Subminiature Fuse, 8.5 mm, Time-Lag T, 250 VAC, 100 A





IEC 60127-3 · 250 VAC · Time-Lag T

Description
- Directly solderable on printed circuit boards
- High breaking capacity

Standards
- IEC 60127-3/4
- UL 248-14
- CSA C22.2 no. 248.14

Approvals
- VDE Certificate Number: 40008838
- 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)

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

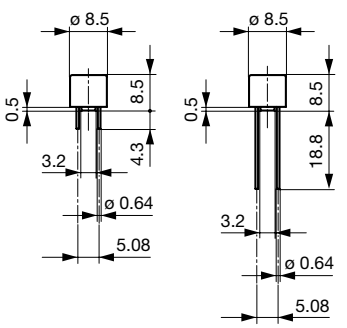
Technical Data

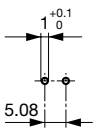
Rated Voltage	250 VAC
Rated current	0.8 - 10 A
Breaking Capacity	100 A
Characteristic	Time-Lag T
Mounting	PCB,THT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.78 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
Life Test	1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1)
Load Humidity Test	MIL-STD-202, Method 103B 0.1 x In @ 0.85 r.H. @ 85°C
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.5)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leeds and body)
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



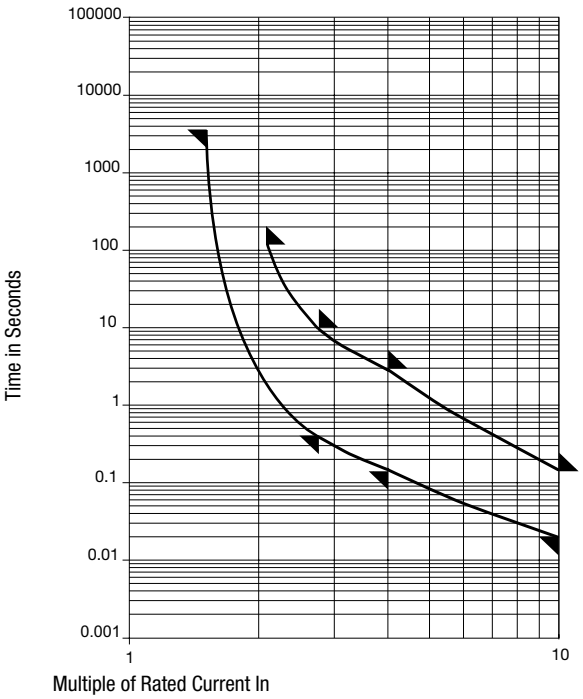


Drilling diagram

Pre-Arcing Time

Rated Current In	1.0 x In min.	1.5 x In min.	2.0 x In max.	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.
0.8 A - 6.3 A	-	60 min	-	120 s	400 ms	10 s	150 ms	3 s	20 ms	150 ms
8 A - 10 A	4 h	-	60 s	-	-	-	-	-	-	-

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]	S	L	T	Order Number
0.8	250	1)	160	128	430	1.5	●		●	0034.6914
1	250	1)	140	130	500	4.4	●		●	0034.6915
1.25	250	1)	130	120	600	6.3	●		●	0034.6916
1.6	250	1)	120	110	730	10	●		●	0034.6917
2	250	1)	100	85	870	16	●		●	0034.6918
2.5	250	1)	100	85	1000	32	●		●	0034.6919
3.15	250	1)	100	75	1200	57	●		●	0034.6920
4	250	1)	100	75	1400	77	●		●	0034.6921
5	250	1)	-	70	-	155			●	0034.6922
6.3	250	1)	-	60	-	262			●	0034.6923
8	250	1)	-	62	-	397			●	0034.6924
10	250	1)	-	62	-	440			●	0034.6925
0.8	250	1)	160	128	430	1.5	●	●		0034.6944
1	250	1)	140	130	500	4.4	●	●		0034.6945
1.25	250	1)	130	120	600	6.3	●	●		0034.6946
1.6	250	1)	120	110	730	10	●	●		0034.6947
2	250	1)	100	85	870	16	●	●		0034.6948
2.5	250	1)	100	85	1000	32	●	●		0034.6949
3.15	250	1)	100	75	1200	57	●	●		0034.6950
4	250	1)	100	75	1400	77	●	●		0034.6951

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
5	250	1)	-	70	-	155		●		0034.6952
6.3	250	1)	-	60	-	262		●		0034.6953
8	250	1)	-	62	-	397		●		0034.6954
10	250	1)	-	62	-	440		●		0034.6955
0.8	250	1)	160	128	430	1.5			●	0034.6974
1	250	1)	140	130	500	4.4			●	0034.6975
1.25	250	1)	130	120	600	6.3			●	0034.6976
1.6	250	1)	120	110	730	10			●	0034.6977
2	250	1)	100	85	870	16			●	0034.6978
2.5	250	1)	100	85	1000	32			●	0034.6979
3.15	250	1)	100	75	1200	57			●	0034.6980
4	250	1)	100	75	1400	77			●	0034.6981
5	250	1)	-	70	-	155			●	0034.6982
6.3	250	1)	-	60	-	262			●	0034.6983
8	250	2)	-	62	-	397			●	0034.6984
10	250	2)	-	62	-	440			●	0034.6985

Most Popular.

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

1) 100 A @ 250 VAC, cos φ = 1.0

2) 100 A @ 250 VAC, cos φ = 0.95 - 1.0

Packaging Unit

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

26.03.2015

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.