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

Exemplary part photo depending on part no.

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

See below:
Approvals and Compliances

Description
- Directly solderable on printed circuit boards

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

References
Packaging Details

Weblinks
pdf datasheet, html-datasheet, General Product Information, Packaging details, 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	, Type, Rated current, Approvals

Soldering Methods	Reflow, Wave 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
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

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

Approvals

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

Approval Reference Type: OMT

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: Additional 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
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.

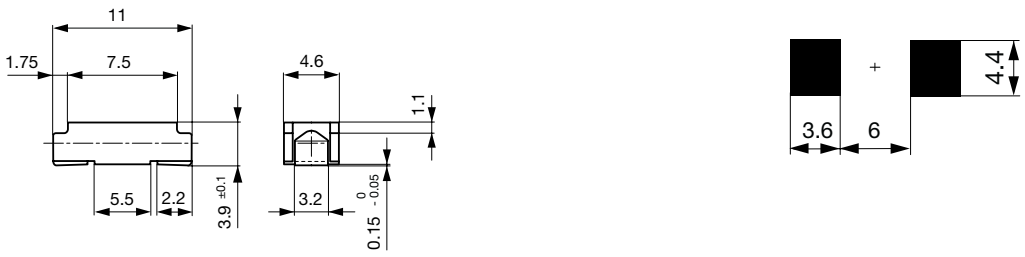
Compliances

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.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	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]

11 mm

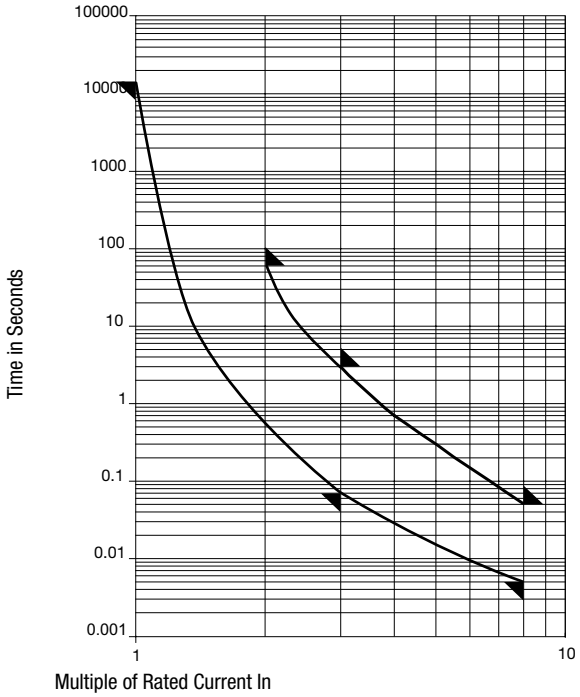


Soldering pads

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	●	3403.0129.11
0.75	250	125 VDC	1)	200	180	0.36	●	3403.0129.24
1	250	125 VDC	1)	146	146	0.99	●	3403.0116.11
1	250	125 VDC	1)	92	92	0.7	●	3403.0116.24
1.25	250	125 VDC	1)	89	111	1	●	3403.0117.11
1.25	250	125 VDC	1)	89	111	1	●	3403.0117.24
1.5	250	125 VDC	2)	74	111	2	●	3403.0130.11
1.5	250	125 VDC	2)	74	111	2	●	3403.0130.24
2	250	125 VDC	2)	69	138	4	●	3403.0119.11
2	250	125 VDC	2)	69	138	4	●	3403.0119.24
2.5	125	125 VDC	3)	68	170	7	●	3403.0120.11
2.5	125	125 VDC	3)	68	170	7	●	3403.0120.24
3	125	125 VDC	3)	62	186	12	●	3403.0131.11
3	125	125 VDC	3)	62	186	12	●	3403.0131.24
3.5	125	125 VDC	3)	60	210	19	●	3403.0132.11
3.5	125	125 VDC	3)	60	210	19	●	3403.0132.24
4	125	125 VDC	3)	60	240	23	●	3403.0122.11
4	125	125 VDC	3)	60	240	23	●	3403.0122.24
5	125	125 VDC	3)	57	285	37	●	3403.0123.11
5	125	125 VDC	3)	57	285	37	●	3403.0123.24

Most Popular.

Availability for all products can be searched real-time:https://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.)

26.02.2018