Fuses 5x20 - Quick acting - 5HF

IEC MINIATURE FUSES

5X20



FEATURES & BENEFITS

- 5x20
- Fast action
- Safe protection system

APPLICATIONS

- Electrical equipment
- Industrial power devices
- Circuit boards

STANDARDS

- IEC 60127-2 sheet 1

Mersen's 5HF 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. 5HF 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)	0,1 A to 20 A
Speed/Characteristic	Quick acting
I.R. AC (IEC/UL)	1500 A
Body Material	Ceramic
Construction	50 mA - 500 mA : without extinguishing agent 630 mA - 16 A : with extinguishing agent
Contact caps	Brass, nickel plated

MERSEN.COM

©2025 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

Expertise, our source of energy

PRODUCT RANGE

5X20 Fast Acting 5HF - 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
MI5HF25V0.1/100	G095548Q	5x20	250 V	0,1 A [1]	0.0035 A²s	1500 A	0.44 W	2.29 V
MI5HF25V0.125/100	H095549Q	5x20	250 V	0,125 A [1]	0.0059 A²s	1500 A	0.57 W	1.79 V
MI5HF25V0.16/100	J095550Q	5x20	250 V	0,16 A [1]	0.0055 A²s	1500 A	0.55 W	1.7 V
MI5HF25V0.2/100	Q095556Q	5x20	250 V	0,2 A [1]	0.016 A²s	1500 A	0.62 W	1.5 V
MI5HF25V0.25/100	R095557Q	5x20	250 V	0,25 A [1]	0.046 A²s	1500 A	0.73 W	1.28 V
MI5HF25V0.315/100	S095558Q	5x20	250 V	0,315 A [1]	0.072 A²s	1500 A	0.83 W	1.11 V
MI5HF25V0.4/100	T095559Q	5x20	250 V	0,4 A [1]	0.25 A²s	1500 A	0.88 W	1.13 V
MI5HF25V0.5/100	V095560Q	5x20	250 V	0,5 A [1]	0.17 A²s	1500 A	0.2 W	0.01 V
MI5HF25V0.63/100	W095561Q	5x20	250 V	0,63 A [1]	0.11 A²s	1500 A	1.65 W	1.04 V
MI5HF25V0.8/100	X095562Q	5x20	250 V	0,8 A [1]	0.18 A²s	1500 A	1.52 W	0.76 V
MI5HF25V1/100	Y095563Q	5x20	250 V	1 A [1]	0.17 A²s	1500 A	0.99 W	0.3 V
MI5HF25V1.25/100	C095567Q	5x20	250 V	1,25 A [1]	0.58 A²s	1500 A	0.72 W	0.2 V
MI5HF25V1.6/100	D095568Q	5x20	250 V	1,6 A	0.89 A²s	1500 A	1.19 W	0.23 V
MI5HF25V2/100	E095569Q	5x20	250 V	2 A	1.91 A²s	1500 A	1.17 W	0.17 V
MI5HF25V2.5/100	F095570Q	5x20	250 V	2,5 A	2.61 A²s	1500 A	1.55 W	0.22 V
MI5HF25V3.15/100	G095571Q	5x20	250 V	3,15 A	2.68 A²s	1500 A	1.89 W	0.19 V
MI5HF25V4/100	H095572Q	5x20	250 V	4 A	12.9 A²s	1500 A	1.94 W	0.14 V
MI5HF25V5/100	J095573Q	5x20	250 V	5 A	31.2 A²s	1500 A	2.16 W	0.13 V
MI5HF25V6.3/100	K095574Q	5x20	250 V	6,3 A	79.3 A²s	1500 A	1.81 W	0.1 V
MI5HF25V8/100	J085407Q	5x20	250 V	8 A [2]	86.7 A²s	1500 A	3.08 W	0.13 V
MI5HF25V10/100	K085408Q	5x20	250 V	10 A [2]	204.4 A²s	1500 A	3.06 W	0.1 V
MI5HF25V12.5	G210341	5x20	250 V	12,5 A [2]	433.3 A²s	1500 A	3.22 W	0.87 V
MI5HF25V16	H210342	5x20	250 V	16 A [2]	930.6 A²s	1500 A	2.9 W	0.68 V
MI5HF25V20	J210343	5x20	250 V	20 A [2]	-	1500 A	-	-

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

5X20 Fast Acting 5HF - 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
MI5HF25V0.16/1000	J095550T	5x20	250 V	0,16 A	0.0055 A²s	1500 A	0.55 W	1.7 V
MI5HF25V0.25/1000	R095557T	5x20	250 V	0,25 A	0.046 A²s	1500 A	0.732 W	1.28 V
MI5HF25V0.315/1000	R095557T	5x20	250 V	0,315 A	0.072 A²s	1500 A	0.829 W	1.11 V

5X20 Fast Action 5HF - Assortment Box

Catalog number	Item number	Size	Rated voltage	Rated current I_n
MIBOX5HF	B229863	5x20	250 V	0,1 to 6,3 A

MERSEN.COM

©2025 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

MERSEN Expertise, our source of energy

PRODUCT RANGE

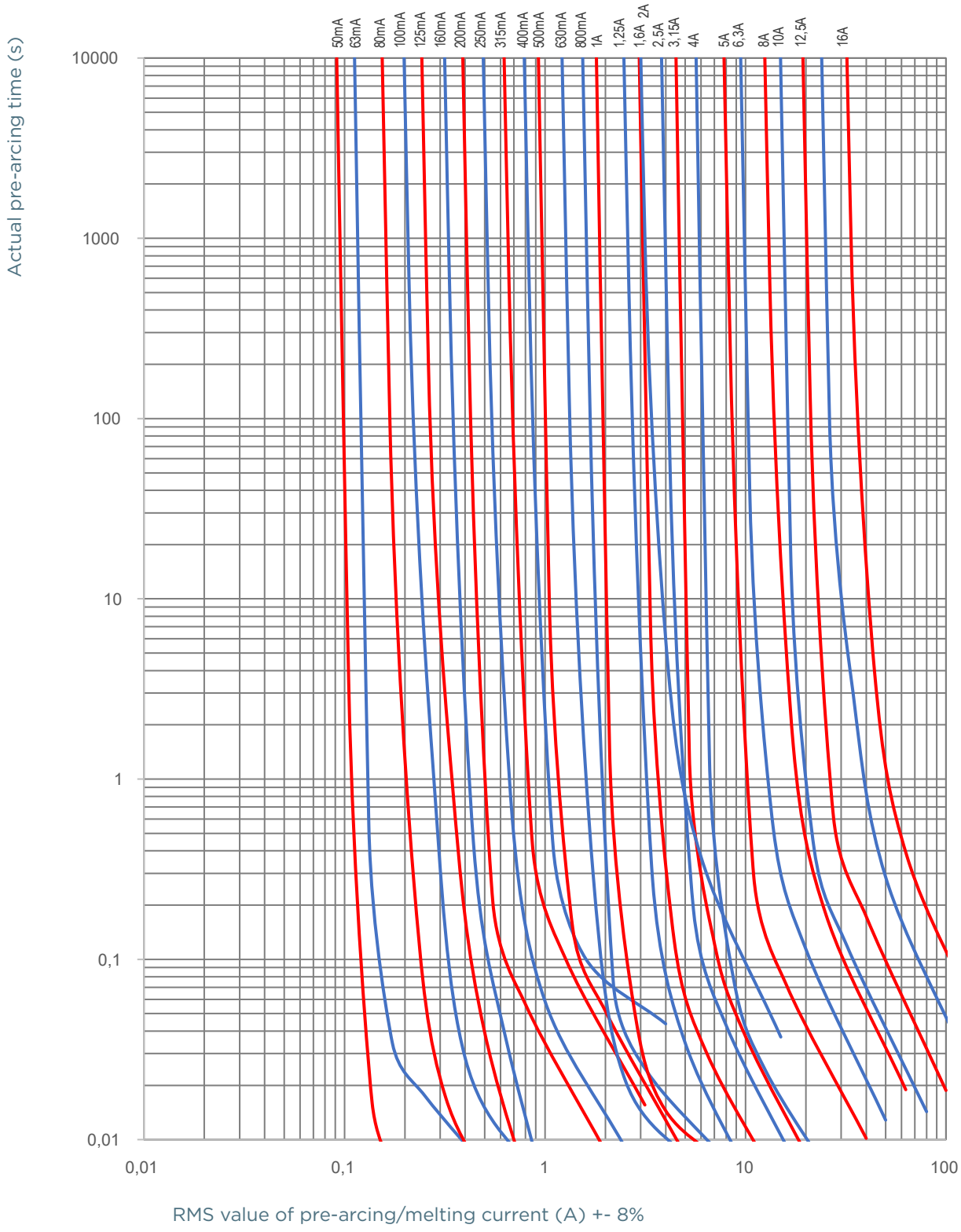
Composition of the box

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
MI5HF25V0.1	G095548	5x20	250 V	0,1 A	0.0035 A²s	1500 A	0.44 W	2.29 V
MI5HF25V0.125	H095549	5x20	250 V	0,125 A	0.0059 A²s	1500 A	0.57 W	1.79 V
MI5HF25V0.16	J095550	5x20	250 V	0,16 A	0.0055 A²s	1500 A	0.55 W	1.7 V
MI5HF25V0.2	Q095556	5x20	250 V	0,2 A	0.016 A²s	1500 A	0.62 W	1.5 V
MI5HF25V0.25	R095557	5x20	250 V	0,25 A	0.046 A²s	1500 A	0.73 W	1.28 V
MI5HF25V0.315	S095558	5x20	250 V	0,315 A	0.072 A²s	1500 A	0.83 W	1.11 V
MI5HF25V0.4	T095559	5x20	250 V	0,4 A	0.25 A²s	1500 A	0.88 W	1.13 V
MI5HF25V0.5	V095560	5x20	250 V	0,5 A	0.17 A²s	1500 A	0.2 W	0.01 V
MI5HF25V0.63	W095561	5x20	250 V	0,63 A	0.11 A²s	1500 A	1.65 W	1.04 V
MI5HF25V0.8	X095562	5x20	250 V	0,8 A	0.18 A²s	1500 A	1.52 W	0.76 V
MI5HF25V1	Y095563	5x20	250 V	1 A	0.17 A²s	1500 A	0.99 W	0.3 V
MI5HF25V1.25	C095567	5x20	250 V	1,25 A	0.58 A²s	1500 A	0.72 W	0.2 V
MI5HF25V1.6	D095568	5x20	250 V	1,6 A	0.89 A²s	1500 A	1.19 W	0.23 V
MI5HF25V2	E095569	5x20	250 V	2 A	1.91 A²s	1500 A	1.17 W	0.17 V
MI5HF25V2.5	F095570	5x20	250 V	2,5 A	2.61 A²s	1500 A	1.55 W	0.22 V
MI5HF25V3.15	G095571	5x20	250 V	3,15 A	2.68 A²s	1500 A	1.89 W	0.19 V
MI5HF25V4	H095572	5x20	250 V	4 A	12.9 A²s	1500 A	1.94 W	0.14 V
MI5HF25V6.3	K095574	5x20	250 V	6,3 A	79.3 A²s	1500 A	1.81 W	0.1 V

©2025 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

Fuses 5x20 - Quick acting - 5HF

TIME CURRENT CHARACTERISTIC CURVES



MERSEN.COM

©2025 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.

Expertise, our source of energy

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

©2025 Mersen. All rights reserved. Mersen reserves the right to change, adapt, limit or discontinue its products. Therefore the data provided herein are for information only and are not contractually binding. To ensure that Mersen provides the best solution to your needs, please contact and provide Mersen with all relevant technical specifications and conditions.