Surface Mount Fuse, 11 x 4.6 mm, Time-Lag T, 250 VAC, 125 VDC



UL 248-14 · 250 VAC · 125 VDC · Time-Lag T

Description
- Directly solderable on printed circuit boards

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

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

Applications
- Primary protection on SMD PCBs
- AC and DC applications

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

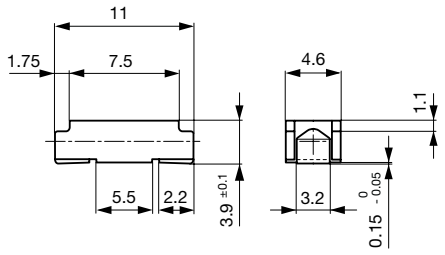
Technical Data

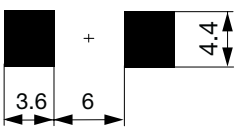
Rated Voltage	125 - 250 VAC, 125 VDC
Rated current	0.75 - 5 A
Breaking Capacity	50 A - 100 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to 125 °C
Climatic Category	40/125/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	0.04 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	SCHURTER, Type, Rated current, Approvals

Soldering Methods	Reflow, Wave
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
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 leeds and body)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)
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

Dimension

11 mm



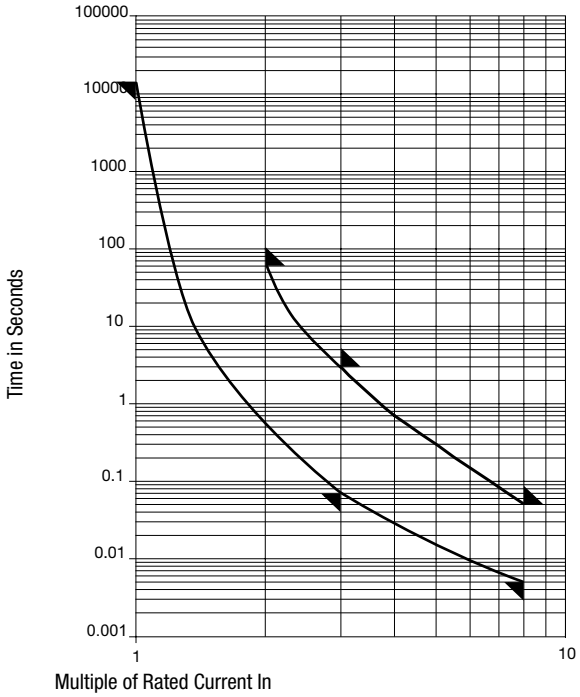


Soldering pads

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In min.	2.0 x In max.	3.0 x In min.	3.0 x In max.	8.0 x In min.	8.0 x In max.
0.75 A - 5 A	4 h	100 ms	60 s	70 ms	3 s	5 ms	50 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 8.0 In typ. [A^2s]	cULus	Order Number
0.75	250	125 VDC	1)	200	150	0.36	●	3403.0129.xx
1	250	125 VDC	1)	146	146	0.99	●	3403.0116.xx
1.25	250	125 VDC	1)	89	111	1	●	3403.0117.xx
1.5	250	125 VDC	2)	74	111	2	●	3403.0130.xx
2	250	125 VDC	2)	69	138	4	●	3403.0119.xx
2.5	125	125 VDC	3)	68	170	7	●	3403.0120.xx
3	125	125 VDC	3)	62	186	12	●	3403.0131.xx
3.5	125	125 VDC	3)	60	210	19	●	3403.0132.xx
4	125	125 VDC	3)	60	240	23	●	3403.0122.xx
5	125	125 VDC	3)	57	285	37	●	3403.0123.xx

Most Popular.

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

1) 100 A @ 250 VAC / 100 A @ 125 VDC

2) 50 A @ 250 VAC / 100 A @ 125 VAC / 100 A @ 125 VDC

3) 100 A @ 125 VAC / 100 A @ 125 VDC

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)
.xx = .24 Blister Tape 33 cm Reel (2000 pcs.)

26.03.2015

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.