Subminiature Fuse, 8.5 mm, Quick-Acting F, 250 VAC





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 Certificate Number: 101035
- UL File Number: E41599
- CSA File Number: 51172

References
Packaging Details
Corresponding Fuseholder FMS (250V)
Fuse Kit Fuse Kit MST250 / MSF 250

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

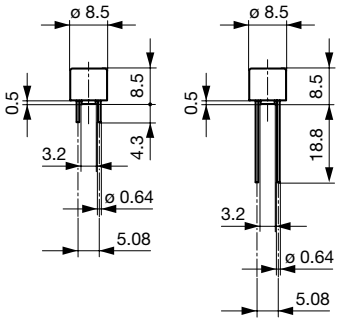
Technical Data

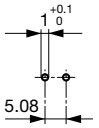
Rated Voltage	250 VAC
Rated current	0.04 - 5 A
Breaking Capacity	35 A
Characteristic	Quick-Acting F
Mounting	PCB,THT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.5 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Rated voltage, Characteristic, Approvals

Soldering Methods	Wave, Iron
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb
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	1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1)
Load Humidity Test	0.1 x In @ 0.85 r.H. @ 85°C (acc. to EIA/IS-722, Test 4.4.2)
Moisture Resistance Test	(acc. to EIA/IS-722, Test 4.4.3)
Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1)
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C)
Case Resistance	>100 MΩ (between leeds and body) acc. to EIA/IS-722, Test 4.7
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)

Dimension

8.5 mm



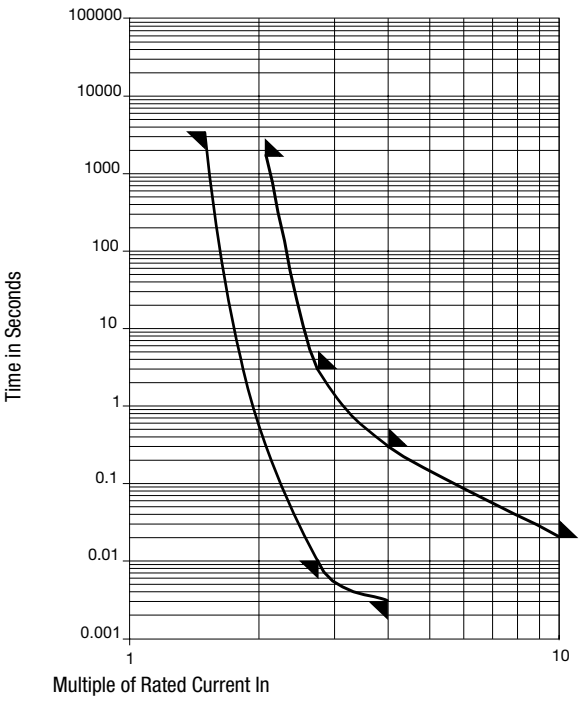


Drilling diagram

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 max.
0.04 A - 5 A	60 min	30 min	10 ms	3 s	3 ms	300 ms	20 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 I_n max. [mW]	Melting I^2t 10.0 Intyp. [A^2s]	VDE	cULus	CCC	S	L	T	Order Number
0.04	250	1)	-	400	-	0.00016		●		●			0034.6000
0.05	250	1)	850	460	110	0.0004	●	●	●	●			0034.6001
0.063	250	1)	750	330	120	0.001	●	●	●	●			0034.6002
0.08	250	1)	650	280	140	0.001	●	●	●	●			0034.6003
0.1	250	1)	600	300	160	0.002	●	●	●	●			0034.6004
0.125	250	1)	550	210	180	0.006	●	●	●	●			0034.6005
0.16	250	1)	500	460	210	0.014	●	●	●	●			0034.6006
0.2	250	1)	480	470	250	0.024	●	●	●	●			0034.6007
0.25	250	1)	440	360	290	0.058	●	●	●	●			0034.6008
0.315	250	1)	400	345	330	0.104	●	●	●	●			0034.6009
0.4	250	1)	370	80	390	0.044	●	●	●	●			0034.6010
0.5	250	1)	350	75	460	0.09	●	●	●	●			0034.6011
0.63	250	1)	320	70	530	0.15	●	●	●	●			0034.6012
0.8	250	1)	300	70	630	0.22	●	●	●	●			0034.6013
1	250	1)	280	70	740	0.33	●	●	●	●			0034.6014
1.25	250	1)	280	65	920	0.68	●	●	●	●			0034.6015
1.6	250	1)	250	70	1000	0.94	●	●	●	●			0034.6016
2	250	1)	240	70	1360	1.3	●	●	●	●			0034.6017
2.5	250	1)	200	65	1310	1.9	●	●	●	●			0034.6018
3.15	250	1)	180	65	1490	5.4	●	●	●	●			0034.6019
4	250	2)	160	60	1680	7.9		●		●			0034.6020
5	250	2)	150	60	1970	11.2		●		●			0034.6021
0.04	250	1)	-	400	-	0.00016		●			●		0034.6030
0.05	250	1)	850	460	110	0.0004	●	●	●		●		0034.6031
0.063	250	1)	750	330	120	0.001	●	●	●		●		0034.6032
0.08	250	1)	650	280	140	0.001	●	●	●		●		0034.6033
0.1	250	1)	600	300	160	0.002	●	●	●		●		0034.6034
0.125	250	1)	550	210	180	0.006	●	●	●		●		0034.6035
0.16	250	1)	500	460	210	0.014	●	●	●		●		0034.6036
0.2	250	1)	480	470	250	0.024	●	●	●		●		0034.6037
0.25	250	1)	440	360	290	0.058	●	●	●		●		0034.6038
0.315	250	1)	400	345	330	0.104	●	●	●		●		0034.6039
0.4	250	1)	370	80	390	0.044	●	●	●		●		0034.6040
0.5	250	1)	350	75	460	0.09	●	●	●		●		0034.6041
0.63	250	1)	320	70	530	0.15	●	●	●		●		0034.6042
0.8	250	1)	300	70	630	0.22	●	●	●		●		0034.6043
1	250	1)	280	70	740	0.33	●	●	●		●		0034.6044
1.25	250	1)	280	65	920	0.68	●	●	●		●		0034.6045
1.6	250	1)	250	70	1000	0.94	●	●	●		●		0034.6046
2	250	1)	240	70	1360	1.3	●	●	●		●		0034.6047
2.5	250	1)	200	65	1310	1.9	●	●	●		●		0034.6048
3.15	250	1)	180	65	1490	5.4	●	●	●		●		0034.6049
4	250	2)	160	60	1680	7.9		●			●		0034.6050
5	250	2)	150	60	1970	11.2		●			●		0034.6051
0.04	250	1)	-	400	-	0.00016		●				●	0034.6060
0.05	250	1)	850	460	110	0.0004	●	●	●			●	0034.6061
0.063	250	1)	750	330	120	0.001	●	●	●			●	0034.6062
0.08	250	1)	650	280	140	0.001	●	●	●			●	0034.6063
0.1	250	1)	600	300	160	0.002	●	●	●			●	0034.6064
0.125	250	1)	550	210	180	0.006	●	●	●			●	0034.6065
0.16	250	1)	500	460	210	0.014	●	●	●			●	0034.6066
0.2	250	1)	480	470	250	0.024	●	●	●			●	0034.6067
0.25	250	1)	440	360	290	0.058	●	●	●			●	0034.6068

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^2t 10.0 Intyp. [A^2s]				S	L	T	Order Number
0.315	250	1)	400	345	330	0.104	●	●	●			●	0034.6069
0.4	250	1)	370	80	390	0.044	●	●	●			●	0034.6070
0.63	250	1)	320	70	530	0.15	●	●	●			●	0034.6072
0.8	250	1)	300	70	630	0.22	●	●	●			●	0034.6073
1	250	1)	280	70	740	0.33	●	●	●			●	0034.6074
1.25	250	1)	280	65	920	0.68	●	●	●			●	0034.6075
1.6	250	1)	250	70	1000	0.94	●	●	●			●	0034.6076
2	250	1)	240	70	1360	1.3	●	●	●			●	0034.6077
2.5	250	1)	200	65	1310	1.9	●	●	●			●	0034.6078
3.15	250	1)	180	65	1490	5.4	●	●	●			●	0034.6079
4	250	2)	160	60	1680	7.9		●				●	0034.6080
5	250	2)	150	60	1970	11.2		●				●	0034.6081

Most Popular.

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

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

Packaging Unit

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

01.06.2015

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.

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