

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



IEC 60127-2 · 250 VAC · Time-Lag T



### Description

- Directly solderable on printed circuit boards
- L = Low Breaking Capacity
- For rated current 1 A to 16 A, SMD-SPT is recommended

### Standards

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

### Approvals

- VDE Certificate Number: 40011522
- UL File Number: E41599

### Applications

- Primary protection on SMD PCBs


### References

[Packaging Details](#)

### Weblinks

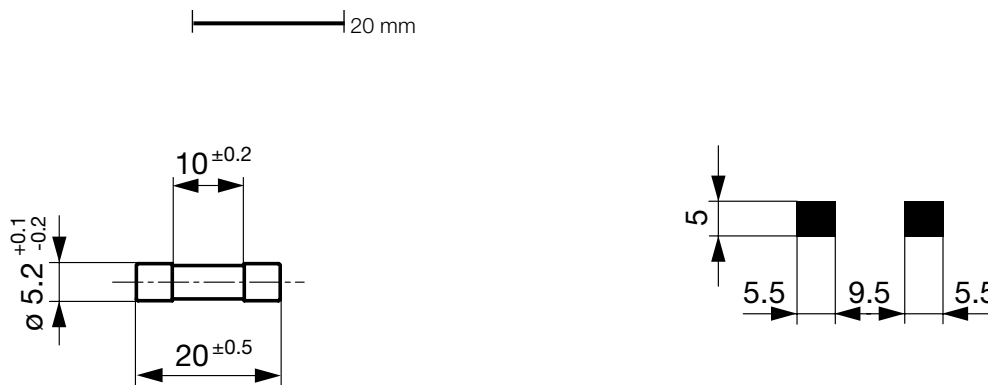
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

### Technical Data

Rated Voltage	250VAC
Rated current	0.05 - 20A
Breaking Capacity	35A - 125A
Characteristic	Time-Lag T
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	1.05 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Current, Rated voltage, Characteristic, Breaking Capacity

Soldering Methods	Reflow
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 °C / 10sec acc. to IEC 60068-2-58, Test Td
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
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

### Dimension

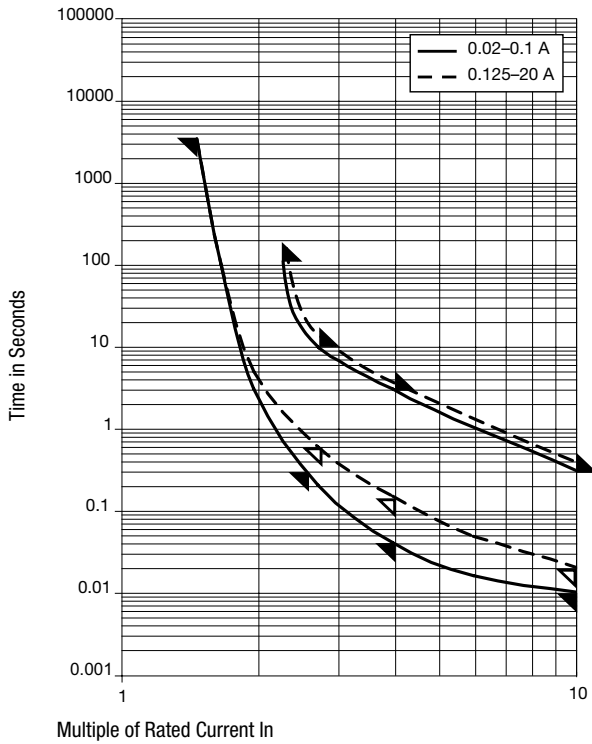


Soldering pads

## Pre-Arcing Time


Rated Current $I_n$	1.5 x $I_n$ min.	2.1 x $I_n$ max.	2.75 x $I_n$ min.	2.75 x $I_n$ max.	4.0 x $I_n$ min.	4.0 x $I_n$ max.	10.0 x $I_n$ min.	10.0 x $I_n$ max.
0.05 A - 0.1 A	60 min	120 s	300 ms	10 s	40 ms	3 s	10 ms	300 ms
0.125 A - 6.3 A	60 min	120 s	600 ms	10 s	150 ms	3 s	20 ms	300 ms
8 A - 10 A	30 min	120 s	600 ms	10 s	150 ms	3 s	20 ms	300 ms
12.5 A - 20 A	15 min	120 s	600 ms	10 s	150 ms	3 s	20 ms	300 ms

## 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 $I_n$ max. [mW]	Power Dissipation 1.5 $I_n$ typ. [mW]	Melting $I^2t$ 10.0 $I_n$ typ. [A <sup>2</sup> s]				Order Number
0.05	250	1)	3500	950	1600	125	0.0363	●	●	0034.5604.xx	
0.063	250	1)	3000	1300	1600	200	0.0401	●	●	0034.5605.xx	
0.08	250	1)	3000	1100	1600	300	0.057	●	●	0034.5606.xx	
0.1	250	1)	2500	565	1600	155	0.107	●	●	0034.5607.xx	
0.125	250	1)	2000	400	1600	200	0.064	●	●	0034.5608.xx	
0.16	250	1)	1900	415	1600	185	0.23	●	●	0034.5609.xx	
0.2	250	1)	1500	270	1600	200	0.256	●	●	0034.5610.xx	
0.25	250	1)	1300	210	1600	200	0.238	●	●	0034.5611.xx	
0.315	250	1)	1100	170	1600	200	0.544	●	●	0034.5612.xx	
0.4	250	1)	1000	150	1600	200	0.768	●	●	0034.5613.xx	
0.5	250	1)	900	160	1600	200	3	●	●	0034.5614.xx	
0.63	250	1)	300	160	1600	200	4.35	●	●	0034.5615.xx	
0.8	250	1)	250	120	1600	200	3.85	●	●	0034.5616.xx	
1	250	1)	150	60	1600	200	3.3	●	●	0034.5617.xx	
1.25	250	1)	150	60	1600	300	5.5	●	●	0034.5618.xx	
1.6	250	1)	150	60	1600	300	10.5	●	●	0034.5619.xx	
2	250	1)	150	60	1600	300	16	●	●	0034.5620.xx	
2.5	250	1)	120	60	1600	400	21.9	●	●	0034.5621.xx	
3.15	250	1)	100	60	1600	500	47	●	●	0034.5622.xx	
4	250	2)	100	60	1600	800	68.3	●	●	0034.5623.xx	

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I <sub>n</sub> max. [mV]	Voltage Drop 1.0 I <sub>n</sub> typ. [mV]	Power Dissipation 1.5 I <sub>n</sub> max. [mW]	Power Dissipation 1.5 I <sub>n</sub> typ. [mW]	Melting I <sup>2</sup> t 10.0 Intyp. [A <sup>2</sup> s]		Order Number
5	250	2)	100	60	1600	900	102	● ●	0034.5624.xx
6.3	250	2)	100	60	1600	1000	190	● ●	0034.5625.xx
8	250	2)	100	60	4000	1300	275	● ● ●	0034.5626.xx
10	250	2)	100	60	4000	1300	520	● ● ●	0034.5627.xx
12.5	250	3)	-	60	-	2500	750	● ●	0034.5628.xx
16	250	3)	-	60	-	3300	1638	● ●	0034.5629.xx
20	250	3)	-	60	-	4200	3057		0034.5630.xx

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- 1) 35 A @ 250 VAC
- 2) 10 In @ 250 VAC
- 3) 125 A @ 250 VAC

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