

Subminiature Fuse, 8.5 mm, Time-Lag T, 250 VAC, cULus



UL 248-14 · 250VAC · Time-Lag T



Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

Standards

- UL 248-14
- CSA C22.2 no. 248.14

Approvals

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

References


[Packaging Details](#)

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

Weblinks

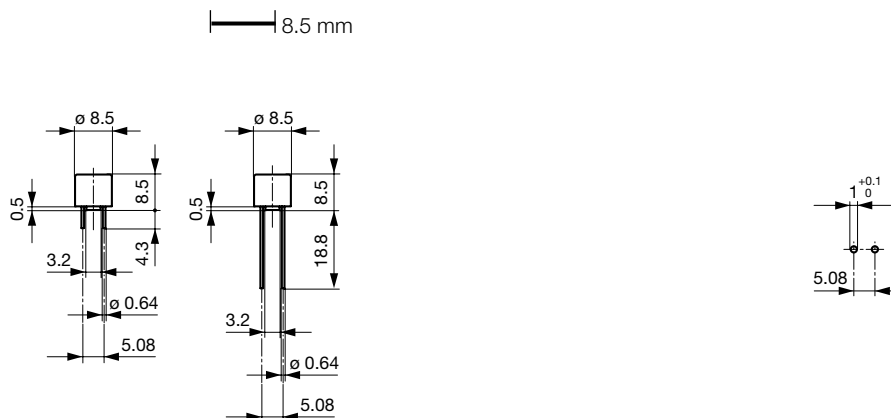
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	250VAC
Rated current	0.063 - 10A
Breaking Capacity	50A
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 40 °C, max. 70% r.h.
Product Marking	 Type, 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
Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
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	(acc. to EIA/IS-722, Test 4.9)
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
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)

Dimension



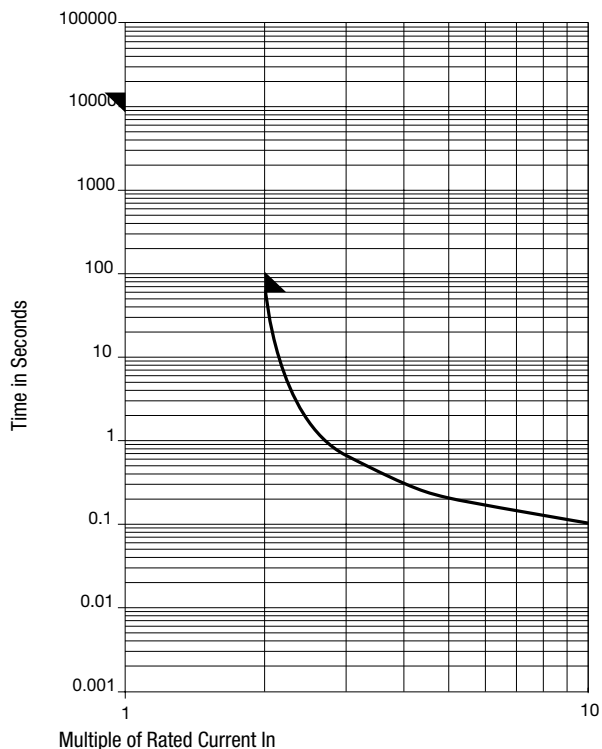
Drilling diagram

Pre-Arcing Time

Rated Current I_n 1.0 x I_n min. 2.0 x I_n max.


0.063 A - 10 A	4 h	60 s
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Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A ² s]	c_{UL} U_L US	S	L	T	Order Number
0.063	250	1)	544	37	0.0176	●	●			0034.7103
0.08	250	1)	413	38	0.0313	●	●			0034.7104
0.1	250	1)	318	35	0.0456	●	●			0034.7105
0.125	250	1)	289	40	0.0567	●	●			0034.7106
0.16	250	1)	219	38	0.0692	●	●			0034.7107
0.2	250	1)	262	60	0.133	●	●			0034.7108
0.25	250	1)	202	55	0.258	●	●			0034.7109
0.315	250	1)	168	49	0.361	●	●			0034.7110
0.4	250	1)	159	69	0.528	●	●			0034.7111
0.5	250	1)	143	78	0.898	●	●			0034.7112
0.63	250	1)	124	85	2.24	●	●			0034.7113
0.8	250	1)	114	98	4.05	●	●			0034.7114
1	250	1)	100	107	6.85	●	●			0034.7115
1.25	250	1)	94	127	7.93	●	●			0034.7116
1.6	250	1)	85	145	17.5	●	●			0034.7117
2	250	1)	80	175	28.6	●	●			0034.7118
2.5	250	1)	75	205	40.9	●	●			0034.7119
3.15	250	1)	71	240	55	●	●			0034.7120
4	250	1)	72	303	67.2	●	●			0034.7121
5	250	1)	70	376	142	●	●			0034.7122
6.3	250	1)	68	488	287	●	●			0034.7123

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.0 I _n typ. [mW]	Melting I ² t 10.0 Intyp. [A ² s]		S	L	T	Order Number
8	250	1)	50	445	422	●	●			0034.7124
10	250	1)	50	630	564	●	●			0034.7125
0.063	250	1)	544	37	0.0176	●		●		0034.7203
0.08	250	1)	413	38	0.0313	●		●		0034.7204
0.1	250	1)	318	35	0.0456	●		●		0034.7205
0.125	250	1)	289	40	0.0567	●		●		0034.7206
0.16	250	1)	219	38	0.0692	●		●		0034.7207
0.2	250	1)	262	60	0.133	●		●		0034.7208
0.25	250	1)	202	55	0.258	●		●		0034.7209
0.315	250	1)	168	49	0.361	●		●		0034.7210
0.4	250	1)	159	69	0.528	●		●		0034.7211
0.5	250	1)	143	78	0.898	●		●		0034.7212
0.63	250	1)	124	85	2.24	●		●		0034.7213
0.8	250	1)	114	98	4.05	●		●		0034.7214
1	250	1)	100	107	6.85	●		●		0034.7215
1.25	250	1)	94	127	7.93	●		●		0034.7216
1.6	250	1)	85	145	17.5	●		●		0034.7217
2	250	1)	80	175	28.6	●		●		0034.7218
2.5	250	1)	75	205	40.9	●		●		0034.7219
3.15	250	1)	71	240	55	●		●		0034.7220
4	250	1)	72	303	67.2	●		●		0034.7221
5	250	1)	70	376	142	●		●		0034.7222
6.3	250	1)	68	488	287	●		●		0034.7223
8	250	1)	50	445	422	●		●		0034.7224
10	250	1)	50	630	564	●		●		0034.7225
0.063	250	1)	544	37	0.0176	●			●	0034.7303
0.08	250	1)	413	38	0.0313	●			●	0034.7304
0.1	250	1)	318	35	0.0456	●			●	0034.7305
0.125	250	1)	289	40	0.0567	●			●	0034.7306
0.16	250	1)	219	38	0.0692	●			●	0034.7307
0.2	250	1)	262	60	0.133	●			●	0034.7308
0.25	250	1)	202	55	0.258	●			●	0034.7309
0.315	250	1)	168	49	0.361	●			●	0034.7310
0.4	250	1)	159	69	0.528	●			●	0034.7311
0.5	250	1)	143	78	0.898	●			●	0034.7312
0.63	250	1)	124	85	2.24	●			●	0034.7313
0.8	250	1)	114	98	4.05	●			●	0034.7314
1	250	1)	100	107	6.85	●			●	0034.7315
1.25	250	1)	94	127	7.93	●			●	0034.7316
1.6	250	1)	85	145	17.5	●			●	0034.7317
2	250	1)	80	175	28.6	●			●	0034.7318
2.5	250	1)	75	205	40.9	●			●	0034.7319
3.15	250	1)	71	240	55	●			●	0034.7320
4	250	1)	72	303	67.2	●			●	0034.7321
5	250	1)	70	376	142	●			●	0034.7322
6.3	250	1)	68	488	287	●			●	0034.7323
8	250	1)	50	445	422	●			●	0034.7324
10	250	1)	50	630	564	●			●	0034.7325

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

1) 50 A @ 250 VAC

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

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.