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
General Product Information, Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

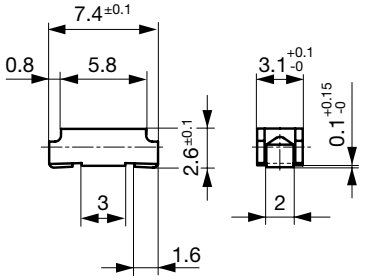
Technical Data

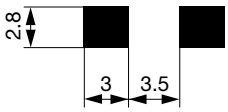
Rated Voltage	125 VAC, 125 VDC
Rated Current	0.25 - 6.3 A
Breaking Capacity	100 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to +85 °C
Climatic Category	55/125/ acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	0.08 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	S, Type, 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 50gn, half sine wave, 11 ms)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

Dimensions

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

Variants

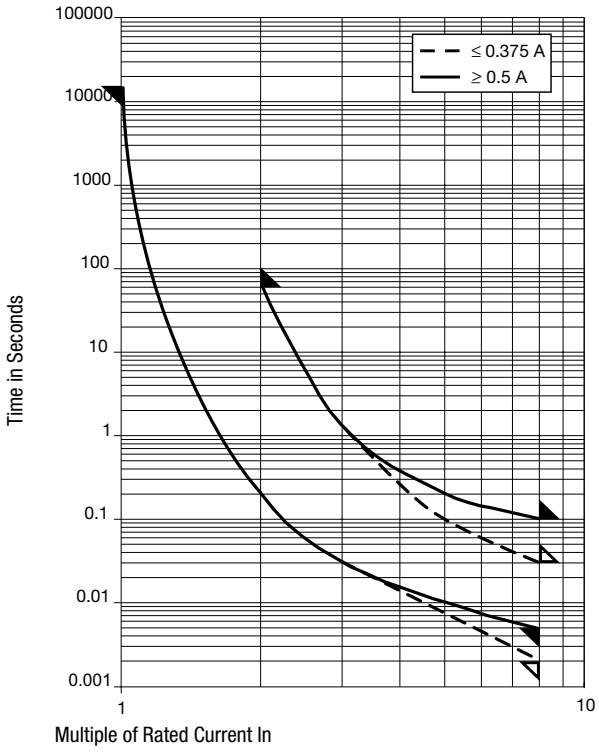
Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 8.0 In typ. [A^2s]	c UL us	CCC	Order Number
0.25	125	125	1)	142	35.5	0.02	●	●	3404.0110.xx
0.375	125	125	1)	123	46.1	0.054	●	●	3404.0111.xx
0.5	125	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
6.3	125	125	1)	79	395	20.8	●	●	3404.0121.xx
6.3	125	125	1)	82	516	25.4	●		3404.0122.xx

1) 100 A @ 125 VAC , p.f. ≥ 0.95 / 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.)

Time-Current-Curves



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