

FUSES

Non resettable fuses

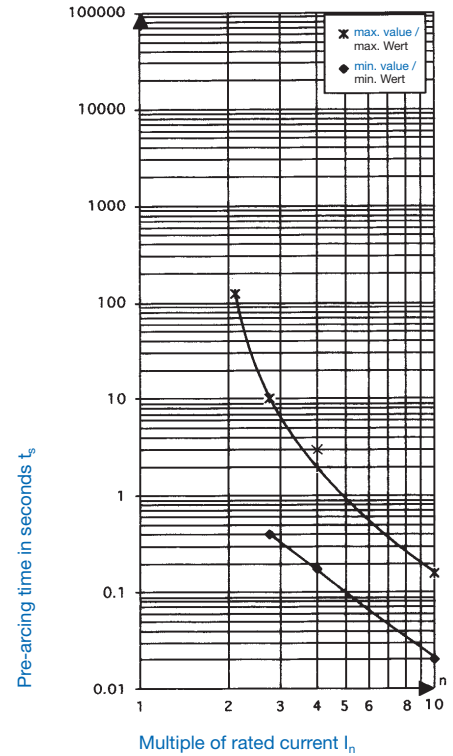
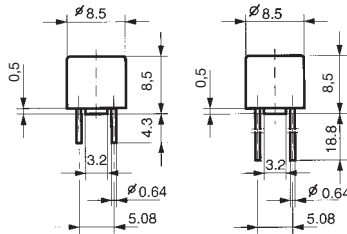
**Subminiature Fuses
Type MST 250**

time-lag T

low breaking capacity

available in lead-free **NEW** version

directly solderable into printed circuit boards or plugable into fuseholders



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

n · 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.	min.	max.
Rated current I _n / Nennstrom I _n										
50 mA – 6,3A	60 min	2 min	400 ms	10 s	150 ms	3 s	20 ms	150 ms	20 ms	150 ms

* Non fusing current I_{nf}

Standards

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

Approvals



Order No. /			Rated current I _n Rated voltage U _n	Breaking capacity	Voltage drop		Sustained power dissipation		Pre-arcing I ² t	Approvals			
Terminals		Taped and reeled			at max. I _n	typ. I _n	at max. 1,5 I _n	typ. 1,5 I _n		at 10 · I _n	SEV	VDE	SEMKO
short	long				IEC 60127 mV	typ. I _n mV	IEC 60127 mW	typ. 1,5 I _n mW	typ. I _n A ² s				
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 · 10 ⁻²	•	•	•	•
0034.6603	0034.6703	0034.6803	63 mA / 250 V		480	420	160	70	5 · 10 ⁻²	•	•	•	•
0034.6604	0034.6704	0034.6804	80 mA / 250 V		400	360	165	80	6 · 10 ⁻²	•	•	•	•
0034.6605	0034.6705	0034.6805	100 mA / 250 V		350	320	170	90	8 · 10 ⁻²	•	•	•	•
0034.6606	0034.6706	0034.6806	125 mA / 250 V		300	270	180	90	1,2 · 10 ⁻¹	•	•	•	•
0034.6607	0034.6707	0034.6807	160 mA / 250 V		280	190	190	80	2,4 · 10 ⁻¹	•	•	•	•
0034.6608	0034.6708	0034.6808	200 mA / 250 V		260	150	200	80	3,5 · 10 ⁻¹	•	•	•	•
0034.6609	0034.6709	0034.6809	250 mA / 250 V		240	120	220	80	6 · 10 ⁻¹	•	•	•	•
0034.6610	0034.6710	0034.6810	315 mA / 250 V		220	120	250	100	8 · 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		50	900	230	•	•	•	•	
0034.6623*	0034.6723*	0034.6823*	6,3 A / 250 V	45		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: $0,7 \cdot I_n$ Shift of the rated current at ambient air temperatures > 23 °C see diagramm on page 204 MSF / MST / MSTU / MXT 250: $1 \cdot I_n$
Resistance to vibration	Frequency $10 \div 2000$ 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/s ² (10 g) according to IEC 60068-2-6, test Fc /
Resistance to shock	490 m/s ² (50 g), 11 ms according to IEC 60068-2-27
Climate category	Types MSF 125, MXT 250, MSF 250, MST 250, MSTU 250 } 25/085/21 } according to IEC 60068-1 40/085/21 }
Fuse-link temp. rise ≤ 75 K (UL/CSA)	Trackwidth for: $I_n \leq 4$ A 2,5 mm $I_n \leq 5$ A- 7 A 5,0 mm $I_n \leq 8$ 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

