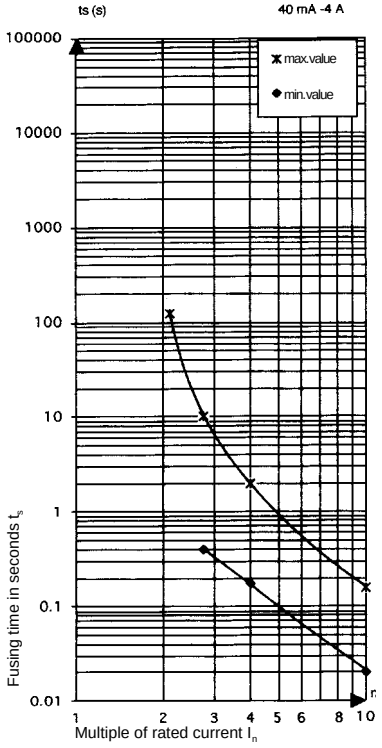
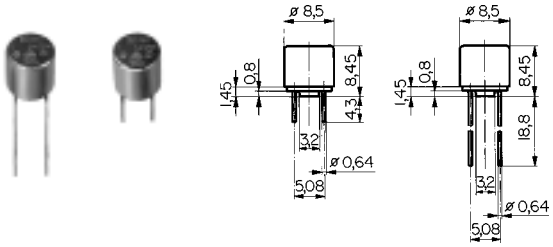
MST 250V Time-lag Microfuse – Low Breaking Capacity

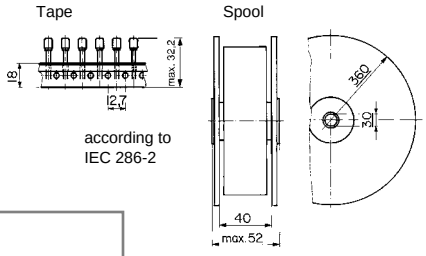
Built according to EN 60127, IEC 127-3/4, DIN/VDE 0820, SEMKO SS-428-05-22. UL , CSA approval tests according to manufacturer specifications.

Approvals:

UL	recognition	63mA – 6.3A	File #E41599
CSA	acceptance	63mA – 6.3A	File #LR51172
VDE	approval	63mA – 4A	File #71675
SEMKO	approval	63mA – 4A	File numbers on request
SEV	approval	63mA – 6.3A	







Time Current Characteristics

n • In / rated current In	2.1 • In	2.75 • In		4 • In		10 • In	
	max.	min.	max.	min.	max.	min.	max.
continuous	2 min.	400 ms	10 s	150 ms	3 s	20 ms	150 ms



Optional 250V microfuse holder, order number FMS 0031.7601. See page 86 for technical information.

Technical Data

Ambient temperature max. T_{amb}	-40˚C to +85˚C
Capacity at different T_{amb}	1 x I_n up to max. 40˚C 0.9 x I_n up to max. 85˚C
Vibration resistance	Frequency 10-2000 Hz, cross-over frequency 60 Hz < 60 Hz, constant amplitude 1.5mm > 60 Hz, constant acceleration at 100 m/s²(10g) acc. to IEC 68-2-6 / Fc
Shock resistance	50 g, 11 ms (IEC 68-2-27)
Climatic category	HPF according to DIN 40040
Solderability	235˚C / 2s according to IEC 68-2-20 / Ta (DIN 40046)
Soldering heat resistance	260˚C / 10s according to IEC 68-2-20 / Tb (DIN 40046)
Materials	Socket and cap made of temperature resistant plastic (UL 94 V-0)
Terminals	Copper, tin-plated

Order Numbers Series MST			Rated current / rated voltage	Breaking capacity	Voltage drop at In		Power dissipation at 1.5 • In		Fusing I^2t t < 10ms	Approvals				
Short leads black	Long leads black	Taped/reeled long leads black	mA / A / V ~	A ~	max. IEC 127 mV	typical Schurter mV	max. IEC 127 Watts	typical Schurter Watts	A^2s	UL	CSA	VDE	SEMKO	SEV
0034.6603	0034.6703	0034.6803	63 mA / 250V		480	420	0.17	0.07	0.050	•	•	•	•	•
0034.6604	0034.6704	0034.6804	80 mA / 250V		400	360	0.17	0.08	0.064	•	•	•	•	•
0034.6605	0034.6705	0034.6805	100 mA / 250V		350	320	0.17	0.09	0.081	•	•	•	•	•
0034.6606	0034.6706	0034.6806	125 mA / 250V	35 A or	300	270	0.18	0.09	0.120	•	•	•	•	•
0034.6607	0034.6707	0034.6807	160 mA / 250V	10 • In /	280	190	0.19	0.08	0.241	•	•	•	•	•
0034.6608	0034.6708	0034.6808	200 mA / 250V	250V AC	260	150	0.20	0.08	0.340	•	•	•	•	•
0034.6609	0034.6709	0034.6809	250 mA / 250V	(p.f. = 1)	240	120	0.22	0.08	0.600	•	•	•	•	•
0034.6610	0034.6710	0034.6810	315 mA / 250V	acc. to	220	120	0.25	0.01	0.754	•	•	•	•	•
0034.6611	0034.6711	0034.6811	400 mA / 250V	IEC	200	110	0.28	0.1	1.088	•	•	•	•	•
0034.6612	0034.6712	0034.6812	500 mA / 250V	127-3/4	190	100	0.31	0.1	2.575	•	•	•	•	•
0034.6613	0034.6713	0034.6813	630 mA / 250V		180	90	0.36	0.1	4.247	•	•	•	•	•
0034.6614	0034.6714	0034.6814	800 mA / 250V		160	80	0.43	0.2	8.064	•	•	•	•	•
0034.6615	0034.6715	0034.6815	1 A / 250V		140	70	0.5	0.2	11.900	•	•	•	•	•
0034.6616	0034.6716	0034.6816	1.25 A / 250V		130	70	0.6	0.3	15.781	•	•	•	•	•
0034.6617	0034.6717	0034.6817	1.6 A / 250V		120	60	0.73	0.3	29.440	•	•	•	•	•
0034.6618	0034.6718	0034.6818	2 A / 250V		100	60	0.87	0.3	33.600	•	•	•	•	•
0034.6619	0034.6719	0034.6819	2.5 A / 250V		100	50	1.0	0.4	55.000	•	•	•	•	•
0034.6620	0034.6720	0034.6820	3.15 A / 250V		100	50	1.2	0.5	76.403	•	•	•	•	•
0034.6621	0034.6721	0034.6821	4 A / 250V		100	50	1.4	0.5	140.00	•	•	•	•	•
0034.6622*	0034.6722*	0034.6822 *	5 A / 250V		60			0.7	230.00	•	•			•
0034.6623*	0034.6723*	0034.6823 *	6.3 A / 250V		50			0.95	266.00	•	•			•

* Built according to manufacturer's specifications. Not mentioned in IEC standards.
Taped and reeled fuses in 750 piece quantities.