

Surface Mount Fuse, 5 x 20 mm, Super-Time-Lag TT, L, 250 VAC, Au plating



UL 248-14 · 250 VAC · Super-Time-Lag TT



Description

- Directly solderable on printed circuit boards

Standards

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

Approvals

- Approval Reference Type: SMD-FTT
- UL File Number: E41599

References

[Packaging Details](#)

Weblinks

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

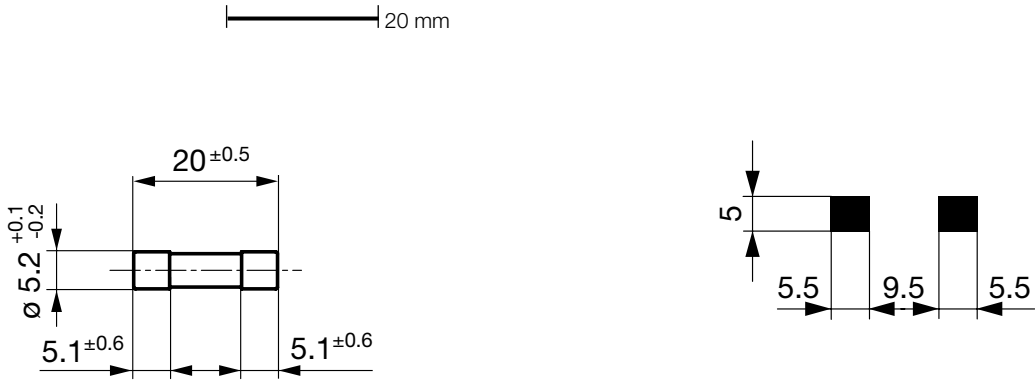
Technical Data

Rated Voltage	250 VAC
Rated current	0.16 - 4 A
Breaking Capacity	35 A
Characteristic	Super-Time-Lag TT
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-55 °C to 125 °C
Climatic Category	55/125/21 acc. to IEC 60068-1
Material: Housing	Glass
Material: Terminals	Gold-Plated Copper Alloy
Unit Weight	1.11 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 , Rated current, Rated Voltage, Characteristic, Breaking Capacity

Soldering Methods	Reflow Soldering Profile
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-58, Test Td
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
Life Test	MIL-STD-202, Method 108A (1000h @ 0.42*In @ 70°C)
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	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

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

Dimension

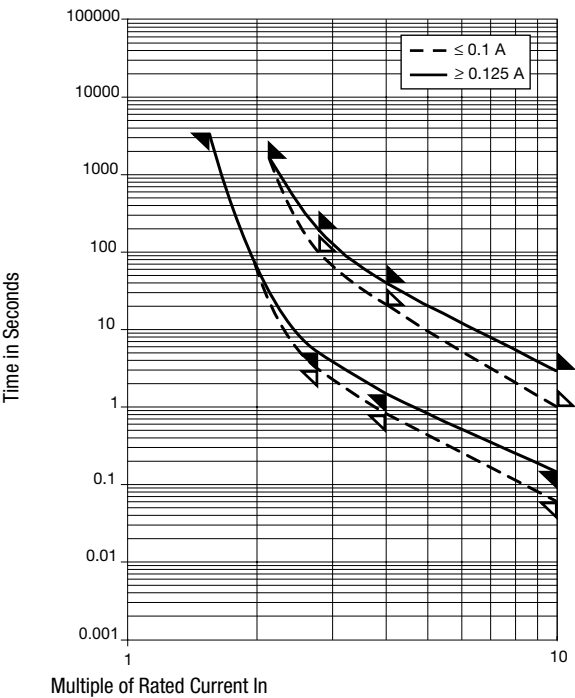


Soldering pads

Pre-Arcing Time

Rated Current I_n	$1.5 \times I_n$ min.	$2.1 \times I_n$ max.	$2.75 \times I_n$ min.	$2.75 \times I_n$ max.	$4.0 \times I_n$ min.	$4.0 \times I_n$ max.	$10.0 \times I_n$ min.	$10.0 \times I_n$ max.
0.16 A - 4 A	60 min	30 min	5 s	200 s	1.5 s	40 s	150 ms	3 s

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 typ. [mW]	Melting I^2t 10.0 I_n typ. [A ² s]		Order Number
0.16	250	1)	2000	450	300	1	●	0034.5705.11
0.16	250	1)	2000	450	300	1	●	0034.5705.22
0.2	250	1)	1500	400	330	1.73	●	0034.5706.11
0.2	250	1)	1500	400	330	1.73	●	0034.5706.22
0.25	250	1)	1200	330	350	2.53	●	0034.5707.11
0.25	250	1)	1200	330	350	2.53	●	0034.5707.22
0.315	250	1)	1000	300	360	4.17	●	0034.5708.11

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 typ. [mW]	Melting I ² t 10.0 Intyp. [A ² s]		Order Number
0.315	250	1)	1000	300	360	4.17	●	0034.5708.22
0.4	250	1)	900	225	400	5.2	●	0034.5709.11
0.4	250	1)	900	225	400	5.2	●	0034.5709.22
0.5	250	1)	800	250	440	7.9	●	0034.5710.11
0.5	250	1)	800	250	440	7.9	●	0034.5710.22
0.63	250	1)	700	200	470	13.7	●	0034.5711.11
0.8	250	1)	500	160	540	19.6	●	0034.5712.11
0.8	250	1)	500	160	540	19.6	●	0034.5712.22
1	250	1)	250	150	540	19.4	●	0034.5713.11
1	250	1)	250	150	540	19.4	●	0034.5713.22
1.25	250	1)	200	105	350	63	●	0034.5714.11
1.25	250	1)	200	105	350	63	●	0034.5714.22
1.6	250	1)	200	100	650	87	●	0034.5715.11
1.6	250	1)	200	100	650	87	●	0034.5715.22
2	250	1)	200	100	800	124	●	0034.5716.11
2	250	1)	200	100	800	124	●	0034.5716.22
2.5	250	1)	150	90	850	258	●	0034.5717.11
2.5	250	1)	150	90	850	258	●	0034.5717.22
3.15	250	1)	100	90	1000	395	●	0034.5718.11
3.15	250	1)	100	90	1000	395	●	0034.5718.22
4	250	1)	100	80	1150	410	●	0034.5719.11
4	250	1)	100	80	1150	410	●	0034.5719.22

Most Popular.

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

1) 35 A @ 250 VAC

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)
.xx = .22 Blister Tape 33 cm Reel (1000 pcs.)