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Surface Mount Fuse, 7.4 x 3.1 mm, Time-Lag T, 125 VAC, 125 VDC

Exemplary part photo depending on part no.

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

Description
- Directly solderable on printed circuit boards

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

Approvals
- Approval Reference Type: OMT 125
- UL File Number: E41599

References
Packaging Details
Corresponding Fuseholder OMH 125
Assembled Fuseholder OMZ 125

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

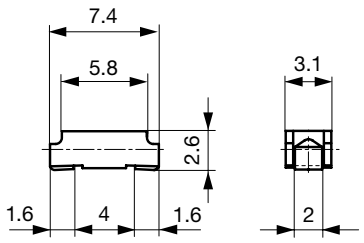
Rated Voltage	125 VAC, 125 VDC
Rated current	0.25 - 6.3 A
Breaking Capacity	100 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to +85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	0.01 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Approvals

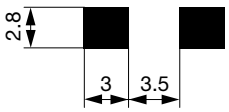
Soldering Methods	Reflow, Wave Soldering Profile
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 40 sec acc. to IPC/JEDEC J-STD-020D, Level 1
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)
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)
Resistance to Solvents	MIL-STD-202, Method 215A

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

Dimension [mm]

7.4 mm



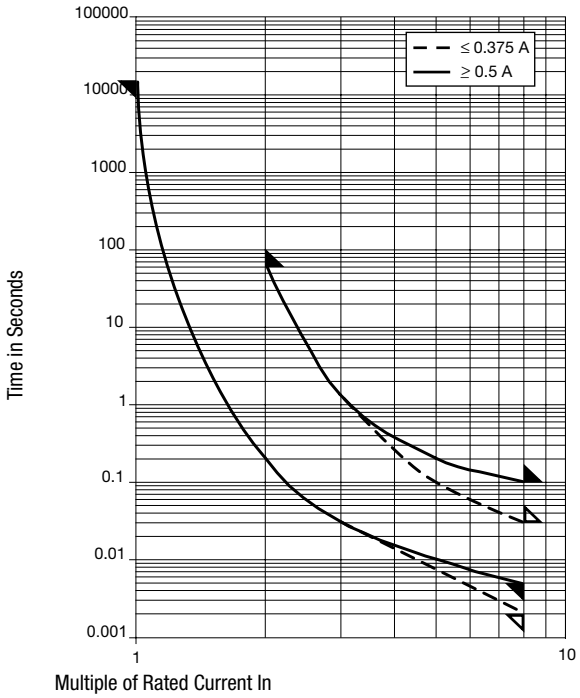


Soldering pads

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.	8.0 x In min.	8.0 x In max.
0.25 A - 0.375 A	4 h	60 s	2 ms	30 ms
0.5 A - 6.3 A	4 h	60 s	5 ms	100 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
0.25	125	125	1)	142	35.5	0.02	●	3404.0110.11
0.25	125	125	1)	142	35.5	0.02	●	3404.0110.22
0.25	125	125	1)	142	35.5	0.02	●	3404.0110.24
0.375	125	125	1)	123	46.1	0.054	●	3404.0111.11
0.375	125	125	1)	123	46.1	0.054	●	3404.0111.22
0.375	125	125	1)	123	46.1	0.054	●	3404.0111.24
0.5	125	125	1)	95	47.5	0.16	●	3404.0112.11
0.5	125	125	1)	95	47.5	0.16	●	3404.0112.22
0.5	125	125	1)	95	47.5	0.16	●	3404.0112.24
0.75	125	125	1)	92	69	0.43	●	3404.0113.11
0.75	125	125	1)	92	69	0.43	●	3404.0113.22
0.75	125	125	1)	92	69	0.43	●	3404.0113.24
1	125	125	1)	88	88	0.77	●	3404.0114.11
1	125	125	1)	88	88	0.77	●	3404.0114.22
1	125	125	1)	88	88	0.77	●	3404.0114.24
1.5	125	125	1)	82	123	1.73	●	3404.0115.11
1.5	125	125	1)	82	123	1.73	●	3404.0115.22
1.5	125	125	1)	82	123	1.73	●	3404.0115.24
2	125	125	1)	75	150	3.58	●	3404.0116.11
2	125	125	1)	75	150	3.58	●	3404.0116.22
2	125	125	1)	75	150	3.58	●	3404.0116.24
2.5	125	125	1)	137	343	5.6	●	3404.0117.11

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]	$_{c}$UL$_{us}$	Order Number	
2.5	125	125	1)	137	343	5.6	●	3404.0117.22	▮
2.5	125	125	1)	137	343	5.6	●	3404.0117.24	
3	125	125	1)	128	384	8.06	●	3404.0118.11	▮
3	125	125	1)	128	384	8.06	●	3404.0118.22	▮
3	125	125	1)	128	384	8.06	●	3404.0118.24	
3.5	125	125	1)	119	417	11.76	●	3404.0119.11	
3.5	125	125	1)	119	417	11.76	●	3404.0119.22	
3.5	125	125	1)	119	417	11.76	●	3404.0119.24	
4	125	125	1)	77	308	12.3	●	3404.0120.11	▮
4	125	125	1)	77	308	12.3	●	3404.0120.22	▮
4	125	125	1)	77	308	12.3	●	3404.0120.24	
5	125	125	1)	79	395	20.8	●	3404.0121.11	▮
5	125	125	1)	79	395	20.8	●	3404.0121.22	▮
5	125	125	1)	79	395	20.8	●	3404.0121.24	
6.3	125	125	1)	82	516	25.4	●	3404.0122.11	
6.3	125	125	1)	82	516	25.4	●	3404.0122.22	
6.3	125	125	1)	82	516	25.4	●	3404.0122.24	

▮ Most Popular.

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

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

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)
.xx = .22 Blister Tape 18 cm Reel (750 pcs.)
.xx = .24 Blister Tape 33 cm Reel (3000 pcs.)

08.06.2017