

Subminiature Fuse, 8.5 x 8.5 mm



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

Approvals

- VDE License Number: 40013529 (0.05 A - 4 A), 40002080 (5 A + 6.3 A)
- UL File Number: E41599

Applications

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

References

[General Product Information](#)

Time-Current Curves see last page

[Packaging Details](#)

Weblinks

Approvals: <http://www.schurter.com/approvals>

RoHS: <http://www.schurter.com/rohs>

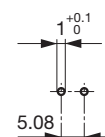
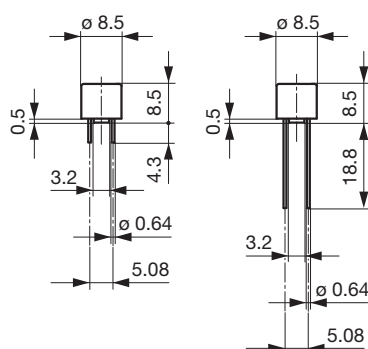
Technical Data

Rated Voltage	250 VAC
Rated Current	0.05 - 6.3 A
Breaking Capacity	35 A - 63 A
Characteristic	Time-Lag T
Mounting	PCB,THT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.53 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Type, Current Rating, Voltage Rating, Characteristic, Approvals

Soldering Methods	Wave, Iron
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50gn, half sine wave, 11 ms)
Vibration, High Frequency	MIL-STD-202, Method 204D (Shock 20 gn, 20 min, 10-2 kHz, 12 cyc.)
Resistance to Solvents	MIL-STD-202, Method 215A

Dimensions

Length 8.5 mm



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

Variants

S = Short Terminals

L = Long Terminals

T = Taped and Reeled

Order Number	S	L	T	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 I _{pt} 10.0 In typ [A ² s]							
0034.6602	●			0.05	250	1)	550	415	155	0.03	●		●		●		●
0034.6603	●			0.063	250	1)	480	420	160	0.05	●		●		●		●
0034.6604	●			0.08	250	1)	400	360	165	0.06	●		●		●		●
0034.6605	●			0.1	250	1)	350	320	170	0.08	●		●		●		●
0034.6606	●			0.125	250	1)	300	270	180	0.12	●		●		●		●
0034.6607	●			0.16	250	1)	280	190	190	0.24	●		●		●		●
0034.6608	●			0.2	250	1)	260	150	200	0.35	●		●		●		●
0034.6609	●			0.25	250	1)	240	120	220	0.6	●		●		●		●
0034.6610	●			0.315	250	1)	220	120	250	0.8	●		●		●		●
0034.6611	●			0.4	250	1)	200	110	280	1.1	●		●		●		●
0034.6612	●			0.5	250	1)	190	100	310	2.5	●		●		●		●
0034.6613	●			0.63	250	1)	180	90	360	4	●		●		●		●
0034.6614	●			0.8	250	1)	160	80	430	8	●		●		●		●
0034.6615	●			1	250	1)	140	70	500	12	●		●	●	●		●
0034.6616	●			1.25	250	1)	130	70	600	15	●		●	●	●		●
0034.6617	●			1.6	250	1)	120	60	730	30	●		●	●	●		●
0034.6618	●			2	250	1)	100	60	870	34	●		●	●	●		●
0034.6619	●			2.5	250	1)	100	50	1000	55	●		●	●	●		●
0034.6620	●			3.15	250	1)	100	50	1200	76	●		●	●	●		●
0034.6621	●			4	250	2)	100	50	1400	80	●		●	●	●		●
0034.6622	●			5	250	2)		50		230		●	●			●	●
0034.6623	●			6.3	250	2)		45		360		●	●			●	●
0034.6702		●		0.05	250	1)	550	415	155	0.03	●		●		●		●
0034.6703		●		0.063	250	1)	480	420	160	0.05	●		●		●		●
0034.6704		●		0.08	250	1)	400	360	165	0.06	●		●		●		●
0034.6705		●		0.1	250	1)	350	320	170	0.08	●		●		●		●
0034.6706		●		0.125	250	1)	300	270	180	0.12	●		●		●		●
0034.6707		●		0.16	250	1)	280	190	190	0.24	●		●		●		●
0034.6708		●		0.2	250	1)	260	150	200	0.35	●		●		●		●
0034.6709		●		0.25	250	1)	240	120	220	0.6	●		●		●		●
0034.6710		●		0.315	250	1)	220	120	250	0.8	●		●		●		●
0034.6711		●		0.4	250	1)	200	110	280	1.1	●		●		●		●
0034.6712		●		0.5	250	1)	190	100	310	2.5	●		●		●		●
0034.6713		●		0.63	250	1)	180	90	360	4	●		●		●		●
0034.6714		●		0.8	250	1)	160	80	430	8	●		●		●		●
0034.6715		●		1	250	1)	140	70	500	12	●		●	●	●		●
0034.6716		●		1.25	250	1)	130	70	600	15	●		●	●	●		●
0034.6717		●		1.6	250	1)	120	60	730	30	●		●	●	●		●
0034.6718		●		2	250	1)	100	60	870	34	●		●	●	●		●
0034.6719		●		2.5	250	1)	100	50	1000	55	●		●	●	●		●
0034.6720		●		3.15	250	1)	100	50	1200	76	●		●	●	●		●
0034.6721		●		4	250	2)	100	50	1400	80	●		●	●	●		●
0034.6722		●		5	250	2)		50		230		●	●			●	●
0034.6723		●		6.3	250	2)		45		360		●	●			●	●
0034.6802			●	0.05	250	1)	550	415	155	0.03	●		●		●		●
0034.6803			●	0.063	250	1)	480	420	160	0.05	●		●		●		●

Order Number	S	L	T	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 I ² t 10.0 In typ [A ² s]							
0034.6804			●	0.08	250	1)	400	360	165	0.06	●		●		●		●
0034.6805			●	0.1	250	1)	350	320	170	0.08	●		●		●		●
0034.6806			●	0.125	250	1)	300	270	180	0.12	●		●		●		●
0034.6807			●	0.16	250	1)	280	190	190	0.24	●		●		●		●
0034.6808			●	0.2	250	1)	260	150	200	0.35	●		●		●		●
0034.6809			●	0.25	250	1)	240	120	220	0.6	●		●		●		●
0034.6810			●	0.315	250	1)	220	120	250	0.8	●		●		●		●
0034.6811			●	0.4	250	1)	200	110	280	1.1	●		●		●		●
0034.6812			●	0.5	250	1)	190	100	310	2.5	●		●		●		●
0034.6813			●	0.63	250	1)	180	90	360	4	●		●		●		●
0034.6814			●	0.8	250	1)	160	80	430	8	●		●		●		●
0034.6815			●	1	250	1)	140	70	500	12	●		●	●	●		●
0034.6816			●	1.25	250	1)	130	70	600	15	●		●	●	●		●
0034.6817			●	1.6	250	1)	120	60	730	30	●		●	●	●		●
0034.6818			●	2	250	1)	100	60	870	34	●		●	●	●		●
0034.6819			●	2.5	250	1)	100	50	1000	55	●		●	●	●		●
0034.6820			●	3.15	250	1)	100	50	1200	76	●		●	●	●		●
0034.6821			●	4	250	2)	100	50	1400	80	●		●	●	●		●
0034.6822			●	5	250	2)		50		230		●	●			●	●
0034.6823			●	6.3	250	2)		45		360		●	●			●	●

1) IEC: 35 A @ 250 VAC

1) UL: 35 A @ 250 VAC / 50 A @ 125 VDC

2) IEC: 10 In @ 250 VAC

2) UL: 10 In @ 250 VAC / 10 In @ 125 VDC

Packaging Unit

S + L = Plastic Bag (100 pcs.)

T = Taped 36 cm Reel (750 pcs.)

MST 250

