

Subminiature Fuse, 8.5 mm, Time-Lag T, 250 VAC, 63 VDC



IEC 60127-3 · 250 VAC · Time-Lag T



Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

Standards

- IEC 60127-3/4
- UL 248-14
- CSA C22.2 no. 248.14
- Telcordia GR-1089
- UL 60950 / IEC 60950
- ITU-T K.20 and K.21
- TIA-968-A

Approvals

- VDE Certificate Number: 40002080
- UL File Number: E41599
- CSA File Number: 51172

Applications

- Primary Protection on PCB
- Power Supply Adapter for e.g. laptops
- SMPS (Switching Mode Power Supply) for TV's and DVD's

References

Packaging Details

Corresponding Fuseholder [FMS \(250V\)](#)

Fuse Kit [Fuse Kit MST250 / MSF 250](#)

Weblinks

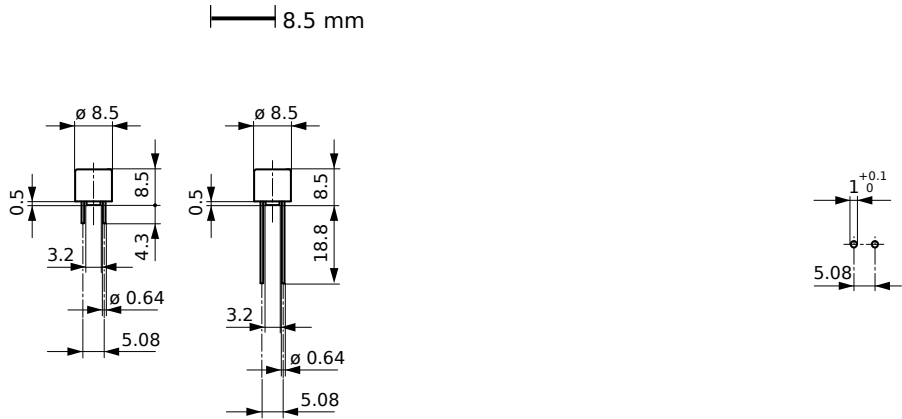
[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	250 VAC, 63 VDC	Soldering Methods	Wave, Iron
Rated current	0.05 - 6.3 A		Soldering Profile
Breaking Capacity	35 A - 63 A	Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta
Characteristic	Time-Lag T	Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb
Mounting	PCB,THT	Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
Admissible Ambient Air Temperature	-55 °C to 125 °C	Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Climatic Category	55/125/21 acc. to IEC 60068-1	Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1)
Material: Housing	Thermoplastic, UL 94V-0	Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)
Material: Terminals	Tin-Plated Copper	Mechanical Shock	MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)
Unit Weight	0.53 g	Vibration, High Frequency	Shock 20 gn, 20 min, 10-2 kHz, 12 cyc. (acc. to EIA/IS-722, Test 4.10)
Storage Conditions	0 °C to 40 °C, max. 70% r.h.	Resistance to Solvents	MIL-STD-202, Method 215A
Product Marking	Type, Rated current, Rated Voltage, Characteristic, Approvals	Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension

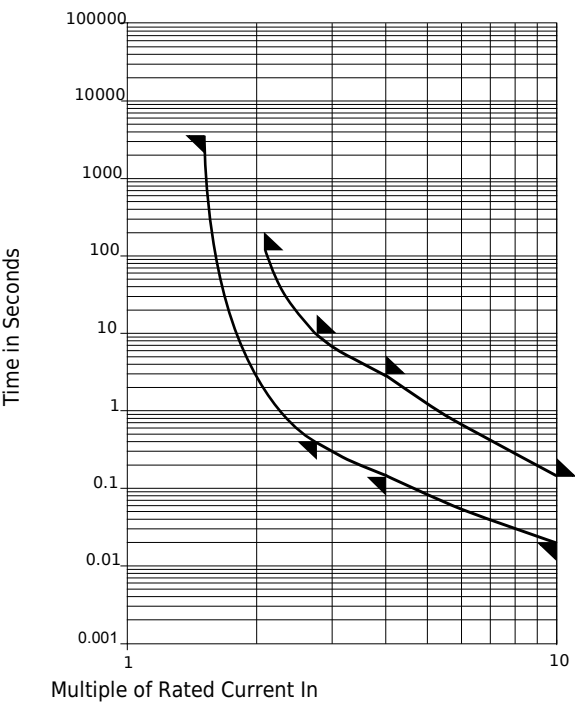


Drilling diagram

Pre-Arcing Time

Rated Current In	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4.0 x In min.	4.0 x In max.	10.0 x In min.	10.0 x In max.
0.05 A - 6.3 A	60 min	120 s	400 ms	10 s	150 ms	3 s	20 ms	150 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.5 In max. [mW]	Melting I²t 10.0 Intyp. [A²s]								S	L	T	Order Number
0.05	250	1)	550	415	155	0.03											0034.6602
0.063	250	1)	480	420	160	0.05											0034.6603
0.08	250	1)	400	360	165	0.06											0034.6604
0.1	250	1)	350	320	170	0.08											0034.6605
0.125	250	1)	300	270	180	0.12											0034.6606
0.16	250	1)	280	190	190	0.24											0034.6607

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.5 I _n max. [mW]	Melting I _t 10.0 Intyp. [A ² s]						S	L	T	Order Number
0.2	250	1)	260	150	200	0.35									0034.6608
0.25	250	1)	240	120	220	0.6									0034.6609
0.315	250	1)	220	120	250	0.8									0034.6610
0.4	250	1)	200	110	280	1.1									0034.6611
0.5	250	1)	190	100	310	2.5									0034.6612
0.63	250	1)	180	90	360	4									0034.6613
0.8	250	1)	160	80	430	8									0034.6614
1	250	1)	140	70	500	12									0034.6615
1.25	250	1)	130	70	600	15									0034.6616
1.6	250	1)	120	60	730	30									0034.6617
2	250	1)	100	60	870	34									0034.6618
2.5	250	1)	100	50	1000	55									0034.6619
3.15	250	1)	100	50	1200	76									0034.6620
4	250	2)	100	50	1400	80									0034.6621
5	250	3)	-	50	-	230									0034.6622
6.3	250	3)	-	45	-	360									0034.6623
0.05	250	1)	550	415	155	0.03									0034.6702
0.063	250	1)	480	420	160	0.05									0034.6703
0.08	250	1)	400	360	165	0.06									0034.6704
0.1	250	1)	350	320	170	0.08									0034.6705
0.125	250	1)	300	270	180	0.12									0034.6706
0.16	250	1)	280	190	190	0.24									0034.6707
0.2	250	1)	260	150	200	0.35									0034.6708
0.25	250	1)	240	120	220	0.6									0034.6709
0.315	250	1)	220	120	250	0.8									0034.6710
0.4	250	1)	200	110	280	1.1									0034.6711
0.5	250	1)	190	100	310	2.5									0034.6712
0.63	250	1)	180	90	360	4									0034.6713
0.8	250	1)	160	80	430	8									0034.6714
1	250	1)	140	70	500	12									0034.6715
1.25	250	1)	130	70	600	15									0034.6716
1.6	250	1)	120	60	730	30									0034.6717
2	250	1)	100	60	870	34									0034.6718
2.5	250	1)	100	50	1000	55									0034.6719
3.15	250	1)	100	50	1200	76									0034.6720
4	250	2)	100	50	1400	80									0034.6721
5	250	3)	-	50	-	230									0034.6722
6.3	250	3)	-	45	-	360									0034.6723
0.05	250	1)	550	415	155	0.03									0034.6802
0.063	250	1)	480	420	160	0.05									0034.6803
0.08	250	1)	400	360	165	0.06									0034.6804
0.1	250	1)	350	320	170	0.08									0034.6805
0.125	250	1)	300	270	180	0.12									0034.6806
0.16	250	1)	280	190	190	0.24									0034.6807
0.2	250	1)	260	150	200	0.35									0034.6808
0.25	250	1)	240	120	220	0.6									0034.6809
0.315	250	1)	220	120	250	0.8									0034.6810
0.4	250	1)	200	110	280	1.1									0034.6811
0.5	250	1)	190	100	310	2.5									0034.6812
0.63	250	1)	180	90	360	4									0034.6813
0.8	250	1)	160	80	430	8									0034.6814
1	250	1)	140	70	500	12									0034.6815
1.25	250	1)	130	70	600	15									0034.6816

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2	250	1)	100	60	870	34											0034.6818
2.5	250	1)	100	50	1000	55											0034.6819
3.15	250	1)	100	50	1200	76											0034.6820
4	250	2)	100	50	1400	80											0034.6821
5	250	3)	-	50	-	230											0034.6822
6.3	250	3)	-	45	-	360											0034.6823

 Most Popular.

Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

- 1) IEC: 35 A @ 250 VAC
- 1) UL: 35 A @ 250 VAC / 50 A @ 63 VDC
- 2) IEC: 10 In @ 250 VAC
- 2) UL: 10 In @ 250 VAC / 50 A @ 63 VDC
- 3) IEC: 10 In @ 250 VAC
- 3) UL: 10 In @ 250 VAC / 10 In @ 63 VDC

Packaging Unit	S =	Plastic Bag (100 pcs.)
	L =	Bulk (100 pcs.)
	T =	Taped 36 cm Reel (750 pcs.)