

Subminiature Fuse, 8.5 x 8.5 mm



IEC 60127-3 · 250 VAC · Quick-Acting F



Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

Standards

- IEC 60127-3/3
- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- VDE License Number: 101035
- UL File Number: E41599

References

[General Product Information](#)

Time-Current Curves see last page

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

Fuse Kit [Microfuses](#)


[Packaging Details](#)

Weblinks





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

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

Technical Data

Rated Voltage	250 VAC
Rated Current	0.04 - 5 A
Breaking Capacity	35 A
Characteristic	Quick-Acting F
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	0.5 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
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
Life Test	MIL-STD-202, Method 108A (1000h @ 0.42*In @ 70°C)
Load Humidity Test	MIL-STD-202, Method 103B (1000h @ 0.1*In @ 0.85 r.H. @ 85°C)
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)
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C)
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)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

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 Pt 10.0 In typ [A ² s]				
0034.6038	●			0.25	250	1)	440	360	290	0.058	●	●	●	
0034.6039	●			0.315	250	1)	400	345	330	0.104	●	●	●	
0034.6040	●			0.4	250	1)	370	80	390	0.044	●	●	●	
0034.6041	●			0.5	250	1)	350	75	460	0.09	●	●	●	
0034.6042	●			0.63	250	1)	320	70	530	0.15	●	●	●	
0034.6043	●			0.8	250	1)	300	70	630	0.22	●	●	●	
0034.6044	●			1	250	1)	280	70	740	0.33	●	●	●	
0034.6045	●			1.25	250	1)	280	65	920	0.68	●	●	●	
0034.6046	●			1.6	250	1)	250	70	1000	0.94	●	●	●	
0034.6047	●			2	250	1)	240	70	1360	1.3	●	●	●	
0034.6048	●			2.5	250	1)	200	65	1310	1.9	●	●	●	
0034.6049	●			3.15	250	1)	180	65	1490	5.4	●	●	●	
0034.6050	●			4	250	2)	160	60	1680	7.9		●		●
0034.6051	●			5	250	2)	150	60	1970	11.2		●		●
0034.6060		●		0.04	250	1)		400		0.00016		●		●
0034.6061		●		0.05	250	1)	850	460	110	0.0004	●	●	●	
0034.6062		●		0.063	250	1)	750	330	120	0.001	●	●	●	
0034.6063		●		0.08	250	1)	650	280	140	0.001	●	●	●	
0034.6064		●		0.1	250	1)	600	300	160	0.002	●	●	●	
0034.6065		●		0.125	250	1)	550	210	180	0.006	●	●	●	
0034.6066		●		0.16	250	1)	500	460	210	0.014	●	●	●	
0034.6067		●		0.2	250	1)	480	470	250	0.024	●	●	●	
0034.6068		●		0.25	250	1)	440	360	290	0.058	●	●	●	
0034.6069		●		0.315	250	1)	400	345	330	0.104	●	●	●	
0034.6070		●		0.4	250	1)	370	80	390	0.044	●	●	●	
0034.6071		●		0.5	250	1)	350	75	460	0.09	●	●	●	
0034.6072		●		0.63	250	1)	320	70	530	0.15	●	●	●	
0034.6073		●		0.8	250	1)	300	70	630	0.22	●	●	●	
0034.6074		●		1	250	1)	280	70	740	0.33	●	●	●	
0034.6075		●		1.25	250	1)	280	65	920	0.68	●	●	●	
0034.6076		●		1.6	250	1)	250	70	1000	0.94	●	●	●	
0034.6077		●		2	250	1)	240	70	1360	1.3	●	●	●	
0034.6078		●		2.5	250	1)	200	65	1310	1.9	●	●	●	
0034.6079		●		3.15	250	1)	180	65	1490	5.4	●	●	●	
0034.6080		●		4	250	2)	160	60	1680	7.9		●		●
0034.6081		●		5	250	2)	150	60	1970	11.2		●		●

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

Packaging Unit

S + L = Plastic Bag (100 pcs.)

T = Taped 36 cm Reel (750 pcs.)

MSF 250

