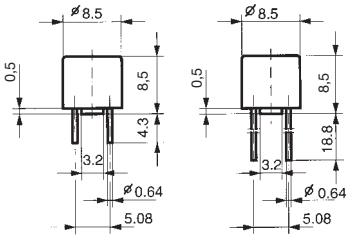
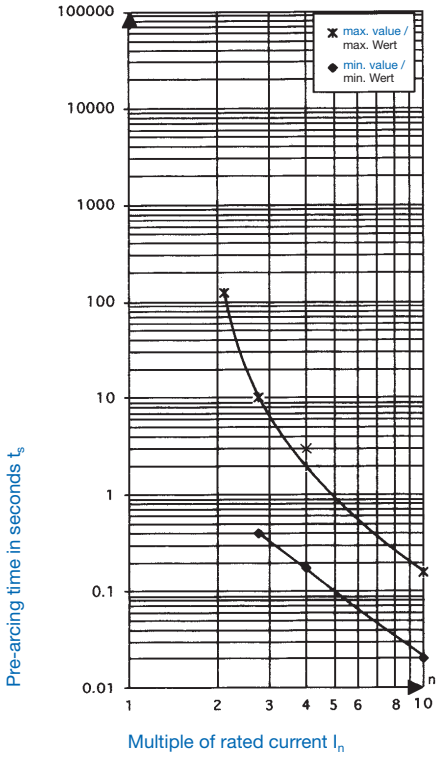
Subminiature Fuses Type MST 250

time-lag T
low breaking capacity
available in lead-free version **NEW**
directly solderable into printed circuit boards or plugable into fuseholders





Pre-arcing time/current characteristic (at T_a 23 °C)

Rated current I_n / Nennstrom I_n \ $n \cdot I_n$	1,5 · I_n*	2,1 · I_n	2,75 · I_n		4 · I_n		10 · I_n	
	min.	max	min.	max.	min.	max.	min.	max.
50 mA – 6,3A	60 min	2 min	400 ms	10 s	150 ms	3 s	20 ms	150 ms

* Non fusing current I_{nf}

Approvals

SEV
VDE
SEMKO
c UL us

Standards

IEC 60127-3/4; EN 60127-3/4
UL 248-14
CSA C22.2 No. 248.14
} with modifications based on IEC…/EN…

Order No. / Terminals short	long	Taped and reeled	Rated current I_n Rated voltage U_n	Breaking capacity	Voltage drop at I_n max. IEC 60127 mV	typ. mV	Sustained power dissipation at 1,5 I_n max. IEC 60127 mW	typ. mW	Pre-arcing I^2t at 10 · I_n typ. A^2s	Approvals SEV	VDE	SEMKO	c UL us
0034.6602	0034.6702	0034.6802	50 mA / 250 V	35 A/250 V AC p.f. / cos φ 1	550	415	155	55	$3 \cdot 10^{-2}$	•	•	•	•
0034.6603	0034.6703	0034.6803	63 mA / 250 V		480	420	160	70	$5 \cdot 10^{-2}$	•	•	•	•
0034.6604	0034.6704	0034.6804	80 mA / 250 V		400	360	165	80	$6 \cdot 10^{-2}$	•	•	•	•
0034.6605	0034.6705	0034.6805	100 mA / 250 V		350	320	170	90	$8 \cdot 10^{-2}$	•	•	•	•
0034.6606	0034.6706	0034.6806	125 mA / 250 V		300	270	180	90	$1{,}2 \cdot 10^{-1}$	•	•	•	•
0034.6607	0034.6707	0034.6807	160 mA / 250 V		280	190	190	80	$2{,}4 \cdot 10^{-1}$	•	•	•	•
0034.6608	0034.6708	0034.6808	200 mA / 250 V		260	150	200	80	$3{,}5 \cdot 10^{-1}$	•	•	•	•
0034.6609	0034.6709	0034.6809	250 mA / 250 V		240	120	220	80	$6 \cdot 10^{-1}$	•	•	•	•
0034.6610	0034.6710	0034.6810	315 mA / 250 V		220	120	250	100	$8 \cdot 10^{-1}$	•	•	•	•
0034.6611	0034.6711	0034.6811	400 mA / 250 V		200	110	280	100	1,1	•	•	•	•
0034.6612	0034.6712	0034.6812	500 mA / 250 V		190	100	310	100	2,5	•	•	•	•
0034.6613	0034.6713	0034.6813	630 mA / 250 V		180	90	360	100	4	•	•	•	•
0034.6614	0034.6714	0034.6814	800 mA / 250 V		160	80	430	200	8	•	•	•	•
0034.6615	0034.6715	0034.6815	1 A / 250 V		140	70	500	200	12	•	•	•	•
0034.6616	0034.6716	0034.6816	1,25 A / 250 V		130	70	600	300	15	•	•	•	•
0034.6617	0034.6717	0034.6817	1,6 A / 250 V		120	60	730	300	30	•	•	•	•
0034.6618	0034.6718	0034.6818	2 A / 250 V		100	60	870	300	34	•	•	•	•
0034.6619	0034.6719	0034.6819	2,5 A / 250 V		100	50	1000	400	55	•	•	•	•
0034.6620	0034.6720	0034.6820	3,15 A / 250 V		100	50	1200	500	76	•	•	•	•
0034.6621	0034.6721	0034.6821	4 A / 250 V	10 · I_n/250 V AC p.f. / cos φ 1	100	50	1400	600	80	•	•	•	•
0034.6622*	0034.6722*	0034.6822*	5 A / 250 V			50		900	230		•		•
0034.6623*	0034.6723*	0034.6823*	6,3 A / 250 V			45		1100	360		•		•

* Not mentioned in the standards

Additional technical data and packaging see page 72

Suitable fuseholder see page 180

Technical data and packaging
Types MSF 125
MSF 250
MST 250
MSTU 250
MXT 250

Additional technical data

Ambient temperature max. T_a	MSF 125: – 25 °C to + 85 °C MSF / MST / MSTU / MXT 250: – 40 °C to + 85 °C
Permissible continuous operating current at 23 °C	MSF 125: 0,7 · I_n MSF / MST / MSTU / MXT 250: 1 · I_n Shift of the rated current at ambient air temperatures > 23 °C see diagramm on page 204
Resistance to vibration	Frequency 10 ÷ 2000 Hz, cross-over frequency 60 Hz < 60 Hz constant amplitude of 1,5 mm (except MSF 125: 0,75 mm) > 60 Hz constant acceleration of 100 m/s² (10 g) according to IEC 60068-2-6, test Fc /
Resistance to shock	490 m/s² (50 g), 11 ms according to IEC 60068-2-27
Climate category	Types MSF 125, MXT 250: 25/085/21 MSF 250, MST 250, MSTU 250: 40/085/21 according to IEC 60068-1
Fuse-link temp. rise ≤ 75 K (UL/CSA)	Trackwidth for: I_n ≤ 4 A 2,5 mm I_n ≤ 5 A– 7 A 5,0 mm I_n ≤ 8 A–10 A 10 mm
Solderability	235 °C / 2 sec. according to IEC 60068-2-20, test Ta
Soldering heat resistance	260 °C / 10 sec. according to IEC 60068-2-20, test Tb
Materials Socket and cap	temperature resistant plastic, UL 94V-0
Terminals	Copper tin-plated

Packaging

- Boxes of 100 pieces
- Taped and reeled 750 pieces
  MSF 125, 1000 pieces
- Ammopack 1000 pieces on request

Tape and reel

according to IEC 60286-2