

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



Subminiature fuse 8.5 mm, quick-acting
F, 250 VAC
Short terminal



Subminiature fuse 8.5 mm, quick-acting
F, 250 VAC
Terminal long
PCB Mounting

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

See below:

Approvals and Compliances

Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

References

[Packaging Details](#)

Corresponding Fuseholder

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

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Packaging details](#), [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, Certification marks

Soldering Methods	Wave Soldering Profile
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
Case Resistance	>100 MΩ (between leads and body) acc. to EIA/IS-722, Test 4.7
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125 °C)
Operational Life	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)
Mechanical Shock	MIL-STD-202, Method 213 Condition A
Resistance to Solvents	MIL-STD-202, Method 215
Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1)

Approvals and Compliances

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

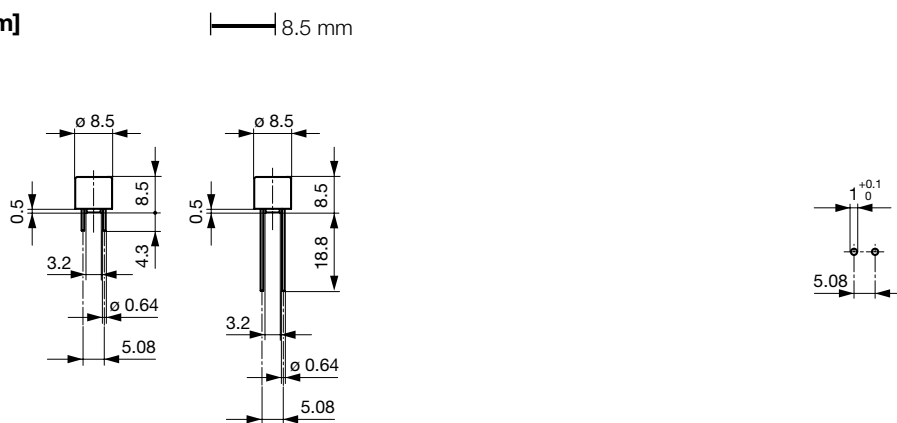
The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: MSF 250

Product standards that are referenced

Application standards where the product can be used

The product complies with following Guide Lines

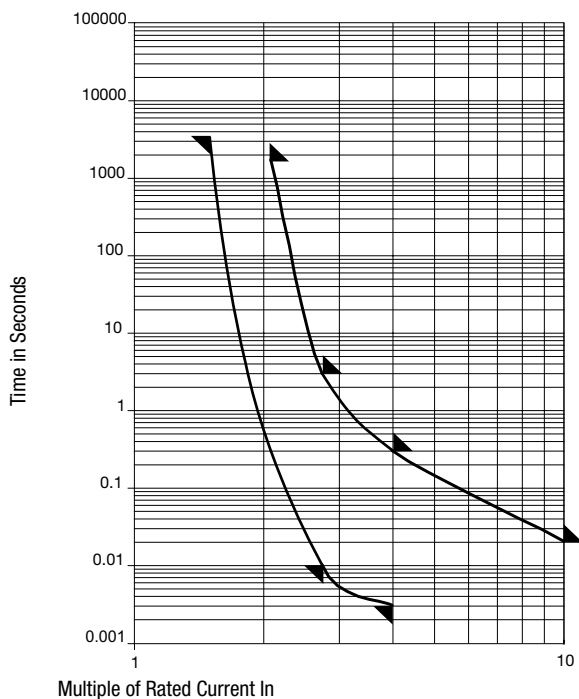
Dimension [mm]  8.5 mm



Drilling diagram

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 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n max. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]				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

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n max. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]				S	L	T	Order Number
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
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

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

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

Packaging Unit

S = 4.3 mm
L = 18.8 mm
T = 18.8 mm

Plastic Bag (100 pcs.)
Bulk (100 pcs.)
Taped 36 cm Reel (750 pcs.)