Subminiature Fuse, 11.5 x 5 mm, Time-Lag T

Subminiature fuse 11.5 x 5 mm, time-lag T
Short terminal
PCB

Subminiature fuse 11.5 x 5 mm, time-lag T
Terminal long
PCB

IEC 60127-4 · 250 VAC · Time-Lag T

See below:
Approvals and Compliances

Description
- Subminiature fuse time-lag T

Applications
- Primary Protection on PCB
- Power Supply Adapter for e.g. laptops

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	0.2 - 10 A
Breaking Capacity	50 A - 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	0.72 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	⊟, Rated current, Rated Voltage, Characteristic, Breaking Capacity, Certification marks

Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc

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: FRT 250T

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

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60127-4/1	Miniature fuses. Part 4. Universal modular fuse-links for through-hole and surface mount types
UL	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses
CSA Group	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
IEC	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

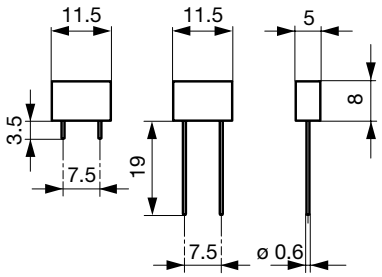
Compliances

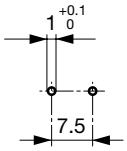
The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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	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	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
50	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	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]

11.5 mm



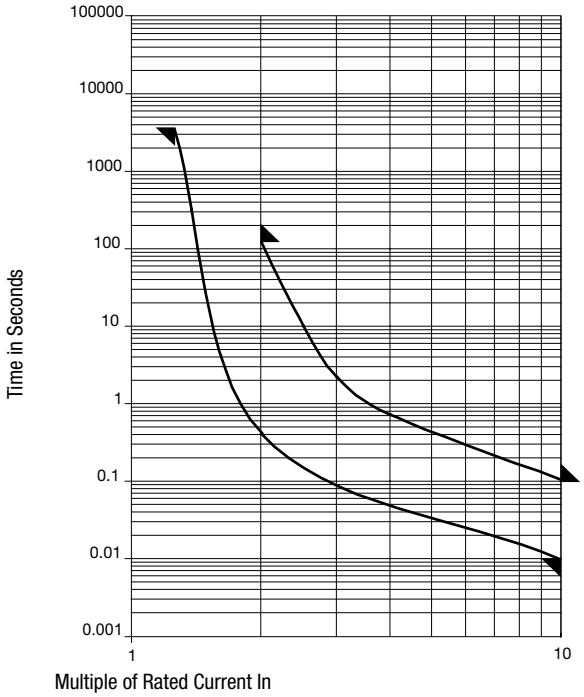


Drilling diagram

Pre-Arcing Time

Rated Current In	1.25 x In min.	2.0 x In max.	10.0 x In min.	10.0 x In max.
0.2 A - 10 A	60 min	120 s	10 ms	100 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.25 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	VDE	cULus	S	L	T	Order Number
0.2	250	1)	235	85	0.1	●		●			7100.1008.13
0.2	250	1)	235	85	0.1	●			●		7100.1108.13
0.2	250	1)	235	85	0.1	●				●	7100.1108.95
0.2	250	1)	235	85	0.1	●				●	7100.1108.96
0.25	250	1)	180	80	0.2	●		●			7100.1009.13
0.25	250	1)	180	80	0.2	●			●		7100.1109.13
0.25	250	1)	180	80	0.2	●				●	7100.1109.95
0.25	250	1)	180	80	0.2	●				●	7100.1109.96
0.315	250	1)	130	70	0.3	●		●			7100.1010.13
0.315	250	1)	130	70	0.3	●			●		7100.1110.13
0.315	250	1)	130	70	0.3	●				●	7100.1110.95
0.315	250	1)	130	70	0.3	●				●	7100.1110.96
0.4	250	1)	130	90	0.49	●		●			7100.1011.13
0.4	250	1)	130	90	0.49	●			●		7100.1111.13
0.4	250	1)	130	90	0.49	●				●	7100.1111.95
0.4	250	1)	130	90	0.49	●				●	7100.1111.96
0.5	250	1)	120	110	0.53	●		●			7100.1012.13
0.5	250	1)	120	110	0.53	●			●		7100.1112.13
0.5	250	1)	120	110	0.53	●				●	7100.1112.95
0.5	250	1)	120	110	0.53	●				●	7100.1112.96
0.63	250	1)	100	115	1.13	●		●			7100.1013.13
0.63	250	1)	100	115	1.13	●			●		7100.1113.13
0.63	250	1)	100	115	1.13	●				●	7100.1113.95
0.63	250	1)	100	115	1.13	●				●	7100.1113.96
0.8	250	2)	230	330	1.5	●		●			7100.1014.13
0.8	250	2)	230	330	1.5	●			●		7100.1114.13
0.8	250	2)	230	330	1.5	●				●	7100.1114.95

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.25 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	VDE	c UL us	S	L	T	Order Number
0.8	250	2)	230	330	1.5		●			●	7100.1114.96
1	250	2)	155	300	1.6		●	●			7100.1015.13
1	250	2)	155	300	1.6		●		●		7100.1115.13
1	250	2)	155	300	1.6		●			●	7100.1115.95
1	250	2)	155	300	1.6		●			●	7100.1115.96
1.25	250	2)	120	270	3		●	●			7100.1016.13
1.25	250	2)	120	270	3		●		●		7100.1116.13
1.25	250	2)	120	270	3		●			●	7100.1116.95
1.25	250	2)	120	270	3		●			●	7100.1116.96
1.6	250	2)	120	375	4.9	●	●	●			7100.1017.13
1.6	250	2)	120	375	4.9	●	●		●		7100.1117.13
1.6	250	2)	120	375	4.9	●	●			●	7100.1117.95
1.6	250	2)	120	375	4.9	●	●			●	7100.1117.96
2	250	2)	105	400	7		●	●			7100.1018.13
2	250	2)	105	400	7		●		●		7100.1118.13
2	250	2)	105	400	7		●			●	7100.1118.95
2	250	2)	105	400	7		●			●	7100.1118.96
2.5	250	3)	95	420	7.3		●	●			7100.1019.13
2.5	250	3)	95	420	7.3		●		●		7100.1119.13
2.5	250	3)	95	420	7.3		●			●	7100.1119.95
2.5	250	3)	95	420	7.3		●			●	7100.1119.96
3.15	250	3)	92	520	4.7		●	●			7100.1020.13
3.15	250	3)	92	520	4.7		●		●		7100.1120.13
3.15	250	3)	92	520	4.7		●			●	7100.1120.95
3.15	250	3)	92	520	4.7		●			●	7100.1120.96
4	250	3)	90	600	25		●	●			7100.1021.13
4	250	3)	90	600	25		●		●		7100.1121.13
4	250	3)	90	600	25		●			●	7100.1121.95
4	250	3)	90	600	25		●			●	7100.1121.96
5	250	3)	92	800	32		●	●			7100.1022.13
5	250	3)	92	800	32		●		●		7100.1122.13
5	250	3)	92	800	32		●			●	7100.1122.95
5	250	3)	92	800	32		●			●	7100.1122.96
6.3	250	4)	93	680	53		●	●			7100.1023.13
6.3	250	4)	93	680	53		●		●		7100.1123.13
6.3	250	4)	93	680	53		●			●	7100.1123.95
6.3	250	4)	93	680	53		●			●	7100.1123.96
8	250	4)	65	500	87		●	●			7100.1024.13
8	250	4)	65	500	87		●		●		7100.1124.13
8	250	4)	65	500	87		●			●	7100.1124.95
8	250	4)	65	500	87		●			●	7100.1124.96
10	250	4)	63	900	160		●	●			7100.1025.13
10	250	4)	63	900	160		●		●		7100.1125.13
10	250	4)	63	900	160		●			●	7100.1125.95
10	250	4)	63	900	160		●			●	7100.1125.96

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

1) UL : 35 A @ 250 VAC, cos φ = 0.99 - 1; 10 kA @ 125 VAC, cos φ = 0.7 - 0.8; 35 A @ 250 VDC, tau < 1 ms

2) UL: 50 A @ 250 VAC, cos φ = 0.99 - 1; 10 kA @ 125 VAC, cos φ = 0.7 - 0.8; 50 A @ 250 VDC, tau < 1 ms

3) UL: 50 A @ 250 VAC, cos φ = 0.99 - 1

4) UL: 63 A @ 250 VAC, cos φ = 0.99 - 1

Packaging Unit	.xx = .13 / S = Short Terminals	Plastic Bag (100 pcs.)
	.xx = .13 / L = Long Terminals	Plastic Bag (100 pcs.)
	.xx = .95 / T = Reeled	Taped 36 cm Reel (500 pcs.)
	.xx = .96 / T = Reeled	Taped 36 cm Reel (1000 pcs.)

08.03.2022