 A	0.015 A²s	35 A	0.57 W	1.72 V
MI5SF25V0.2	D090508	250 V	0,2 A	0.028 A²s	35 A	0.67 W	1.64 V
MI5SF25V0.25	E090509	250 V	0,25 A	0.06 A²s	35 A	0.7 W	1.33 V
MI5SF25V0.315	F090510	250 V	0,315 A	0.14 A²s	35 A	0.87 W	1.15 V
MI5SF25V0.4	G090511	250 V	0,4 A	0.26 A²s	35 A	0.96 W	1.07 V
MI5SF25V0.5	H090512	250 V	0,5 A	0.2 A²s	35 A	0.72 W	0.59 V
MI5SF25V0.63	J090513	250 V	0,63 A	0.46 A²s	35 A	0.77 W	0.53 V
MI5SF25V0.8	K090514	250 V	0,8 A	0.56 A²s	35 A	0.36 W	0.16 V
MI5SF25V1	L090515	250 V	1 A	1.6 A²s	35 A	0.28 W	0.1 V
MI5SF25V1.25	M090516	250 V	1,25 A	2.19 A²s	35 A	0.46 W	0.12 V
MI5SF25V1.6	N090517	250 V	1,6 A	4.1 A²s	35 A	0.49 W	0.09 V
MI5SF25V2	P090518	250 V	2 A	8.88 A²s	35 A	0.61 W	0.1 V
MI5SF25V2.5	W233446	250 V	2,5 A	14.13 A²s	35 A	0.76 W	0.1 V
MI5SF25V3.15	R090520	250 V	3,15 A	24.01 A²s	35 A	0.84 W	0.09 V
MI5SF25V4	S090521	250 V	4 A	45.76 A²s	40 A	0.88 W	0.08 V
MI5SF25V6.3	V090523	250 V	6,3 A [1]	107.96 A²s	63 A	1.62 W	0.08 V

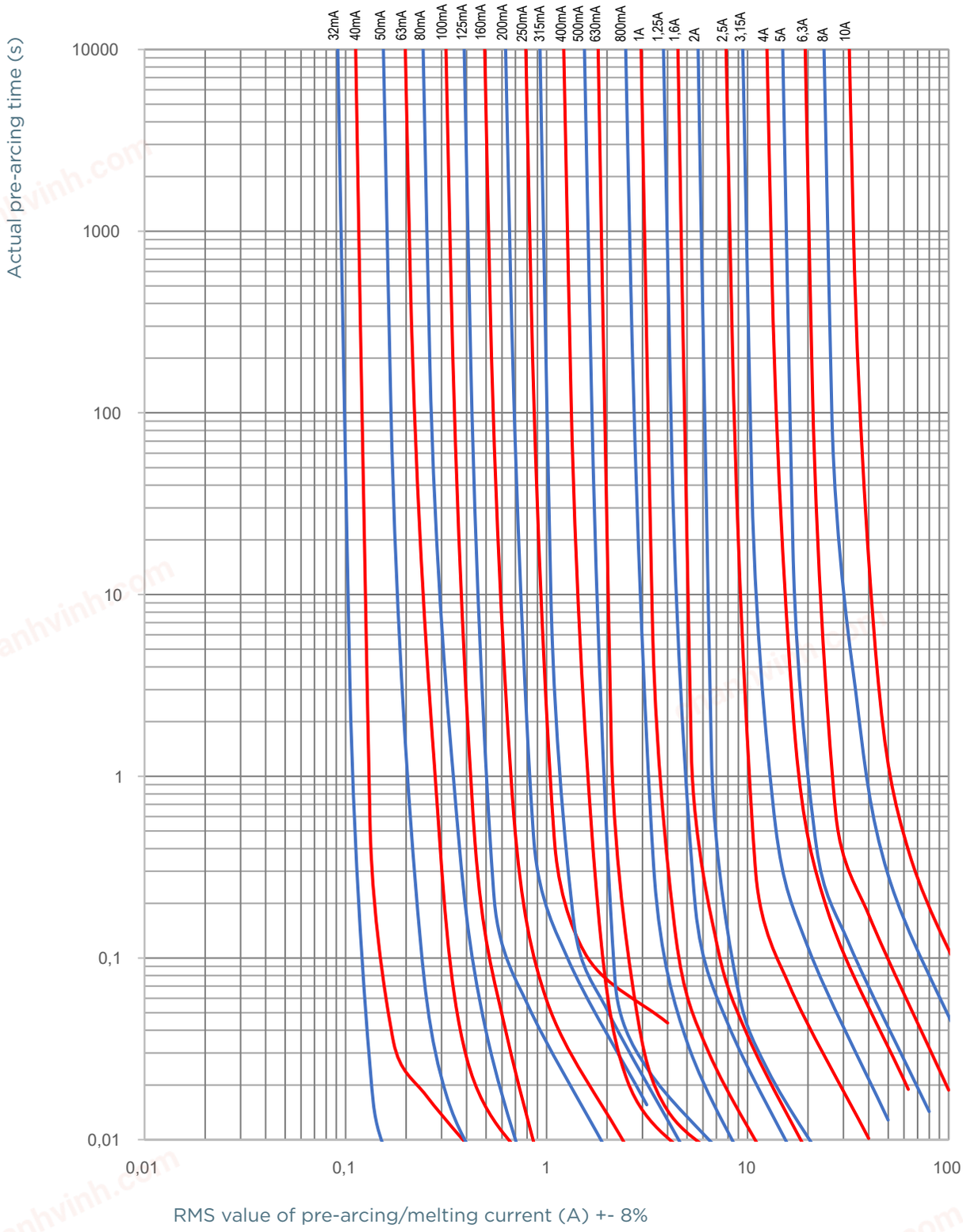
[1] Melting time at 10 x Irat ca. 27ms

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TIME CURRENT CHARACTERISTIC CURVES



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TECHNICAL CHARACTERISTICS

In - t characteristics

Rated current factor		Melting time :		
		50 mA - 3,15 A	4A - 10A	12,5 A - 16 A
1,5 - In	tmin	60 min	60 min	60 min
	tmax	-	-	-
2,1 - In	tmin	0	0	0
	tmax	30 min	30 min	30 min
2,75 - In	tmin	10 ms	10 ms	40 ms
	tmax	2 s	3 s	20 s
4 - In	tmin	3 ms	3 ms	10 ms
	tmax	300 ms	300 ms	1 s
10 - In	tmin	0	0	0
	tmax	20 ms	20 ms	30 ms

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