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

Subminiature fuse 8.5 mm, time-lag T,
250 VAC
Short terminal
PCB

Subminiature fuse 8.5 mm, time-lag T,
250 VAC
Terminal long
PCB

UL 248-14 · 250 VAC · Time-Lag T

See below:
Approvals and Compliances

Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

References

Corresponding Fuseholder

Weblinks

pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	250 VAC
Rated current	0.063 - 10 A
Breaking Capacity	50 A
Characteristic	Time-Lag T
Mounting	PCB,THT
Admissible Ambient 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, 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	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leeds and body)
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)
Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
Moisture Resistance Test	MIL-STD-202, Method 106 (50 cycles in a temp./mister chamber)
Vibration, High Frequency	MIL-STD-202, Method 204 Condition D
Mechanical Shock	(acc. to EIA/IS-722, Test 4.9)
Resistance to Solvents	MIL-STD-202, Method 215
Terminal Strength	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)

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.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: MSTU 250

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UL File Number: E41599

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

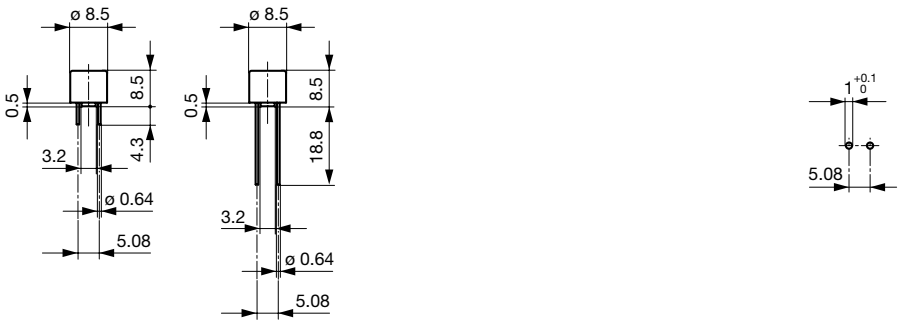
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

8.5 mm

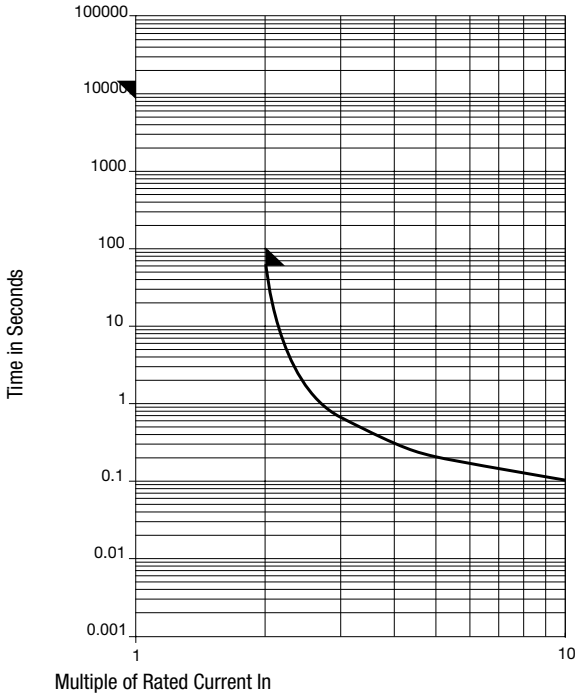


Drilling diagram

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.
0.063 A - 10 A	4 h	120 s

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^2s]	cULus	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
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

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^2s]	c UL us	S	L	T	Order Number
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: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

1) 50 A @ 250 VAC, cos φ = 0.95 - 1.0

Packaging Unit
acc. IEC 60286-2

S =	100 pcs in ESD-plastic bag
L =	100 St. (Bulk)
T =	750 pcs. in tape [P = P0: 12.7; P1: 3.81; H1: 26.45] on reel [A: 360; W3: 40; W4: 52; C: 30.5]

26.03.2024