

Wkładki topikowe miniaturowe 5x20 typu 5ST

Typ: Miniaturowe 5ST

Charakterystyka: 5ST zwłoczne

Prąd znamionowy: 0,063-20A

Napięcie znamionowe: 250V AC

Zwarciova zdolność wyłączenia: 35 do 100A

Wielkości, wymiary: 5x20 mm

Wg normy: IEC 127-2 ark. 2 i 3

Budowa: korpus szklany

Zastosowanie: w elektronice

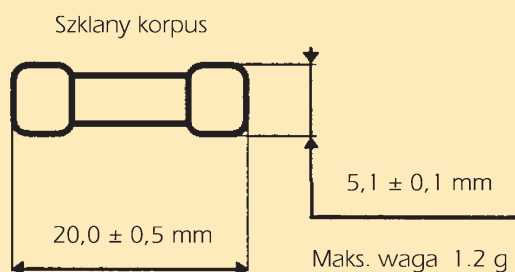
Producent: MERSEN (FERRAZ SHAWMUT)



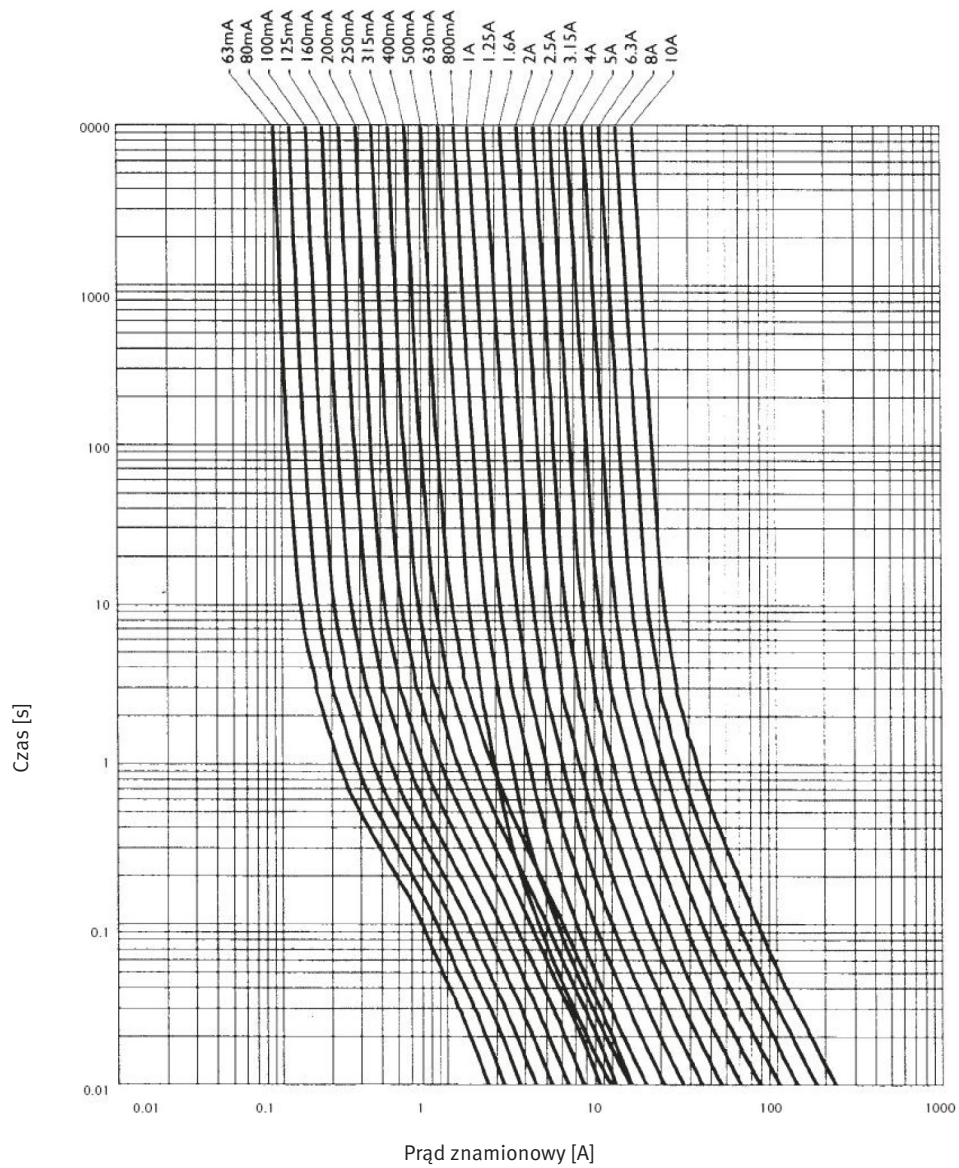
Napięcie [V]	Prąd znamionowy [A]	Zdolność wyłączeniowa [A]	Straty mocy [W]	Maks. spadek napięcia [V]	Typ	Nr artykułu
250	0,063	35	0,28	2,77	MI5ST25V0,063	Do90531
250	0,08	35	0,29	2,24	MI5ST25V0,08	Eo90532
250	0,1	35	0,30	1,82	MI5ST25V0,1	Fo90533
250	0,125	35	0,30	1,47	MI5ST25V0,125	Go90534
250	0,16	35	0,31	1,19	MI5ST25V0,16	Ho90535
250	0,2	35	0,32	0,97	MI5ST25V0,2	Jo90536
250	0,25	35	0,32	0,78	MI5ST25V0,25	Ko90537
250	0,315	35	0,33	0,63	MI5ST25V0,315	Lo90538
250	0,4	35	0,34	0,51	MI5ST25V0,4	Mo90539
250	0,5	35	0,34	0,42	MI5ST25V0,5	No90540
250	0,63	35	0,18	0,17	MI5ST25V0,63	Po90541
250	0,8	35	0,20	0,15	MI5ST25V0,8	Qo90542
250	1	35	0,17	0,10	MI5ST25V1	Ro90543
250	1,25	35	0,19	0,09	MI5ST25V1,25	So90544
250	1,6	35	0,23	0,09	MI5ST25V1,6	To90545
250	2	35	0,26	0,08	MI5ST25V2	Vo90546
250	2,5	35	0,31	0,07	MI5ST25V2,5	Wo90547
250	3,15	35	0,36	0,07	MI5ST25V3,15	Xo90548
250	4	40	0,42	0,06	MI5ST25V4	Yo90549
250	5	50	0,49	0,06	MI5ST25V5	Zo90550
250	6,3	63	0,57	0,06	MI5ST25V6,3	Ao90551
250	8*	80	0,8	0,06	MI5ST25V8	P206070
250	10*	100	1	0,06	MI5ST25V10	Q206071
250	12,5*	-	-	-	MI5ST25V12	Z233449
250	16*	-	-	-	MI5ST25V16	A233450
250	20*	-	-	-	MI5ST25V20	B233451

* wartość niepotwierdzona certyfikatem

Pakowane po 50 szt.



Charakterystyka czasowo-prądowa



Czas przepalania się topika

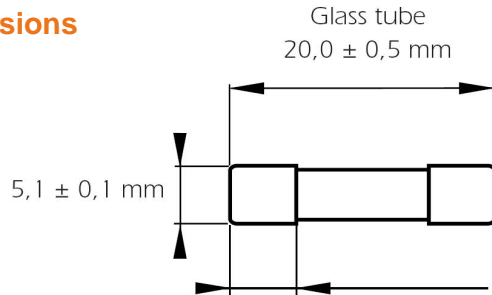
Prąd znamionowy	$210\% \times I_n$	$275\% \times I_n$	$400\% \times I_n$	$1000\% \times I_n$
od 0,8mA do 100mA	2min maxi	200ms mini/10s maxi	40ms mini/3s maxi	10ms mini/300ms maxi
od 125mA do 10A	2min maxi	600ms mini/10s maxi	150ms mini/3s maxi	20ms mini/300ms maxi

Miniature Fuses

Convenience Fuses 5x20
5F Fast Acting
250VAC from 0.032 to 20A



Dimensions



Product weight: 1.2g max.
Packaging: 10 boxes x 10 fuses.

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)
5x20	MI5F25V0.032	D222942	250	0.032	35
5x20	MI5F25V0.04	M200732	250	0.04	35
5x20	MI5F25V0.05	B201274	250	0.05	35
5x20	MI5F25V0.063	L201789	250	0.063	35
5x20	MI5F25V0.08	K211011	250	0.08	35
5x20	MI5F25V0.1	L200731	250	0.1	35
5x20	MI5F25V0.125	A201273	250	0.125	35
5x20	MI5F25V0.16	K201788	250	0.16	35
5x20	MI5F25V0.2	J211010	250	0.2	35
5x20	MI5F25V0.25	A211531	250	0.25	35
5x20	MI5F25V0.315	F212042	250	0.315	35
5x20	MI5F25V0.4	B211532	250	0.4	10 x In
5x20	MI5F25V0.5	Y212564	250	0.5	10 x In
5x20	MI5F25V0.63	J213080	250	0.63	10 x In
5x20	MI5F25V0.8	G212043	250	0.8	10 x In
5x20	MI5F25V1	D213581	250	1	10 x In
5x20	MI5F25V1.25	D214087	250	1.25	10 x In
5x20	MI5F25V1.6	Z212565	250	1.6	10 x In
5x20	MI5F25V2	J214598	250	2	10 x In
5x20	MI5F25V2.5	Q215110	250	2.5	10 x In
5x20	MI5F25V3.15	R215617	250	3.15	10 x In
5x20	MI5F25V4	Z216130	250	4	10 x In
5x20	MI5F25V5	W216633	250	5	10 x In
5x20	MI5F25V6.3	H217150	250	6.3	10 x In
5x20	MI5F25V8	M217660	250	8	10 x In
5x20	MI5F25V10	X218175	250	10	10 x In
5x20	MI5F25V12.5	K218693	250	12.5	10 x In
5x20	MI5F25V16	Y219211	250	16	10 x In
5x20	MI5F25V20	A219742	250	20	10 x In

Fuses without approval.

Miniature Fuses

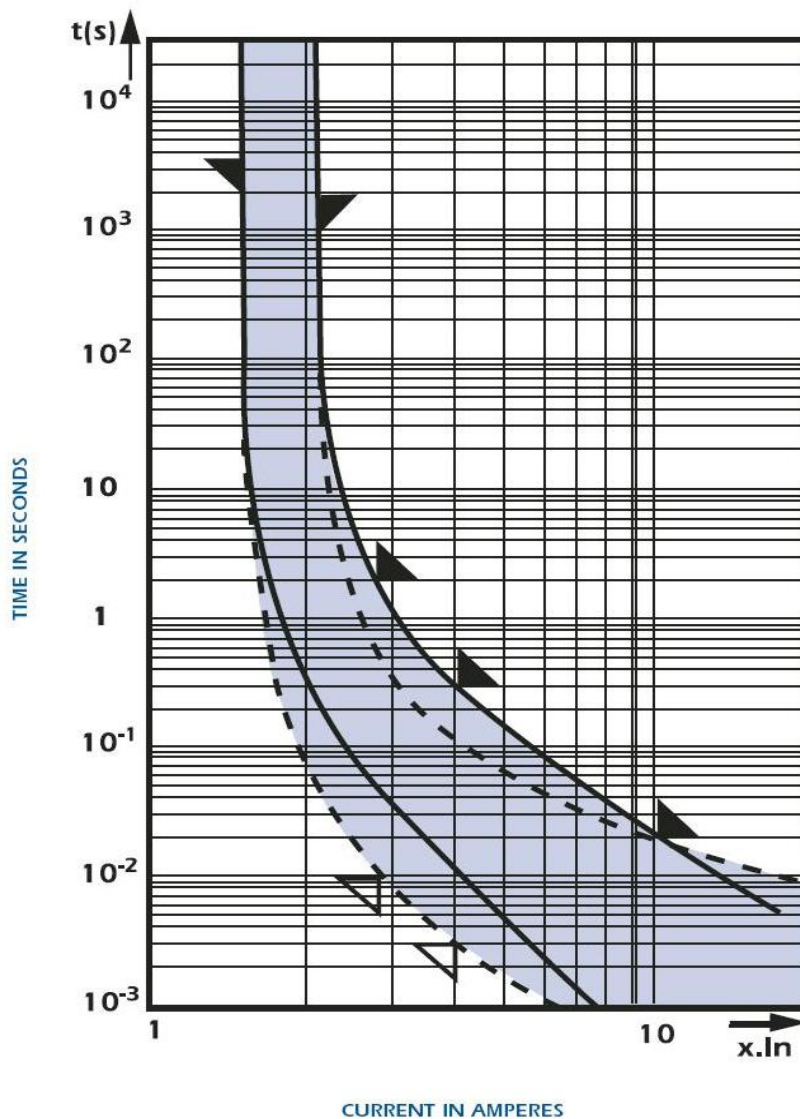
Convenience Fuses 5x20
5F Fast Acting
250VAC from 0.032 to 20A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 0.032mA to 100mA	30min maxi	10ms mini 500ms maxi	3ms mini 100ms maxi	20ms maxi
From 125mA to 20A	30min maxi	50ms mini 2s maxi	10ms mini 300ms maxi	20ms maxi

Time Current Curve



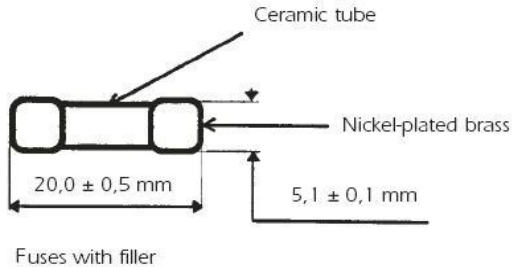
Miniature Fuses

Very HRC Fuses 5x20
FA/FB Very Fast Acting
125V to 250V from 0.04 to 20A



UL recognized E90660

Dimensions



Product weight: 1.2g max.

Packaging: in blister of 50 pieces.

Ask us about boxes of 1000 pieces

Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity under 250V (A)	Pre-arcing I ² t @ Rated voltage (A ² s)	Clearing I ² t @ Rated Voltage (A ² s)	Max. voltage drop (V)
MI5FB25V0.04	K084051	250	0.04*	Cos $\mu \geq 0.7^{**}$	0.00013	0.0004	1.5
MI5FB25V0.05	Q080468	250	0.05*	Cos $\mu \geq 0.7^{**}$	0.0002	0.0006	1.5
MI5FB25V0.063	N084054	250	0.063*	Cos $\mu \geq 0.7^{**}$	0.00041	0.0012	1.3
MI5FB25V0.08	P080467	250	0.08*	Cos $\mu \geq 0.7^{**}$	0.00077	0.0022	1.1
MI5FB25V0.1	L084052	250	0.1*	Cos $\mu \geq 0.7^{**}$	0.00131	0.0037	1.1
MI5FA25V0.125	L084029	250	0.125	Cos $\mu \geq 0.2^{***}$	0.00077	0.0021	1.7
MI5FA25V0.16	F084001	250	0.16	Cos $\mu \geq 0.2^{***}$	0.002	0.006	1.3
MI5FA25V0.2	Y084017	250	0.2	Cos $\mu \geq 0.2^{***}$	0.0046	0.013	1.1
MI5FA25V0.25	G084002	250	0.25	Cos $\mu \geq 0.2^{***}$	0.009	0.025	1
MI5FA25V0.315	Z084018	250	0.315	Cos $\mu \geq 0.2^{***}$	0.016	0.045	0.9
MI5FA25V0.4	A084019	250	0.4	Cos $\mu \geq 0.2^{***}$	0.03	0.085	0.85
MI5FA25V0.5	H084003	250	0.5	Cos $\mu \geq 0.2^{***}$	0.05	0.15	0.8
MI5FA25V0.63	X084016	250	0.63	Cos $\mu \geq 0.2^{***}$	0.12	0.35	0.7
MI5FA25V0.8	C084021	250	0.8	Cos $\mu \geq 0.2^{***}$	0.25	0.72	0.6
MI5FA25V1	J084004	250	1	Cos $\mu \geq 0.2^{***}$	0.11	0.25	0.46
MI5FA25V1.25	K084005	250	1.25	Cos $\mu \geq 0.2^{***}$	0.26	0.65	0.36
MI5FA25V1.6	L084006	250	1.6	Cos $\mu \geq 0.2^{***}$	0.39	0.9	0.42
MI5FA25V2	M084007	250	2	Cos $\mu \geq 0.2^{***}$	0.81	1.9	0.37
MI5FA25V2.5	N084008	250	2.5	Cos $\mu \geq 0.2^{***}$	1.44	3.2	0.34
MI5FA25V3.15	P084009	250	3.15	Cos $\mu \geq 0.2^{***}$	2.46	5.5	0.33
MI5FA25V4	Q084010	250	4	Cos $\mu \geq 0.2^{***}$	4.6	10	0.31
MI5FA25V5	R084011	250	5	Cos $\mu \geq 0.2^{***}$	11	25	0.24
MI5FA25V6.3	S084012	250	6.3	Cos $\mu \geq 0.2^{***}$	23	50	0.2
MI5FA25V8	T084013	250	8	Cos $\mu \geq 0.2^{***}$	2.5	40	0.1
MI5FA25V10	V084014	250	10	Cos $\mu \geq 0.2^{***}$	4.5	70	0.095
MI5FA25V12.5	W084015	250	# 12.5	Cos $\mu \geq 0.2^{***}$	8.1	120	0.09
MI5FA12.5V14	F085933	125	14	Cos $\mu \geq 0.7^{****}$	-	-	-
MI5FA12.5V16	R084034	125	# 16*	Cos $\mu \geq 0.7^{****}$	25	160	0.062
MI5FA12.5V20	D084022	125	# 20*	Cos $\mu \geq 0.7^{****}$	51	330	0.056

* Non-certified rating

**250VAC 4kA Cos $\mu \geq 0.7$

***250VAC 30kA Cos $\mu \geq 0.2$ for approvals (UL 198G) I_c = 10kA under 250VAC Cos $\mu \geq 0.7$

****10kA 125V Cos $\mu \geq 0.7$

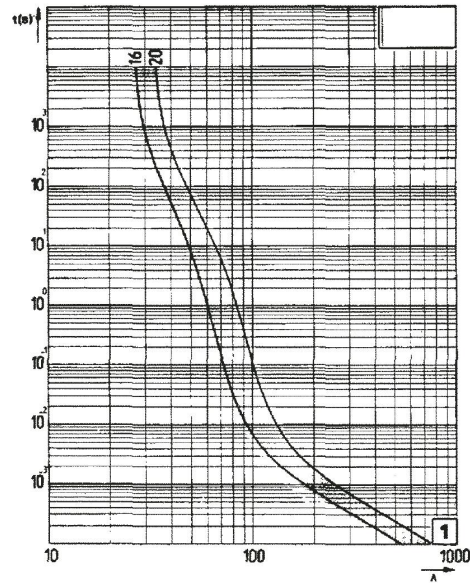
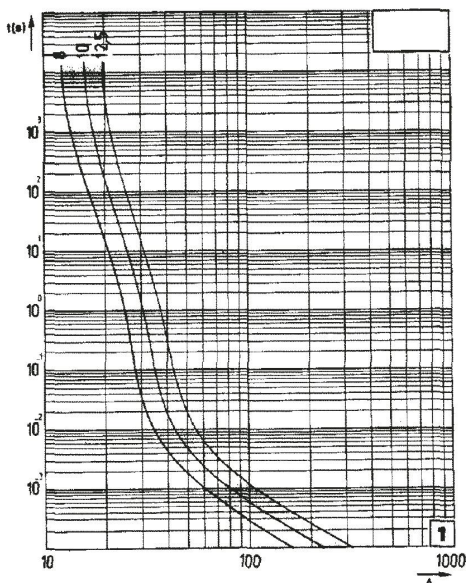
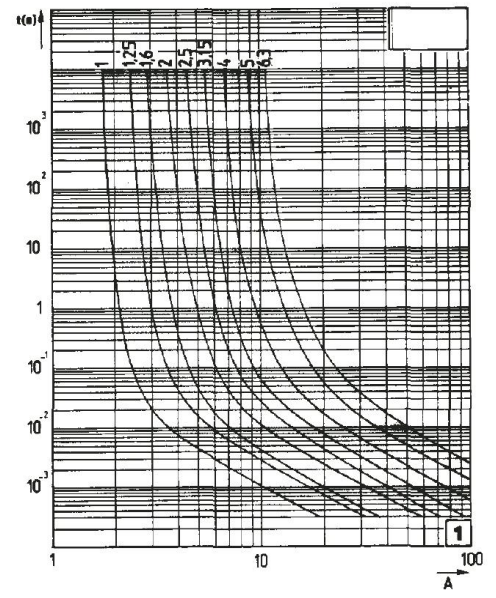
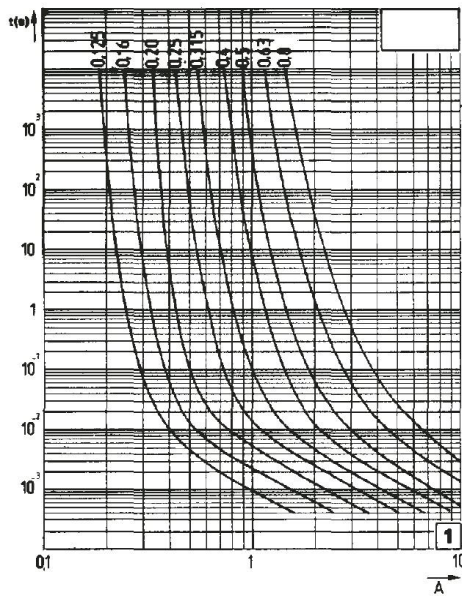
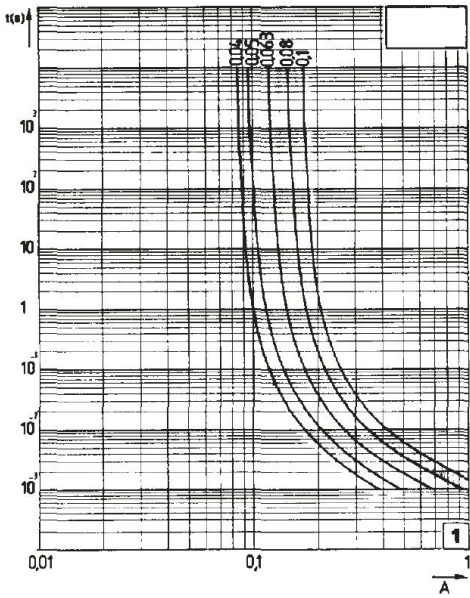
For these ratings, heating within fuse holders must be checked

Miniature Fuses

Very HRC Fuses 5x20
FA/FB Very Fast Acting
125V to 250V from 0.04 to 20A



Time Current Curves



Miniature Fuses

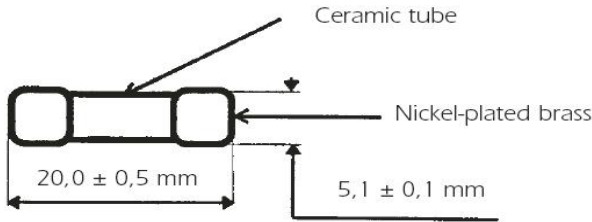
IEC Fuses 5x20
High breaking capacity
FC Fast Acting
250VAC from 0.16 to 10A



Complying with IEC-127-2 Standard Sheet 5



Dimensions



Sand-filled fuses

Product weight: 1.2g max.

Packaging: in box of 1000 pieces. These fuses are available with axial leads : refer to data sheet FC "AL" Fast Acting.

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Pre-arcing I ² t @ Rated voltage (A ² s)	Clearing I ² t @ Rated Voltage (A ² s)	Max. voltage drop (V)
5x20	MI5FC25V0.16	S206027	250	0.16	*	0.0011	0.0025	1.6
5x20	MI5FC25V0.20	T206028	250	0.2	*	0.0018	0.004	1.45
5x20	MI5FC25V0.25	K206112	250	0.25	*	0.0035	0.008	1.3
5x20	MI5FC25V0.31	W206030	250	0.315	*	0.0072	0.016	1.15
5x20	MI5FC25V0.4	X206031	250	0.4	*	0.015	0.032	1.1
5x20	MI5FC25V0.5	Y206032	250	0.5	*	0.032	0.066	1
5x20	MI5FC25V0.63	Z206033	250	0.63	*	0.052	0.082	0.45
5x20	MI5FC25V0.8	A206034	250	0.8#	*	0.098	0.16	0.4
5x20	MI5FC25V1	T205844	250	1	*	0.2	0.32	0.37
5x20	MI5FC25V1.25	D206037	250	1.25	*	0.11	0.35	0.55
5x20	MI5FC25V1.6	E206038	250	1.6	*	0.28	0.55	0.42
5x20	MI5FC25V2	F205119	250	2	*	0.55	1.2	0.38
5x20	MI5FC25V2.5	F206039	250	2.5	*	1.1	2.4	0.34
5x20	MI5FC25V3.15	G206040	250	3.15	*	2.5	5	0.28
5x20	MI5FC25V4	H206041	250	4	*	6.1	12	0.23
5x20	MI5FC25V5	Y205411	250	5	*	11	22	0.21
5x20	MI5FC25V6.3	E205785	250	6.3	*	25	45	0.18
5x20	MI5FC25V8	G205925	250	8#	*	72	130	0.13
5x20	MI5FC25V10	T205683	250	10#	*	150	270	0.11

#Non-standard ratings

*Along IEC 127 1500A under 250VAC Cos $\mu \geq 0.7$. Along IEC 269.1 and IEC 269.3 6kA under 250VAC Cos $\mu \geq 0.2$

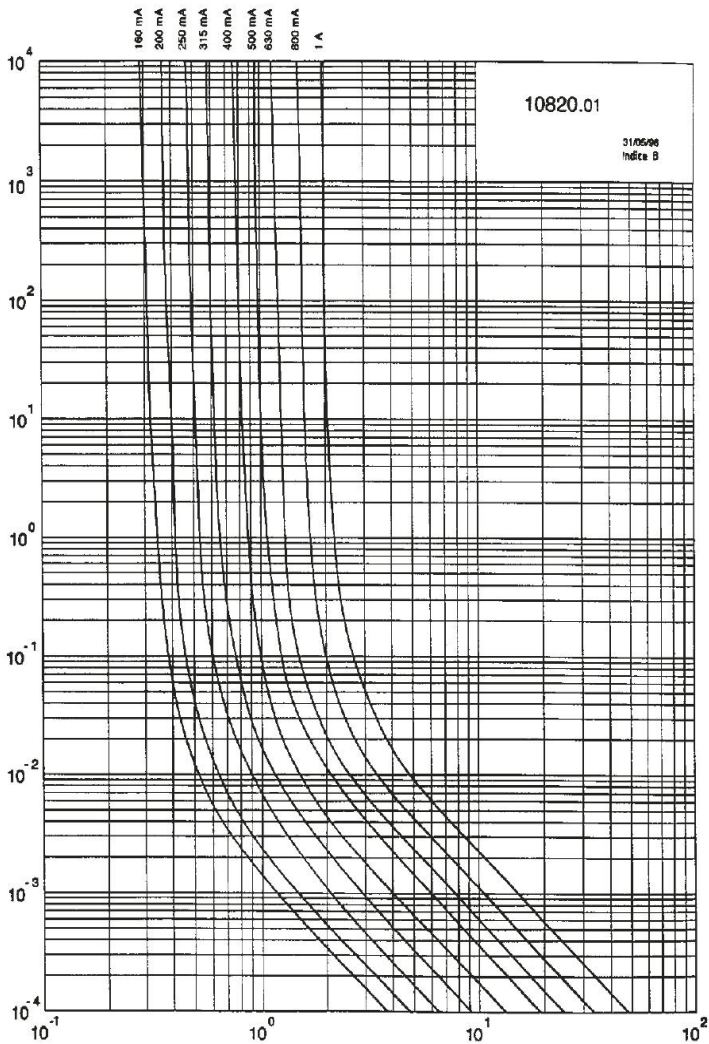
Miniature Fuses

IEC Fuses 5x20
 High breaking capacity
 FC Fast Acting
 250VAC from 0.16 to 10A

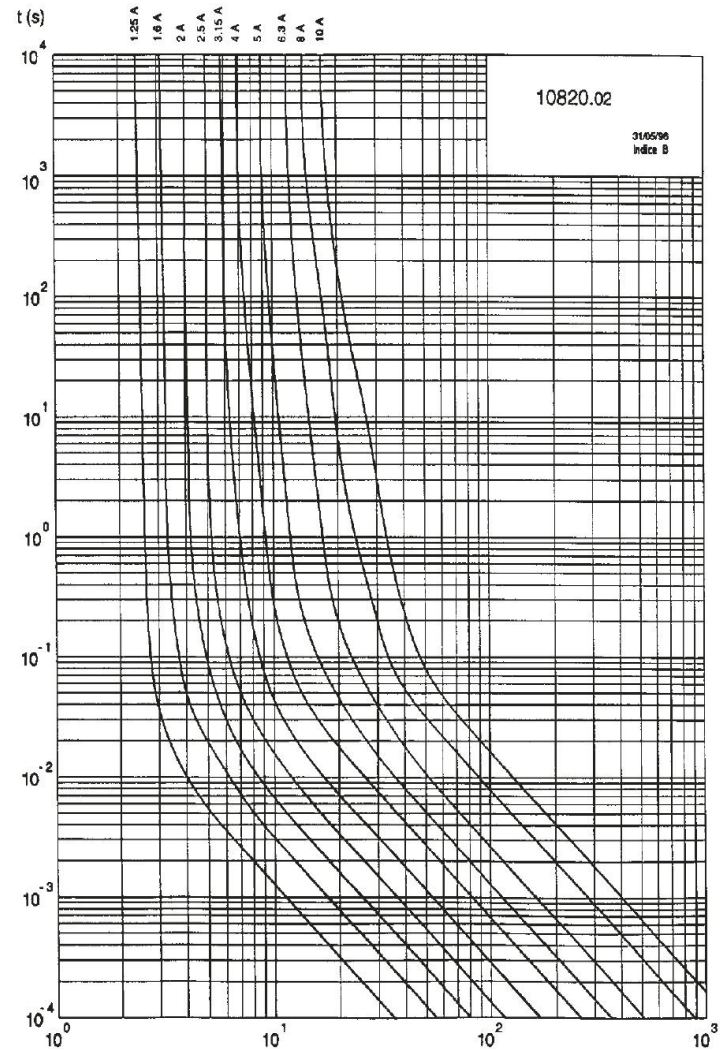


Time Current Curves

250V from 160mA to 1A



250V to 1.25A to 10A



I tolerance $\pm 12\%$. Actual pre-arcing time (s). R.M.S. Value of pre-arcing current (A).

Miniature Fuses

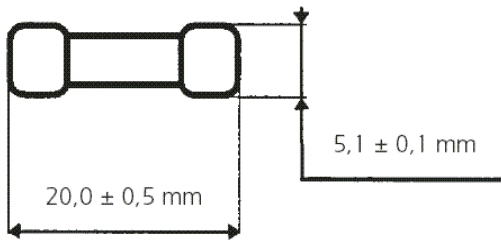
IEC Fuses 5x20
High breaking capacity
5HF Fast Acting
250VAC from 0.1 to 20A



Complying with IEC-127-2 Standard Sheet 1

Dimensions

Ceramic tube



Max weight: 1,2 g



Product weight: 1.2g max.

Packaging: in box of 100 and 1000 pieces
or in blister of 50 pieces

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Watts Loss @ 100% In (W)	Max. voltage drop (V)
5x20	MI5HF25V0.1	G095548	250	0.1#	1500	0.3	0.56
5x20	MI5HF25V0.125	H095549	250	0.125#	1500	0.36	0.54
5x20	MI5HF25V0.16	J095550	250	0.16#	1500	0.43	0.52
5x20	MI5HF25V0.2	Q095556	250	0.2#	1500	0.52	0.5
5x20	MI5HF25V0.25	R095557	250	0.25#	1500	0.63	0.48
5x20	MI5HF25V0.315	S095558	250	0.315#	1500	0.76	0.46
5x20	MI5HF25V0.4	T095559	250	0.4#	1500	0.92	0.44
5x20	MI5HF25V0.5	V095560	250	0.5#	1500	1.11	0.43
5x20	MI5HF25V0.63	W095561	250	0.63#	1500	1.35	0.41
5x20	MI5HF25V0.8	X095562	250	0.8#	1500	0.58	0.2
5x20	MI5HF25V1	Y095563	250	1	1500	0.69	0.18
5x20	MI5HF25V1.25	C095567	250	1.25	1500	0.81	0.17
5x20	MI5HF25V1.6	D095568	250	1.6	1500	0.96	0.16
5x20	MI5HF25V2	E095569	250	2	1500	1.1	0.15
5x20	MI5HF25V2.5	F095570	250	2.5	1500	1.3	0.14
5x20	MI5HF25V3.15	G095571	250	3.15	1500	1.6	0.14
5x20	MI5HF25V4	H095572	250	4	1500	1.9	0.13
5x20	MI5HF25V5	J095573	250	5	1500	2.2	0.12
5x20	MI5HF25V6.3	K095574	250	6.3	1500	2.7	0.113
5x20	MI5HF25V8	J085407	250	8*#	1500	3.1	0.106
5x20	MI5HF25V10	K085408	250	10*#	1500	3.7	0.1
5x20	MI5HF25V12	G210341	250	12.5*#	1500	-	-
5x20	MI5HF25V16	H210342	250	16*#	1500	-	-
5x20	MI5HF25V20	J210343	250	20*#	1500	-	-

* Non-standard ratings.

Product non-certified



Miniature Fuses

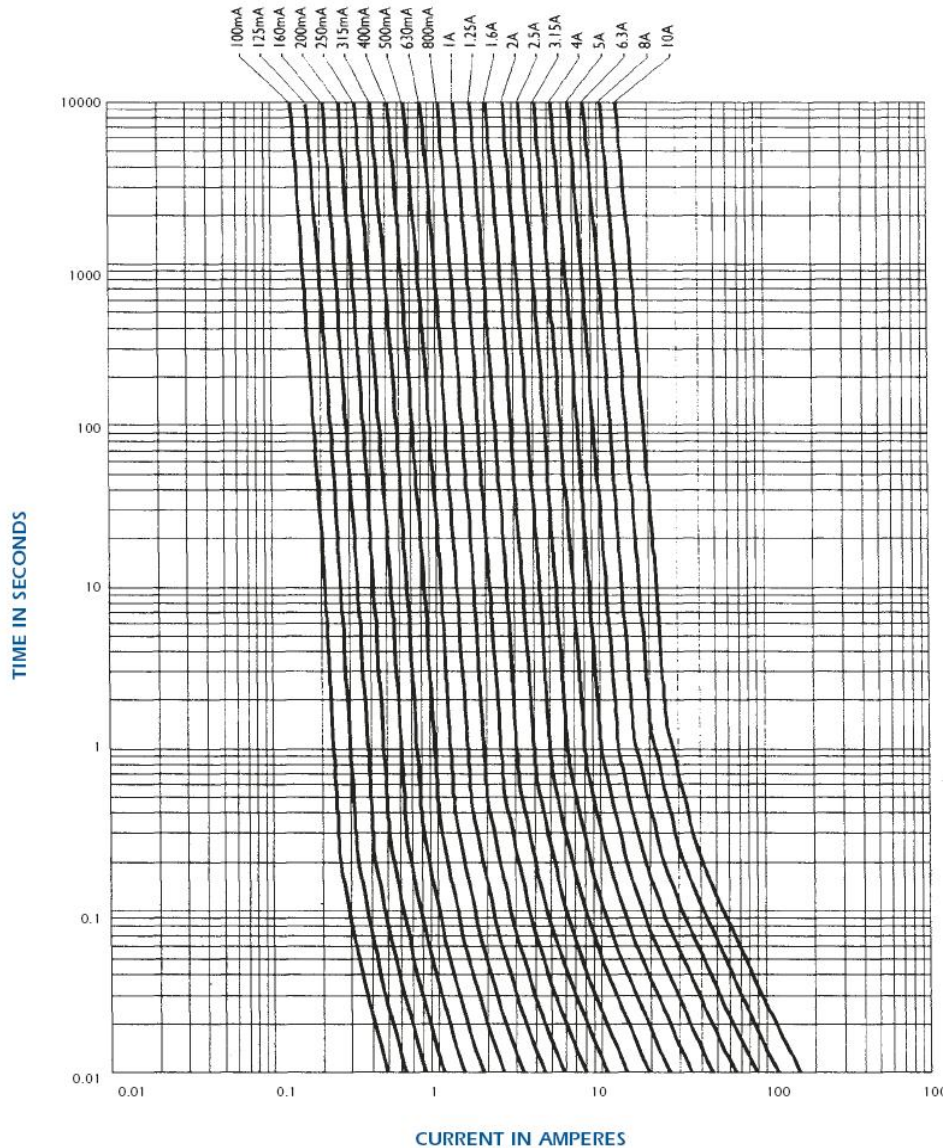
IEC Fuses 5x20
 High breaking capacity
 5HF Fast Acting
 250VAC from 0.1 to 20A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 1A to 3.15A	30min maxi	10ms mini 2s maxi	40ms mini 2s maxi	5ms mini 90ms maxi
From 4A to 10A	10min maxi	10ms mini 3s maxi	3ms mini 300ms maxi	20ms maxi

Time Current Curve



Miniature Fuses

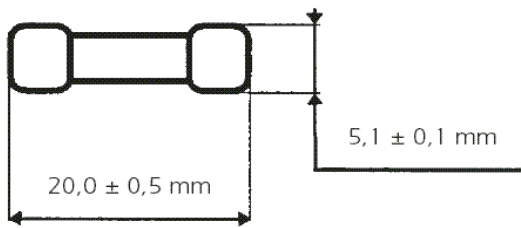
IEC Fuses 5x20
High breaking capacity
5HT Time Lag
250VAC from 0.25 to 16A



Complying with IEC-127-2 Standard Sheet 5

Dimensions

Ceramic tube



Max weight: 1,2 g

Product weight: 1.2g max.
Packaging: in box of 1000 pieces
or in blister of 50 pieces



Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Watts Loss @ 100% In (W)	Max. voltage drop (V)
5x20	MI5HT25V0.25	P085366	250	0.25#	1500	-	0.7
5x20	MI5HT25V0.315	R094821	250	0.315#	1500	-	0.68
5x20	MI5HT25V0.4	W094825	250	0.4#	1500	-	0.64
5x20	MI5HT25V0.5	S085369	250	0.5#	1500	-	0.6
5x20	MI5HT25V0.63	X094826	250	0.63#	1500	-	0.5
5x20	MI5HT25V0.8	V085371	250	0.8#	1500	-	-
5x20	MI5HT25V1	W085372	250	1	1500	0.73	0.25
5x20	MI5HT25V1.25	X085373	250	1.25	1500	0.81	0.22
5x20	MI5HT25V1.6	Y085374	250	1.6	1500	0.91	0.19
5x20	MI5HT25V2	Z085375	250	2	1500	1	0.17
5x20	MI5HT25V2.5	A085376	250	2.5	1500	1.1	0.15
5x20	MI5HT25V3.1	B085377	250	3.15	1500	1.2	0.13
5x20	MI5HT25V4	C085378	250	4	1500	1.4	0.1
5x20	MI5HT25V5	D085379	250	5	1500	1.5	0.1
5x20	MI5HT25V6.3	E085380	250	6.3	1500	1.7	0.1
5x20	MI5HT25V8	A208357	250	8*	1500	2.7	0.1
5x20	MI5HT25V10	B208358	250	10*	1500	2.9	0.1
5x20	MI5HT25V12.5	D210338	250	12.5*#	-	-	-
5x20	MI5HT25V16	E210339	250	16*#	-	-	-

* Non-standard ratings

Product non-certified



Miniature Fuses

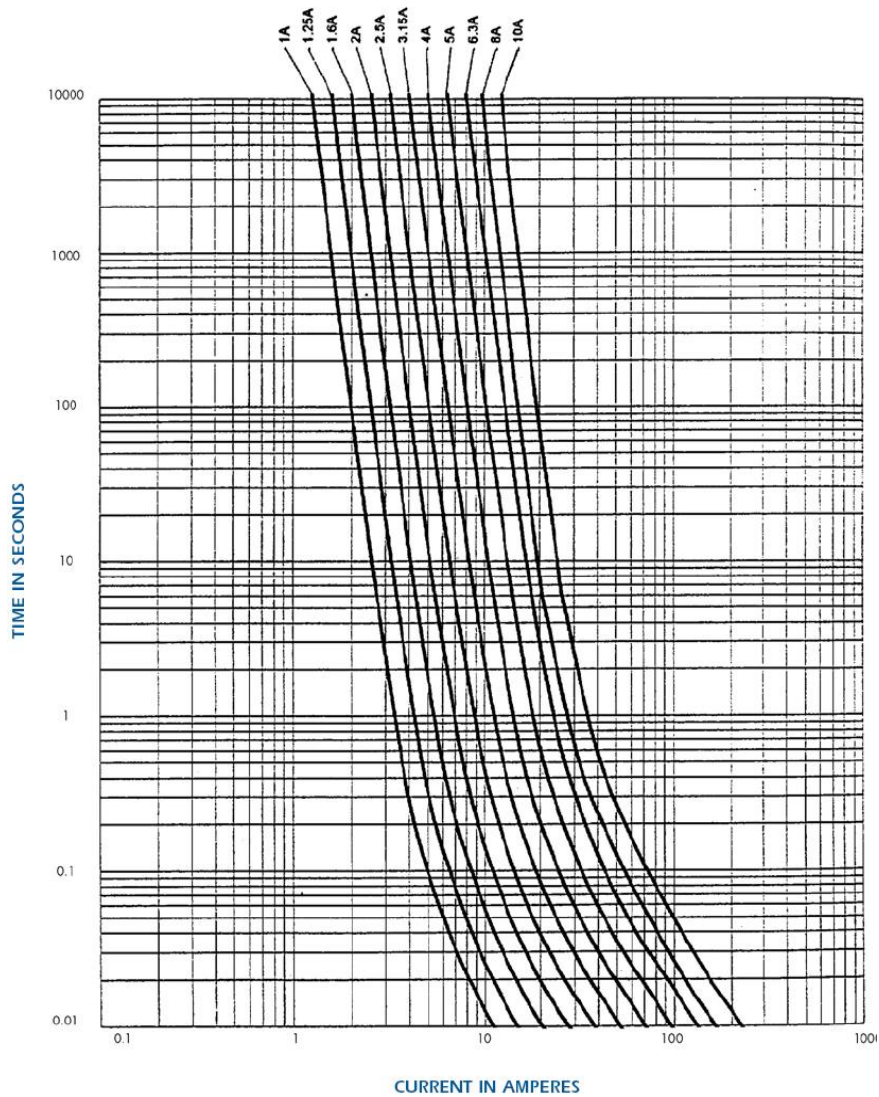
IEC Fuses 5x20
 High breaking capacity
 5HT Time Lag
 250VAC from 0.25 to 16A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 1A to 3.15A	30min maxi	1s mini 80s maxi	95ms mini 5s maxi	10ms mini 100ms maxi
From 4A to 10A	30min maxi	1s mini 80s maxi	150ms mini 5s maxi	20ms mini 100ms maxi

Time Current Curve

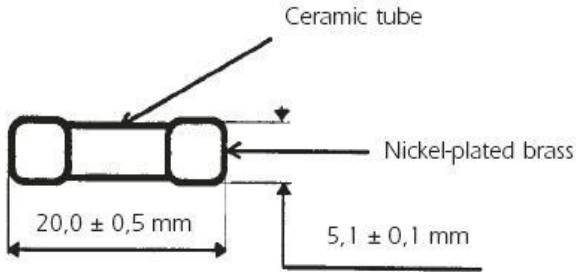


Miniature Fuses

Very HRC Fuses 5x20
SA Medium Time Lag
400V from 0.04 to 3.15A



Dimensions



Fuses with filler

Product weight: 1.2g max.
Packaging: in blister of 50 pieces.
Ask us about boxes of 1000 pieces

Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Pre-arcing I ² t @ Rated voltage (A ² s)	Clearing I ² t @ Rated Voltage (A ² s)	Max. voltage drop (V)
MI5SA40V0.04	P078926	400	0.04	-	-	-	-
MI5SA40V0.05	Q078927	400	0.05	-	-	-	-
MI5SA40V0.063	R078928	400	0.063	-	-	-	-
MI5SA40V0.08	S078929	400	0.08	-	-	-	-
MI5SA40V0.1	C095429	400	0.1	*Cos $\mu \geq 0.7$	0.00077	0.0045	1.4
MI5SA40V0.125	T078930	400	0.125	*Cos $\mu \geq 0.7$	0.002	0.00123	1.1
MI5SA40V0.16	Q095993	400	0.16	*Cos $\mu \geq 0.7$	0.0046	0.0275	0.9
MI5SA40V0.2	R095994	400	0.2	*Cos $\mu \geq 0.7$	0.009	0.054	0.8
MI5SA40V0.25	E095431	400	0.25	*Cos $\mu \geq 0.7$	0.016	0.095	0.75
MI5SA40V0.315	A095450	400	0.315	*Cos $\mu \geq 0.7$	0.03	0.18	0.7
MI5SA40V0.4	S095995	400	0.4	*Cos $\mu \geq 0.7$	0.05	0.3	0.68
MI5SA40V0.5	E095477	400	0.5	*Cos $\mu \geq 0.7$	0.12	0.73	0.55
MI5SA40V0.63	T095996	400	0.63	*Cos $\mu \geq 0.7$	0.11	0.45	0.26
MI5SA40V0.8	G095479	400	0.8	*Cos $\mu \geq 0.7$	0.17	0.71	0.26
MI5SA40V1	J095481	400	1	*Cos $\mu \geq 0.7$	0.26	1.1	0.26
MI5SA40V1.25	Y095494	400	1.25	*Cos $\mu \geq 0.7$	0.55	2.25	0.2
MI5SA40V1.6	Z095495	400	1.6	*Cos $\mu \geq 0.7$	1.44	6	0.16
MI5SA40V2	A095496	400	2	*Cos $\mu \geq 0.7$	2.46	10	0.15
MI5SA40V2.5	B095497	400	2.5	*Cos $\mu \geq 0.7$	4.6	20	0.14
MI5SA40V3.15	C095498	400	3.15	*Cos $\mu \geq 0.7$	11	45	0.11

Ratings lower than 0.1A : please enquire

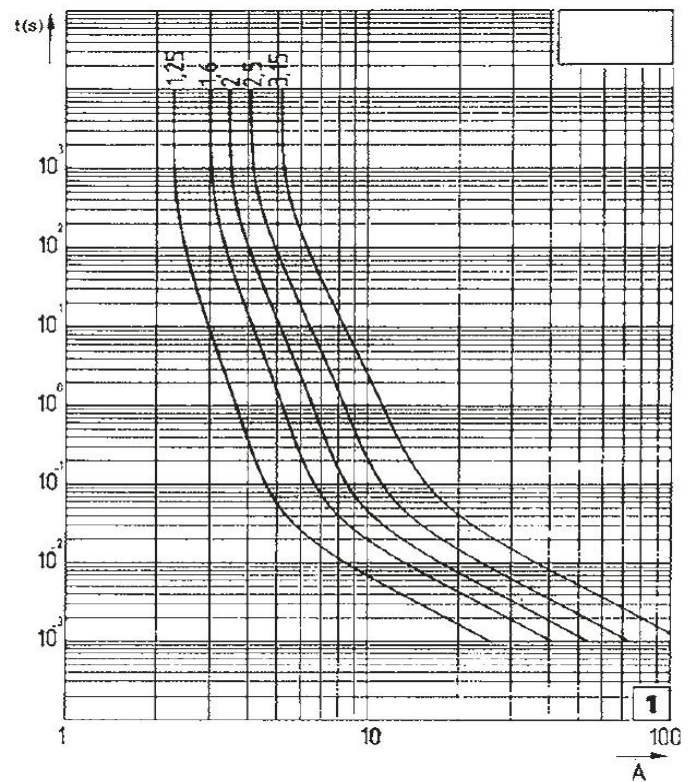
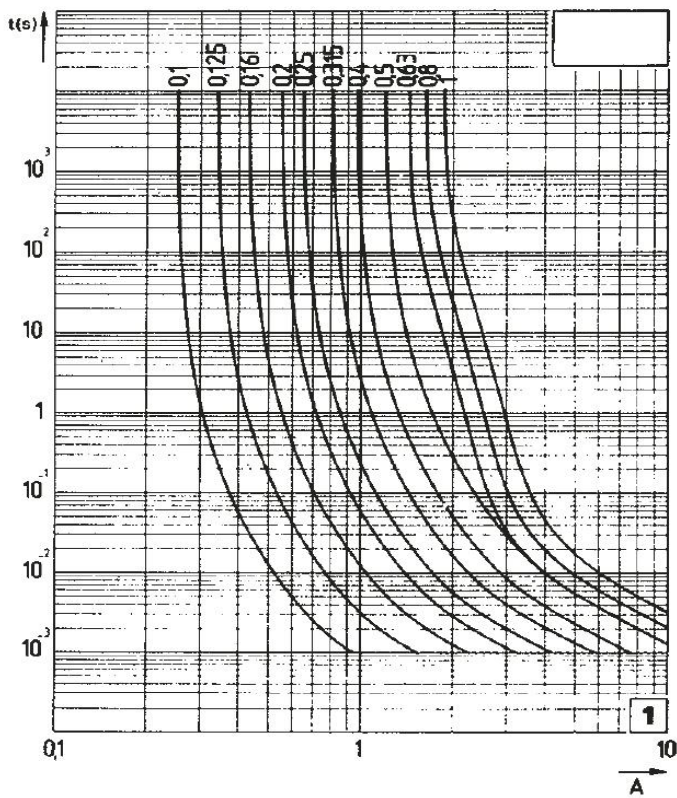
*10kA Cos $\mu \geq 0.7$

Miniature Fuses

Very HRC Fuses 5x20
SA Medium Time Lag
400V from 0.04 to 3.15A



Time Current Curves



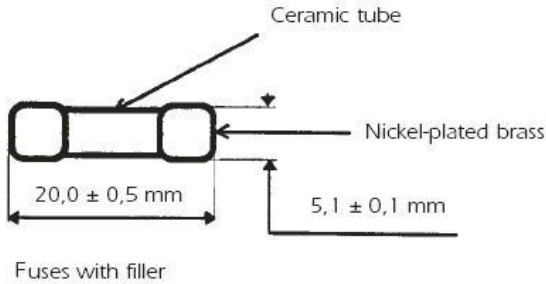
I margin $\pm 12\%$. Actual prearcing time(s). R.M.S. Value of prearcing current (A).

Miniature Fuses

Very HRC Fuses 5x20
SA/SB Medium Time Lag
125V to 250V from 0.04 to 16A



Dimensions



Product weight: 2.2g max.

Packaging: in blister of 50 pieces.
Ask us about boxes of 1000 pieces

Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity under 250V (A)	Pre-arcing I ² t @ Rated voltage (A ² s)	Clearing I ² t @ Rated Voltage (A ² s)	Max. voltage drop (V)
MI5SB25V0.04	C080479	250	0.04	Cos $\mu \geq 0.7^{**}$	0.00013	0.0004	1.5
MI5SB25V0.05	R080469	250	0.05	Cos $\mu \geq 0.7^{**}$	0.00029	0.00082	1.2
MI5SB25V0.063	F080482	250	0.063	Cos $\mu \geq 0.7^{**}$	0.00057	0.0016	1
MI5SB25V0.08	B080478	250	0.08	Cos $\mu \geq 0.7^{**}$	0.00131	0.0037	0.8
MI5SA25V0.1	M084122	250	0.1	Cos $\mu \geq 0.7^{**}$	0.00077	0.0021	1.4
MI5SA25V0.125	L084121	250	0.125	Cos $\mu \geq 0.7^{***}$	0.002	0.006	1.1
MI5SA25V0.16	P084101	250	0.16	Cos $\mu \geq 0.7^{***}$	0.0046	0.013	0.9
MI5SA25V0.2	G084117	250	0.2	Cos $\mu \geq 0.7^{***}$	0.009	0.025	0.8
MI5SA25V0.25	Q084102	250	0.25	Cos $\mu \geq 0.7^{***}$	0.016	0.045	0.75
MI5SA25V0.315	H084118	250	0.315	Cos $\mu \geq 0.7^{***}$	0.03	0.085	0.7
MI5SA25V0.4	J084119	250	0.4	Cos $\mu \geq 0.7^{***}$	0.05	0.15	0.68
MI5SA25V0.5	R084103	250	0.5	Cos $\mu \geq 0.7^{***}$	0.12	0.35	0.55
MI5SA25V0.63	F084116	250	0.63	Cos $\mu \geq 0.7^{***}$	0.11	0.25	0.26
MI5SA25V0.8	K084120	250	0.8	Cos $\mu \geq 0.7^{***}$	0.17	0.38	0.26
MI5SA25V1	S084104	250	1	Cos $\mu \geq 0.7^{***}$	0.26	0.65	0.26
MI5SA25V1.25	T087164	250	1.25	Cos $\mu \geq 0.7^{***}$	0.55	1.2	0.
MI5SA25V1.6	D087173	250	1.6	Cos $\mu \geq 0.7^{***}$	1.44	3.2	0.16
MI5SA25V2	M087020	250	2	Cos $\mu \geq 0.7^{***}$	2.46	5.5	0.15
MI5SA25V2.5	N087021	250	2.5	Cos $\mu \geq 0.7^{***}$	4.6	10	0.14
MI5SA25V3.15	P087022	250	3.15	Cos $\mu \geq 0.7^{***}$	11	25	0.11
MI5SA25V4	Q087023	250	4	Cos $\mu \geq 0.7^{***}$	23	50	0.1
MI5SA25V5	R087024	250	5	Cos $\mu \geq 0.7^{***}$	41	90	0.1
MI5SA25V6.3	S087025	250	6.3	Cos $\mu \geq 0.7^{***}$	15.7	50	0.11
MI5SA25V8	T087026	250	8	Cos $\mu \geq 0.7^{***}$	27.5	85	0.11
MI5SA25V10	V087027	250	10	Cos $\mu \geq 0.7^{***}$	53	160	0.1
MI5SA25V12.5	W087028	250	12.5*	Cos $\mu \geq 0.7^{****}$	63	200	0.095
MI5SA12.5V14	D086299	125	14	Cos $\mu \geq 0.7^{****}$	-	-	-
MI5SA12.5V16	W086338	125	16*	Cos $\mu \geq 0.7^{****}$	163	350	0.11

*For these ratings, heating within fuse holder must be checked

**250VAC 4kA Cos $\mu \geq 0.7$

***250VAC 10kA Cos $\mu \geq 0.7$

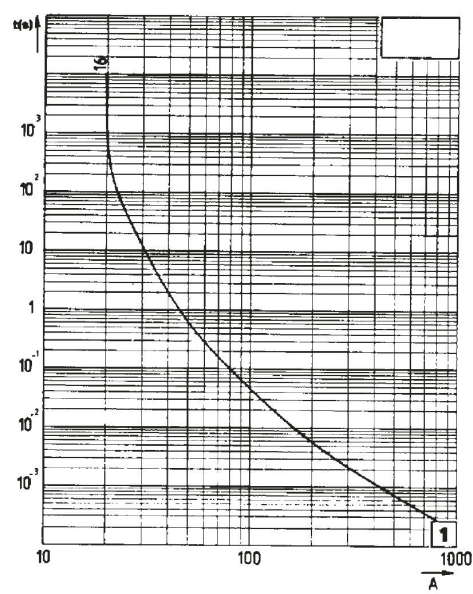
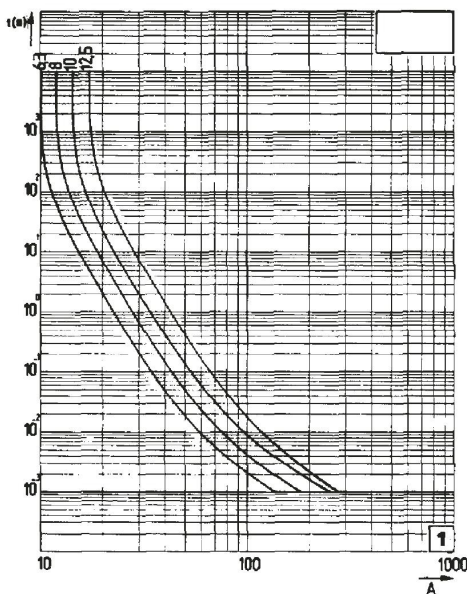
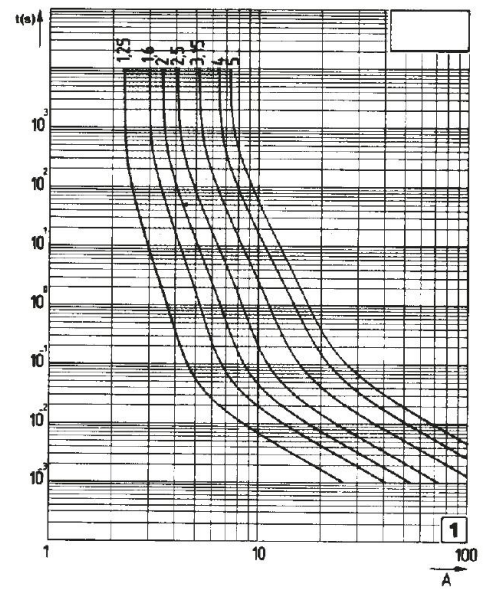
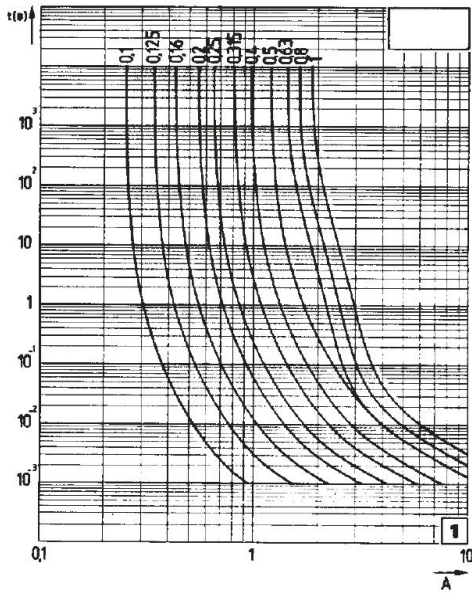
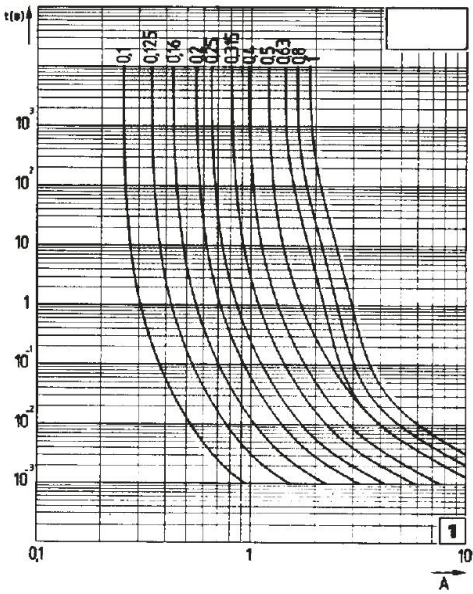
****125VAC 10kA Cos $\mu \geq 0.7$

Miniature Fuses

Very HRC Fuses 5x20
SA/SB Medium Time Lag
125V to 250V from 0.04 to 16A



Time Current Curves



I tolerance $\pm 12\%$. Actual pre-arcing time (s). R.M.S. Value of prearcing current (A).

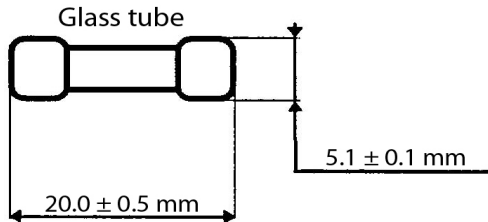
Miniature Fuses

IEC Fuses 5x20
Low breaking capacity
5SF Fast Acting
250VAC from 0.080 to 20A



Complying with IEC-127-2 Standard Sheet 2

Dimensions



Product weight: 1.2g max.
Packaging: in box of 100 and
1000 pieces or in blister of 50
pieces



Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Watts Loss @ 100% In (W)	Max. voltage drop (V)
5x20	MI5SF25V0.08	Z090504	250	0.08	35	0.39	0.93
5x20	MI5SF25V0.1	A090505	250	0.1	35	0.44	0.84
5x20	MI5SF25V0.125	B090506	250	0.125	35	0.5	0.76
5x20	MI5SF25V0.16	C090507	250	0.16	35	0.57	0.68
5x20	MI5SF25V0.20	D090508	250	0.2	35	0.64	0.62
5x20	MI5SF25V0.25	E090509	250	0.25	35	0.73	0.56
5x20	MI5SF25V0.315	F090510	250	0.315	35	0.83	0.5
5x20	MI5SF25V0.40	G090511	250	0.4	35	0.94	0.45
5x20	MI5SF25V0.50	H090512	250	0.5	35	0.12	0.14
5x20	MI5SF25V0.63	J090513	250	0.63	35	0.15	0.13
5x20	MI5SF25V0.80	K090514	250	0.8	35	0.2	0.13
5x20	MI5SF25V1	L090515	250	1	35	0.27	0.12
5x20	MI5SF25V1.25	M090516	250	1.25	35	0.35	0.11
5x20	MI5SF25V1.6	N090517	250	1.6	35	0.47	0.11
5x20	MI5SF25V2	P090518	250	2	35	0.62	0.1
5x20	MI5SF25V2.5	Q090519	250	2.5	35	0.82	0.1
5x20	MI5SF25V3.15	R090520	250	3.15	35	1.08	0.09
5x20	MI5SF25V4	S090521	250	4	40	1.43	0.09
5x20	MI5SF25V5	T090522	250	5	50	1.89	0.08
5x20	MI5SF25V6.3	V090523	250	6.3	63	2.5	0.08
5x20	MI5SF25V8	W090524	250	8*	80	3.3	0.08
5x20	MI5SF25V10	X090525	250	10*	100	4.37	0.07
5x20	MI5SF25V12.5	W233446	250	12.5**	10 x In	-	-
5x20	MI5SF25V16	X233447	250	16**	10 x In	-	-
5x20	MI5SF25V20	Y233448	250	20**	10 x In	-	-

* UL Recognized and CSA approval only

** Non standard rating

Miniature Fuses

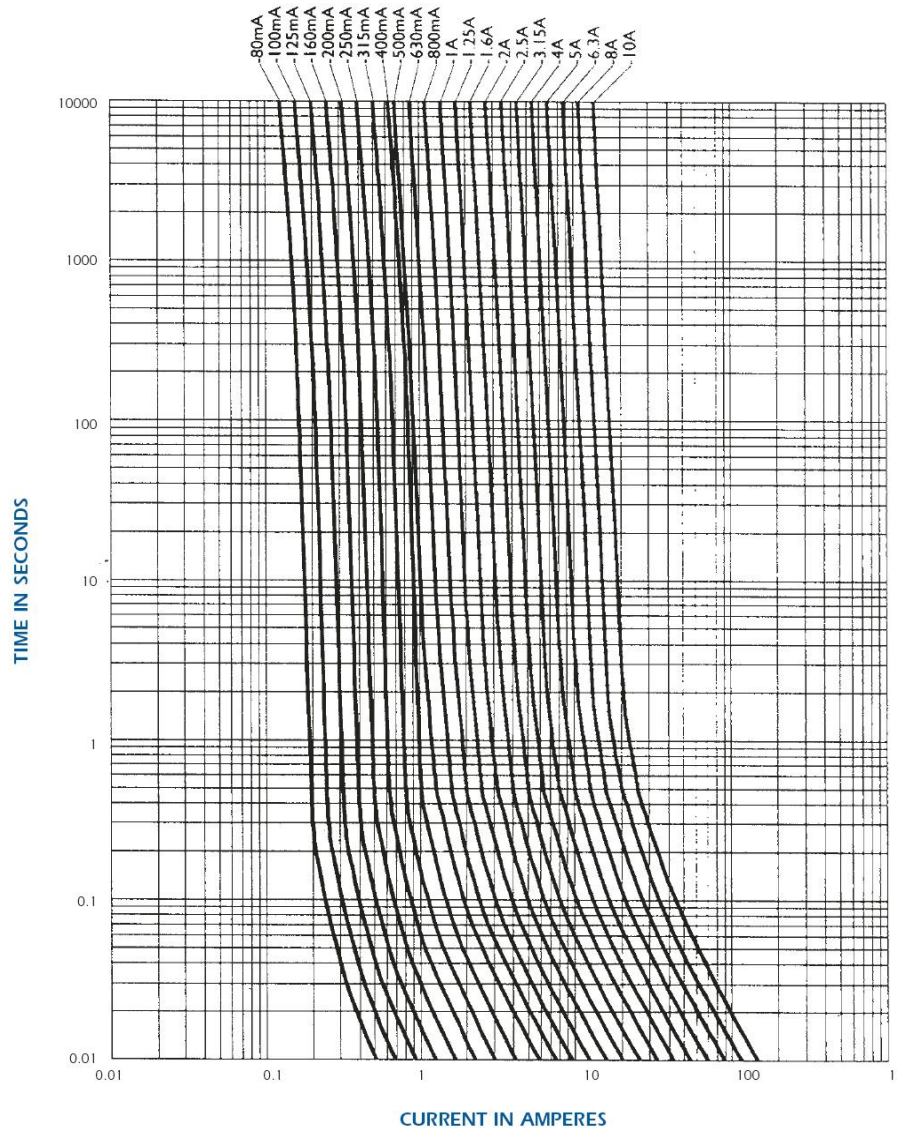
IEC Fuses 5x20
 Low breaking capacity
 5SF Fast Acting
 250VAC from 0.080 to 20A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 0.08mA to 100mA	30min maxi	10ms mini 500ms maxi	3ms mini 100ms maxi	20ms maxi
From 125mA to 10A	30min maxi	50ms mini 2s maxi	10ms mini 300ms maxi	20ms maxi

Time Current Curve

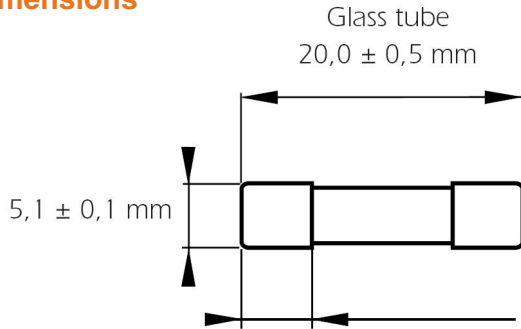


Miniature Fuses

Convenience Fuses 5x20
5SM Medium Time Lag
250VAC from 0.032 to 16A



Dimensions



Product weight: 1.2g max.
Packaging: 10 boxes x 10 fuses.

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity under 250V (A)
5x20	MI5SM25V0.032	D218158	250	0.032	80
5x20	MI5SM25V0.04	Q218675	250	0.04	80
5x20	MI5SM25V0.05	D219193	250	0.05	80
5x20	MI5SM25V0.063	H219726	250	0.063	80
5x20	MI5SM25V0.08	Q222171	250	0.08	80
5x20	MI5SM25V0.1	K222925	250	0.1	80
5x20	MI5SM25V0.125	T200715	250	0.125	80
5x20	MI5SM25V0.16	H201257	250	0.16	80
5x20	MI5SM25V0.2	T201773	250	0.2	80
5x20	MI5SM25V0.25	K207147	250	0.25	80
5x20	MI5SM25V0.315	J211516	250	0.315	80
5x20	MI5SM25V0.4	N212026	250	0.4	80
5x20	MI5SM25V0.5	F212548	250	0.5	80
5x20	MI5SM25V0.63	R213064	250	0.63	80
5x20	MI5SM25V0.8	M213566	250	0.8	80
5x20	MI5SM25V1	L214071	250	1	80
5x20	MI5SM25V1.25	T214584	250	1.25	80
5x20	MI5SM25V1.6	A215096	250	1.6	80
5x20	MI5SM25V2	A215602	250	2	80
5x20	MI5SM25V2.5	H216115	250	2.5	80
5x20	MI5SM25V3.15	E216618	250	3.15	80
5x20	MI5SM25V4	R217135	250	4	300
5x20	MI5SM25V5	E218159	250	5	300
5x20	MI5SM25V6.3	R218676	250	6.3	300
5x20	MI5SM25V8	E219194	250	8	300
5x20	MI5SM25V10	J219727	250	10	300
5x20	MI5SM25V16	R222172	250	16	300

Fuses without approval.

Miniature Fuses

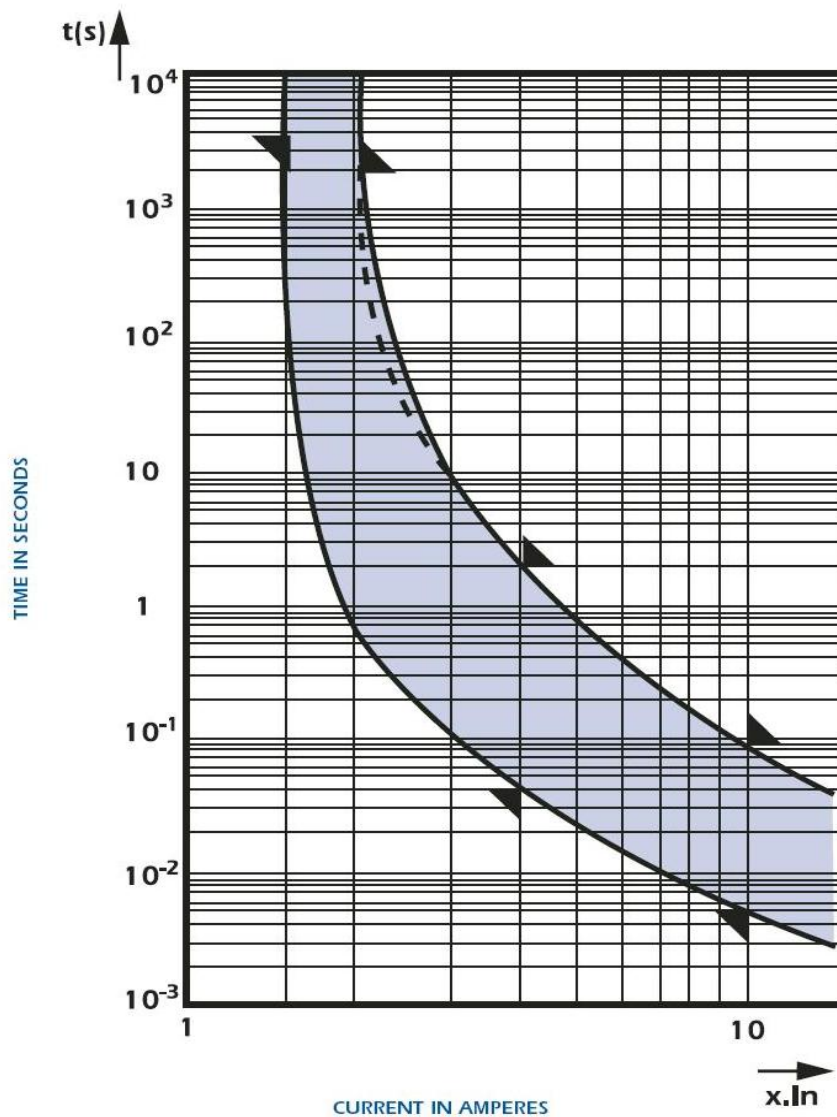
Convenience Fuses 5x20
5SM Medium Time Lag
250VAC from 0.032 to 16A



Melting Time Limits

Nominal current	210% x I _n	400% x I _n	1000% x I _n
From 0.32mA to 1.25A	10min maxi	40ms mini 2s maxi	5ms mini 90ms maxi
From 1.6A to 16A	30min maxi	40ms mini 2s maxi	5ms mini 90ms maxi

Time Current Curve



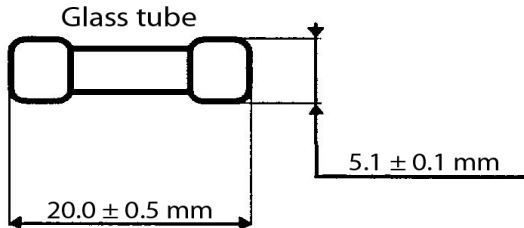
Miniature Fuses

IEC Fuses 5x20
Low breaking capacity
5ST Time Lag
250VAC from 0.063 to 20A



Complying with IEC-127-2 Standard Sheet 3

Dimensions



Product weight: 1.2g max.

Packaging: in box of 100 and 1000 pieces
or in blister of 50 pieces

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Watts Loss @ 100% In (W)	Max. voltage drop (V)
5x20	MI5ST25V0.063	D090531	250	0.063	35	0.28	2.77
5x20	MI5ST25V0.08	E090532	250	0.08	35	0.29	2.24
5x20	MI5ST25V0.1	F090533	250	0.1	35	0.3	1.82
5x20	MI5ST25V0.125	G090534	250	0.125	35	0.3	1.47
5x20	MI5ST25V0.16	H090535	250	0.16	35	0.31	1.19
5x20	MI5ST25V0.2	J090536	250	0.2	35	0.32	0.97
5x20	MI5ST25V0.25	K090537	250	0.25	35	0.32	0.78
5x20	MI5ST25V0.315	L090538	250	0.315	35	0.33	0.63
5x20	MI5ST25V0.4	M090539	250	0.4	35	0.34	0.51
5x20	MI5ST25V0.5	N090540	250	0.5	35	0.34	0.42
5x20	MI5ST25V0.63	P090541	250	0.63	35	0.18	0.17
5x20	MI5ST25V0.8	Q090542	250	0.8	35	0.2	0.15
5x20	MI5ST25V1	R090543	250	1	35	0.17	0.1
5x20	MI5ST25V1.25	S090544	250	1.25	35	0.19	0.09
5x20	MI5ST25V1.6	T090545	250	1.6	35	0.23	0.09
5x20	MI5ST25V2	V090546	250	2	35	0.26	0.08
5x20	MI5ST25V2.5	W090547	250	2.5	35	0.31	0.07
5x20	MI5ST25V3.15	X090548	250	3.15	35	0.36	0.07
5x20	MI5ST25V4	Y090549	250	4	40	0.42	0.06
5x20	MI5ST25V5	Z090550	250	5	50	0.49	0.06
5x20	MI5ST25V6.3	A090551	250	6.3	63	0.57	0.06
5x20	MI5ST25V8	P206070	250	8*	80	0.8	0.06
5x20	MI5ST25V10	Q206071	250	10*	100	1	0.06
5x20	MI5ST25V12	Z233449	250	12.5*	-	-	-
5x20	MI5ST25V16	A233450	250	16*	-	-	-
5x20	MI5ST25V20	B233451	250	20*	-	-	-

* Non-standard ratings

Miniature Fuses

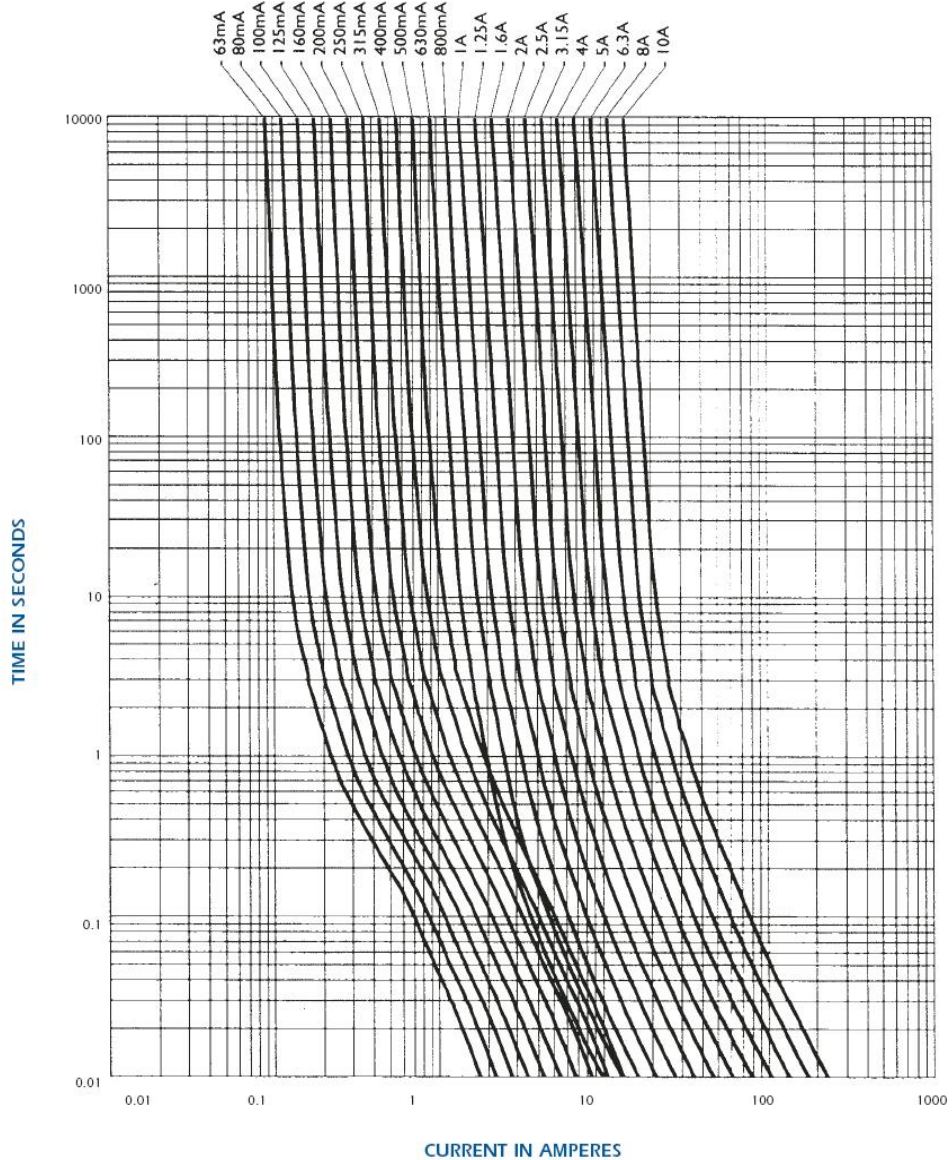
IEC Fuses 5x20
 Low breaking capacity
 5ST Time Lag
 250VAC from 0.063 to 20A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 0.063A to 0.1A	2min maxi	200ms mini 10s maxi	40ms mini 3s maxi	10ms mini 300ms maxi
From 0.125A to 10A	2min maxi	600ms mini 10s maxi	150ms mini 3s maxi	20ms mini 300ms maxi

Time Current Curve



Miniature Fuses

UL Fuses 5x20
SU Medium Time Lag
250VAC from 1.25 to 12.5A

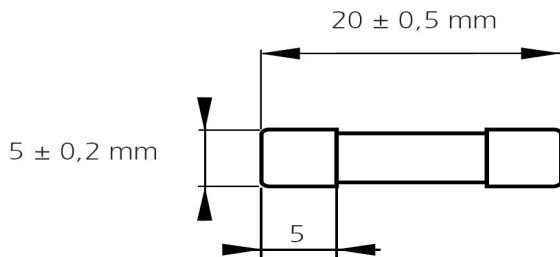


Complying with UL 198-G and CSA 22-2
UL Listed E90660
CSA certified LR 49184.3



Dimensions

ceramic tube



Product weight: 1.5g max.
Packaging: in blister of 50 pieces

Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)	Max. voltage drop (V)
MI5SU25V1.25	G087498	250	1.25	10000 Cos $\mu = 0.7$	0.6
MI5SU25V1.6	H087499	250	1.6	10000 Cos $\mu = 0.7$	0.5
MI5SU25V2	J087500	250	2	10000 Cos $\mu = 0.7$	0.4
MI5SU25V2.5	K087501	250	2.5	10000 Cos $\mu = 0.7$	0.35
MI5SU25V3.15	L087502	250	3.15	10000 Cos $\mu = 0.7$	0.29
MI5SU25V4	M087503	250	4	10000 Cos $\mu = 0.7$	0.24
MI5SU25V5	N087504	250	5	10000 Cos $\mu = 0.7$	0.2
MI5SU25V6.3	P087505	250	6.3	10000 Cos $\mu = 0.7$	0.17
MI5SU25V8	Q087506	250	8	10000 Cos $\mu = 0.7$	0.15
MI5SU25V10	R087507	250	10	10000 Cos $\mu = 0.7$	0.14
MI5SU25V12.5	S087508	250	12.5	10000 Cos $\mu = 0.7$	0.12

Miniature Fuses

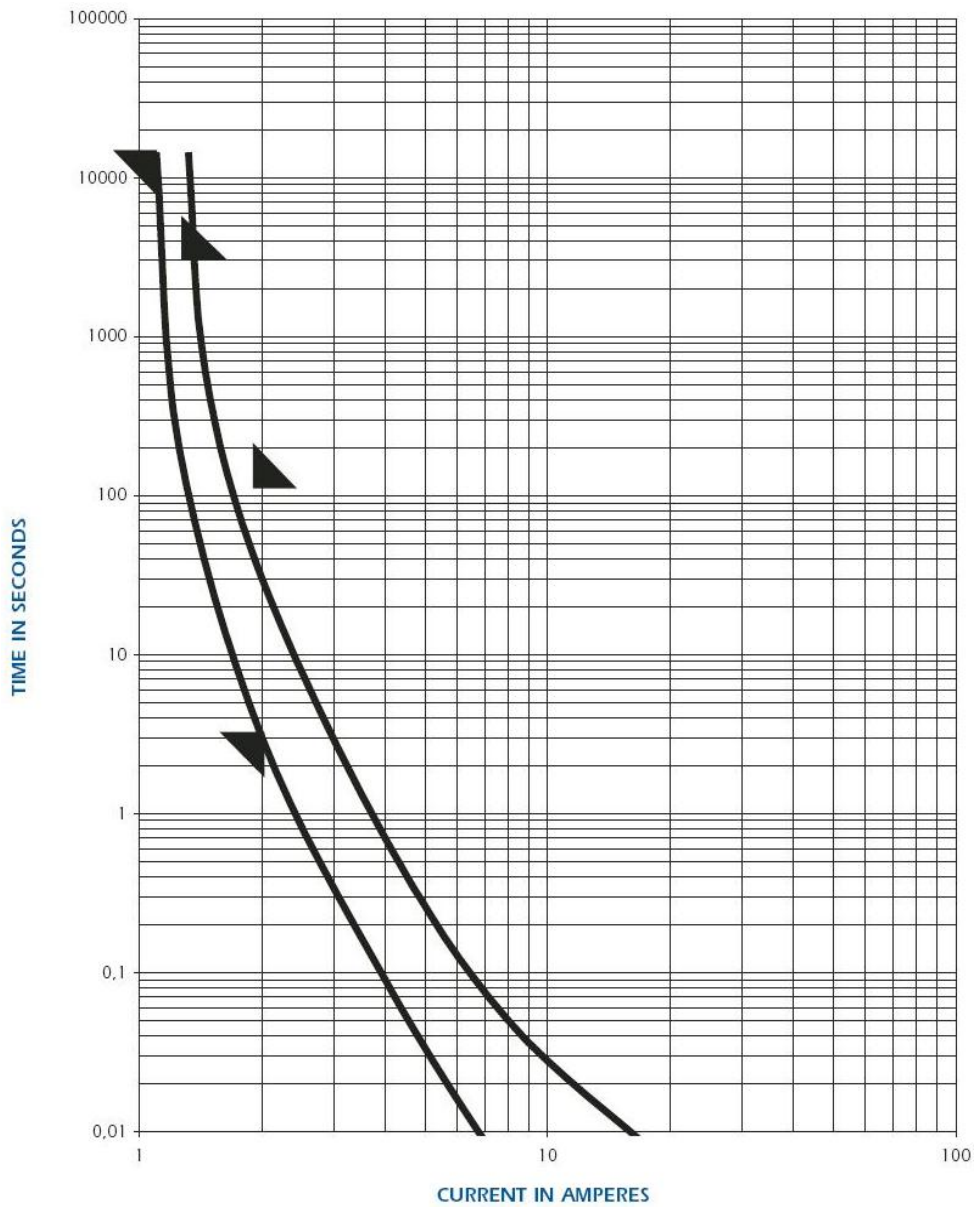
UL Fuses 5x20
 SU Medium Time Lag
 250VAC from 1.25 to 12.5A



Melting Time Limits

Nominal current	110% x I _n	135% x I _n	200% x I _n
From 1.25A to 15A	4h mini	3s mini 1h maxi	120s maxi

Time Current Curve

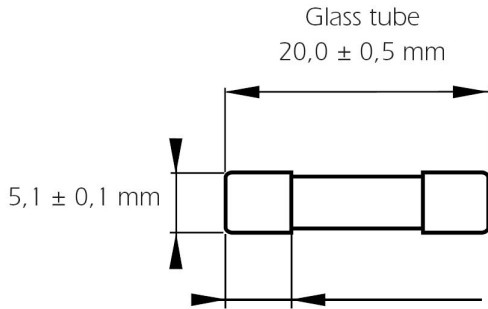


Miniature Fuses

Convenience Fuses 5x20
5T Time Lag
250VAC from 0.032 to 25A



Dimensions



Product weight: 1.2g max.

Packaging: 10 boxes x 10 fuses.

Size	Catalog Number	Reference Number	Rated Voltage (V)	Nominal Current (A)	Breaking capacity @ Nominal current (A)
5x20	MI5T25V0.032	C216639	250	0.032	35
5x20	MI5T25V0.04	P217156	250	0.04	35
5x20	MI5T25V0.05	T217666	250	0.05	35
5x20	MI5T25V0.063	D218181	250	0.063	35
5x20	MI5T25V0.08	R218699	250	0.08	35
5x20	MI5T25V0.1	B216638	250	0.1	35
5x20	MI5T25V0.125	N217155	250	0.125	35
5x20	MI5T25V0.16	S217665	250	0.16	35
5x20	MI5T25V0.2	C218180	250	0.2	35
5x20	MI5T25V0.25	Q218698	250	0.25	35
5x20	MI5T25V0.315	D219216	250	0.315	35
5x20	MI5T25V0.4	E219217	250	0.4	10 x In
5x20	MI5T25V0.5	F219747	250	0.5	10 x In
5x20	MI5T25V0.63	N222192	250	0.63	10 x In
5x20	MI5T25V0.8	G219748	250	0.8	10 x In
5x20	MI5T25V1	J222947	250	1	10 x In
5x20	MI5T25V1.25	S200737	250	1.25	10 x In
5x20	MI5T25V1.6	P222193	250	1.6	10 x In
5x20	MI5T25V2	G201279	250	2	10 x In
5x20	MI5T25V2.5	R201794	250	2.5	10 x In
5x20	MI5T25V3.15	Q211016	250	3.15	10 x In
5x20	MI5T25V4	G211537	250	4	10 x In
5x20	MI5T25V5	M212048	250	5	10 x In
5x20	MI5T25V6.3	E212570	250	6.3	10 x In
5x20	MI5T25V8	Q213086	250	8	10 x In
5x20	MI5T25V10	J213586	250	10	10 x In
5x20	MI5T25V12.5	P214603	250	12.5	10 x In
5x20	MI5T25V16	X215116	250	16	10 x In
5x20	MI5T25V20	Y215623	250	20	10 x In
5x20	MI5T25V25	D226484	250	25	10 x In

Miniature Fuses

Convenience Fuses 5x20
5T Time Lag
250VAC from 0.032 to 25A



Melting Time Limits

Nominal current	210% x I _n	275% x I _n	400% x I _n	1000% x I _n
From 0.032A to 0.1A	2min maxi	200ms mini 10s maxi	40ms mini 3s maxi	40ms mini 3s maxi
From 0.125A to 20A	2min maxi	600ms mini 10s maxi	150ms mini 3s maxi	20ms mini 300ms maxi

Time Current Curve

