Fuses 5x20 - Time-lag - 5HT

IEC MINIATURE FUSES

5X20



FEATURES & BENEFITS

- 5x20
- Time delay
- Safe protection system

APPLICATIONS

- Electrical equipment
- Motors

STANDARDS

- IEC 60127-2 Sheet 5

Mersen's 5HT 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 the size 5X20.

5HT miniature fuses are time-delay fuses that protect your electrical equipment while withstanding the high, sudden, short current that allows a motor to start. All our technology and processes are defined to ensure the best technical performance.

TECHNICAL DATA OVERVIEW

Voltage AC	250 VAC
Ratings (A)	0,25 A to 16 A
Speed/Characteristic	Time-lag
I.R. AC (IEC/UL)	1500 A
Construction	100 mA - 500 mA : without extinguishing agent 630 mA - 12,5 A : with extinguishing agent
Contact caps	Brass, nickel plated

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Expertise, our source of energy

PRODUCT RANGE

5X20 Timed Action 5HT - Set of 100

Catalog number	Item number	Size	Rated voltage	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5HT25V0.25/100	P085366Q	5x20	250 V	0,25 A	0.508 A²s	1500 A	0.23 W	0.32 V
MI5HT25V0.315/100	R094821Q	5x20	250 V	0,315 A	0.58 A²s	1500 A	0.5 W	0.5 V
MI5HT25V0.4/100	W094825Q	5x20	250 V	0,4 A	0.74 A²s	1500 A	0.48 W	0.39 V
MI5HT25V0.5/100	S085369Q	5x20	250 V	0,5 A	1.7 A²s	1500 A	0.62 W	0.51 V
MI5HT25V0.63/100	X094826Q	5x20	250 V	0,63 A	0.39 A²s	1500 A	0.3 W	0.22 V
MI5HT25V0.8/100	V085371Q	5x20	250 V	0,8 A	0.85 A²s	1500 A	0.37 W	0.2 V
MI5HT25V1/100	W085372Q	5x20	250 V	1 A	1.46 A²s	1500 A	0.44 W	0.18 V
MI5HT25V1.25/100	X085373Q	5x20	250 V	1,25 A	2.3 A²s	1500 A	0.53 W	0.2 V
MI5HT25V1.6/100	Y085374Q	5x20	250 V	1,6 A	5.6 A²s	1500 A	0.54 W	0.16 V
MI5HT25V2/100	Z085375Q	5x20	250 V	2 A	12.1 A²s	1500 A	0.61 W	0.13 V
MI5HT25V2.5/100	A085376Q	5x20	250 V	2,5 A	24.9 A²s	1500 A	0.63 W	0.11 V
MI5HT25V3.15/100	B085377Q	5x20	250 V	3,15 A	48.8 A²s	1500 A	0.77 W	0.1 V
MI5HT25V4/100	C085378Q	5x20	250 V	4 A	46.8 A²s	1500 A	0.83 W	0.09 V
MI5HT25V5/100	D085379Q	5x20	250 V	5 A	100.9 A²s	1500 A	0.84 W	0.07 V
MI5HT25V6.3/100	E085380Q	5x20	250 V	6,3 A	148.1 A²s	1500 A	1.05 W	0.07 V
MI5HT25V8/100	A208357Q	5x20	250 V	8 A [1]	520.3 A²s	1500 A	1.71 W	0.08 V
MI5HT25V10/100	B208358Q	5x20	250 V	10 A [1]	610.1 A²s	1500 A	1.31 W	0.05 V
MI5HT25V12.5	D210338	5x20	250 V	12,5 A [2]	423.6 A²s	1500 A	2.76 W	0.07 V
MI5HT25V16	E210339	5x20	250 V	16 A [2]	520.3 A²s	1500 A	1.71 W	0.08 V

[1] No VDE Approval
[2] Set of 50

5X20 Timed Action 5HT - Set of 1000

Catalog number	Item number	Size	Rated voltage	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5HT25V0.25/1000	P085366T	5x20	250 V	0,25 A	0.508 A²s	1500 A	0.23 W	0.32 V
MI5HT25V2/1000	Z085375T	5x20	250 V	2 A	12.1 A²s	1500 A	0.61 W	0.13 V
MI5HT25V3.15/1000	B085377T	5x20	250 V	3,15 A	48.8 A²s	1500 A	0.77 W	0.1 V
MI5HT25V4/1000	C085378T	5x20	250 V	4 A	46.8 A²s	1500 A	0.83 W	0.09 V
MI5HT25V6.3/1000	E085380T	5x20	250 V	6,3 A	148.1 A²s	1500 A	1.05 W	0.07 V
MI5HT25V10/1000	B208358T	5x20	250 V	10 A [1]	610.1 A²s	1500 A	1.31 W	0.05 V

[1] No VDE Approval

5X20 Timed Action 5HT - Assortment Box

Catalog number	Item number	Size	Rated voltage	Rated current I_n
MIBOX5HT	C229864	5x20	250 V	0,25 A to 10 A

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PRODUCT RANGE

Composition of the box

Catalog number	Item number	Size	Rated voltage	Rated current I_n	Pre-arcing I^2t	Breaking capacity @ Nominal current	Watt Loss @ 100% In	Max. voltage drop
MI5HT25V0.25	P085366	5x20	250 V	0,25 A	0.508 A^2s	1500 A	0.23 W	0.32 V
MI5HT25V0.315	R094821	5x20	250 V	0,315 A	0.58 A^2s	1500 A	0.5 W	0.5 V
MI5HT25V0.4	W094825	5x20	250 V	0,4 A	0.74 A^2s	1500 A	0.48 W	0.39 V
MI5HT25V0.5	S085369	5x20	250 V	0,5 A	1.7 A^2s	1500 A	0.62 W	0.51 V
MI5HT25V0.63	X094826	5x20	250 V	0,63 A	0.39 A^2s	1500 A	0.3 W	0.22 V
MI5HT25V0.8	V085371	5x20	250 V	0,8 A	0.85 A^2s	1500 A	0.37 W	0.2 V
MI5HT25V1	W085372	5x20	250 V	1 A	1.46 A^2s	1500 A	0.44 W	0.18 V
MI5HT25V1.25	X085373	5x20	250 V	1,25 A	2.3 A^2s	1500 A	0.53 W	0.2 V
MI5HT25V1.6	Y085374	5x20	250 V	1,6 A	5.6 A^2s	1500 A	0.54 W	0.16 V
MI5HT25V2	Z085375	5x20	250 V	2 A	12.1 A^2s	1500 A	0.61 W	0.13 V
MI5HT25V2.5	A085376	5x20	250 V	2,5 A	24.9 A^2s	1500 A	0.63 W	0.11 V
MI5HT25V3.15	B085377	5x20	250 V	3,15 A	48.8 A^2s	1500 A	0.77 W	0.1 V
MI5HT25V4	C085378	5x20	250 V	4 A	46.8 A^2s	1500 A	0.83 W	0.09 V
MI5HT25V5	D085379	5x20	250 V	5 A	100.9 A^2s	1500 A	0.84 W	0.07 V
MI5HT25V6.3	E085380	5x20	250 V	6,3 A	148.1 A^2s	1500 A	1.05 W	0.07 V
MI5HT25V8	A208357	5x20	250 V	8 A	520.3 A^2s	1500 A	1.71 W	0.08 V
MI5HT25V10	B208358	5x20	250 V	10 A [1]	610.1 A^2s	1500 A	1.31 W	0.05 V

[1] No VDE Approval

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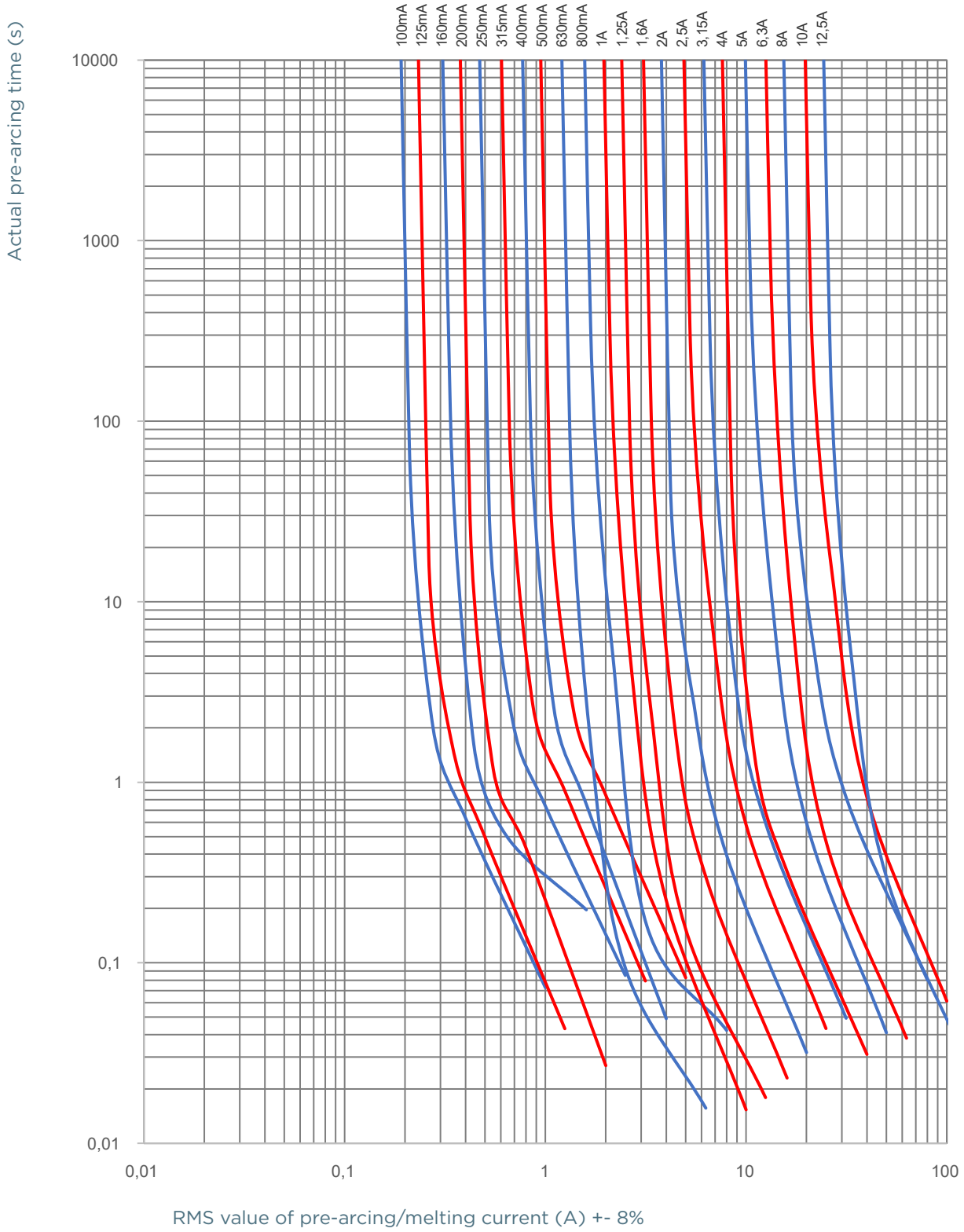
TIME CURRENT CHARACTERISTIC CURVES



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TECHNICAL CHARACTERISTICS

In - t characteristics

Rated current factor		Melting time		
		100 mA - 800 mA	1 A - 3,15 A	4 A - 12,5 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	250 ms	750 ms	750 ms
	tmax	80 s	80 s	80 s
4 - In	tmin	50 ms	95 ms	150 ms
	tmax	5 s	5 s	5 s
10 - In	tmin	5 ms	10 ms	10 ms
	tmax	150 ms	150 ms	150 ms

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