OMT 125

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



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
- UL File Number: E41599

References
Packaging Details
Corresponding Fuseholder OMH 125
Assembled Fuseholder OMZ 125

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

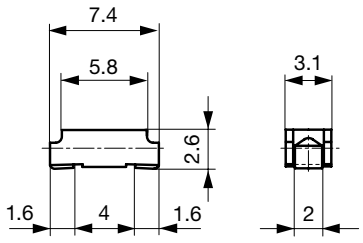
Technical Data

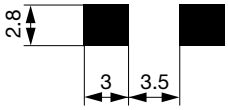
Rated Voltage	125 VAC, 125 VDC
Rated current	0.25 - 6.3 A
Breaking Capacity	100 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to +85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
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
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

Dimension

7.4 mm



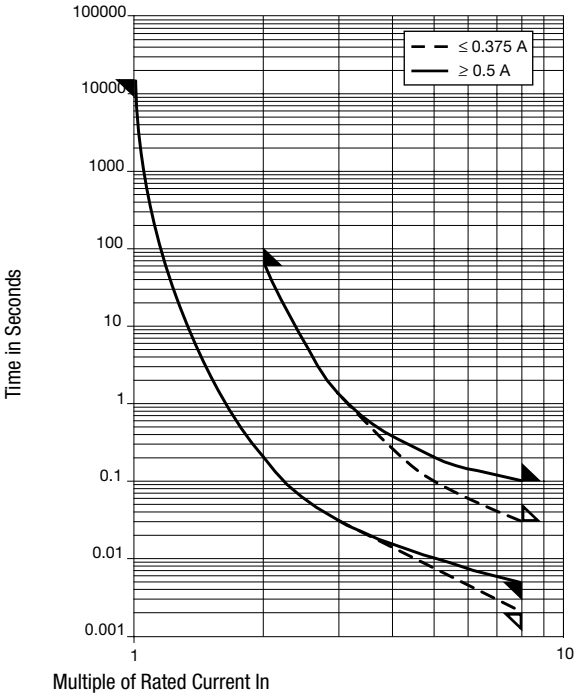


Soldering pads

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.xx	
0.375	125	125	1)	123	46.1	0.054	●	3404.0111.xx	
0.5	125	125	1)	95	47.5	0.16	●	3404.0112.xx	
0.75	125	125	1)	92	69	0.43	●	3404.0113.xx	
1	125	125	1)	88	88	0.77	●	3404.0114.xx	
1.5	125	125	1)	82	123	1.73	●	3404.0115.xx	
2	125	125	1)	75	150	3.58	●	3404.0116.xx	
2.5	125	125	1)	137	343	5.6	●	3404.0117.xx	
3	125	125	1)	128	384	8.06	●	3404.0118.xx	
3.5	125	125	1)	119	417	11.76	●	3404.0119.xx	
4	125	125	1)	77	308	12.3	●	3404.0120.xx	
5	125	125	1)	79	395	20.8	●	3404.0121.xx	
6.3	125	125	1)	82	516	25.4	●	3404.0122.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 @ 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.)

25.03.2015

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.