

Surface Mount Fuse, 7.4 x 3.1 mm, Quick-Acting F, 125 VAC, 125 VDC



Exemplary part photo depending on
part no.

UL 248-14 · 125 VAC · 125 VDC · Quick-Acting F



Description

- Directly solderable on printed circuit boards

Standards

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

Approvals

- Approval Reference Type: OMF 125
- UL File Number: E41599

References

[Packaging Details](#)

Corresponding Fuseholder [OMH 125](#)

Assembled Fuseholder [OMK 125](#)

Fuse Kit [Fuse Kit OMF](#)

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](#)

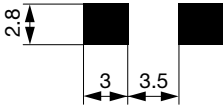
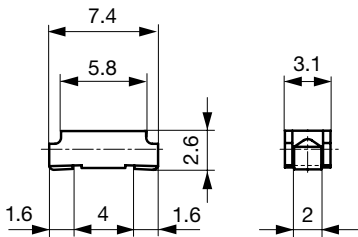
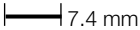
Technical Data

Rated Voltage	125 VAC, 125 VDC
Rated current	0.063 - 10 A
Breaking Capacity	100 A
Characteristic	Quick-Acting F
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to 125 °C
Climatic Category	40/85/21 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	 , 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 / 10sec acc. to IEC 60068-2-58, Test Td
Load Humidity Test	MIL-STD-202, Method 103B 0.1 x In @ 0.85 r.H. @ 85 °C
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 leads 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
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

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

Dimension [mm]

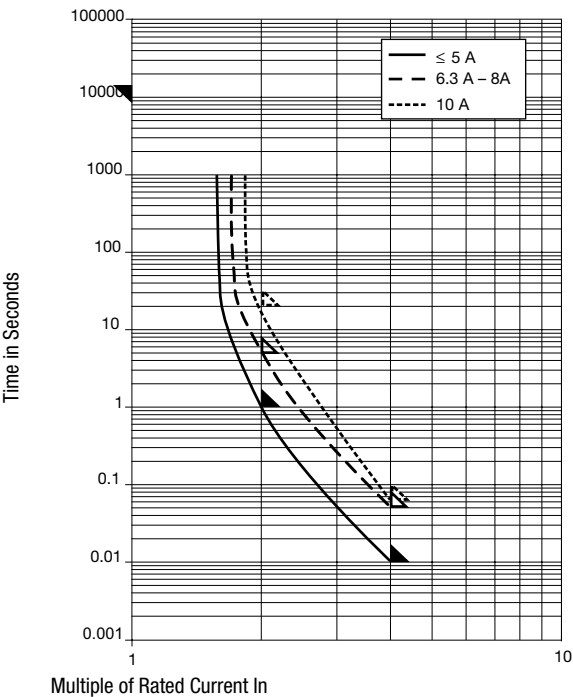


Soldering pads

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.	4.0 x In max.
0.063 A - 5 A	4 h	1 s	10 ms
6.3 A - 8 A	4 h	5 s	50 ms
10 A	4 h	20 s	60 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 In typ. [mW]	Melting I²t 4.0 In typ. [A²s]	Order Number
0.063	125	125	1)	2550	160	0.00011	3404.0003.11
0.063	125	125	1)	2550	160	0.00011	3404.0003.22
0.063	125	125	1)	2550	160	0.00011	3404.0003.24
0.1	125	125	1)	1770	180	0.00067	3404.0004.11
0.1	125	125	1)	1770	180	0.00067	3404.0004.22

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.0 I _n typ. [mW]	Melting I ² t 4.0 In typ. [A ² s]	 c _{us}	Order Number
0.1	125	125	1)	1770	180	0.00067	●	3404.0004.24
0.125	125	125	1)	1770	220	0.0011	●	3404.0049.11
0.125	125	125	1)	1770	220	0.0011	●	3404.0049.22
0.125	125	125	1)	1770	220	0.0011	●	3404.0049.24
0.16	125	125	1)	1700	270	0.0018	●	3404.0005.11
0.16	125	125	1)	1700	270	0.0018	●	3404.0005.22
0.16	125	125	1)	1700	270	0.0018	●	3404.0005.24
0.25	125	125	1)	990	250	0.0058	●	3404.0006.11
0.25	125	125	1)	990	250	0.0058	●	3404.0006.22
0.25	125	125	1)	990	250	0.0058	●	3404.0006.24
0.35	125	125	1)	990	350	0.0076	●	3404.0043.11
0.35	125	125	1)	990	350	0.0076	●	3404.0043.22
0.35	125	125	1)	990	350	0.0076	●	3404.0043.24
0.375	125	125	1)	990	370	0.013	●	3404.0044.11
0.375	125	125	1)	990	370	0.013	●	3404.0044.22
0.375	125	125	1)	990	370	0.013	●	3404.0044.24
0.4	125	125	1)	960	380	0.016	●	3404.0007.11
0.4	125	125	1)	960	380	0.016	●	3404.0007.22
0.4	125	125	1)	960	380	0.016	●	3404.0007.24
0.5	125	125	1)	350	150	0.01	●	3404.0045.11
0.5	125	125	1)	350	150	0.01	●	3404.0045.22
0.5	125	125	1)	350	150	0.01	●	3404.0045.24
0.63	125	125	1)	290	180	0.02	●	3404.0008.11
0.63	125	125	1)	290	180	0.02	●	3404.0008.22
0.63	125	125	1)	290	180	0.02	●	3404.0008.24
0.75	125	125	1)	260	200	0.031	●	3404.0046.11
0.75	125	125	1)	260	200	0.031	●	3404.0046.22
0.75	125	125	1)	260	200	0.031	●	3404.0046.24
1	125	125	1)	220	220	0.078	●	3404.0009.11
1	125	125	1)	220	220	0.078	●	3404.0009.22
1	125	125	1)	220	220	0.078	●	3404.0009.24
1.25	125	125	1)	220	280	0.14	●	3404.0010.11
1.25	125	125	1)	220	280	0.14	●	3404.0010.22
1.25	125	125	1)	220	280	0.14	●	3404.0010.24
1.5	125	125	1)	200	300	0.24	●	3404.0047.11
1.5	125	125	1)	200	300	0.24	●	3404.0047.22
1.5	125	125	1)	200	300	0.24	●	3404.0047.24
1.6	125	125	1)	200	320	0.27	●	3404.0011.11
1.6	125	125	1)	200	320	0.27	●	3404.0011.22
1.6	125	125	1)	200	320	0.27	●	3404.0011.24
2	125	125	1)	200	400	0.44	●	3404.0012.11
2	125	125	1)	200	400	0.44	●	3404.0012.22
2	125	125	1)	200	400	0.44	●	3404.0012.24
2.5	125	125	1)	190	480	0.97	●	3404.0013.11
2.5	125	125	1)	190	480	0.97	●	3404.0013.22
2.5	125	125	1)	190	480	0.97	●	3404.0013.24
3	125	125	1)	190	570	1.3	●	3404.0014.11
3	125	125	1)	190	570	1.3	●	3404.0014.22
3	125	125	1)	190	570	1.3	●	3404.0014.24
3.15	125	125	1)	190	600	1.2	●	3404.0048.11
3.15	125	125	1)	190	600	1.2	●	3404.0048.22
3.15	125	125	1)	190	600	1.2	●	3404.0048.24
3.5	125	125	1)	140	490	1.6	●	3404.0015.11
3.5	125	125	1)	140	490	1.6	●	3404.0015.22

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3.5	125	125	1)	140	490	1.6	●	3404.0015.24
4	125	125	1)	140	560	2.1	●	3404.0016.11
4	125	125	1)	140	560	2.1	●	3404.0016.22
4	125	125	1)	140	560	2.1	●	3404.0016.24
5	125	125	1)	140	700	2.9	●	3404.0017.11
5	125	125	1)	140	700	2.9	●	3404.0017.22
5	125	125	1)	140	700	2.9	●	3404.0017.24
6.3	125	125	1)	110	690	14	●	3404.0018.11
6.3	125	125	1)	110	690	14	●	3404.0018.22
6.3	125	125	1)	110	690	14	●	3404.0018.24
7	125	125	1)	105	740	16	●	3404.0019.11
7	125	125	1)	105	740	16	●	3404.0019.22
7	125	125	1)	105	740	16	●	3404.0019.24
8	125	125	1)	100	800	20	●	3404.0020.11
8	125	125	1)	100	800	20	●	3404.0020.22
8	125	125	1)	100	800	20	●	3404.0020.24
10	125	125	1)	80	800	54	●	3404.0021.11
10	125	125	1)	80	800	54	●	3404.0021.22
10	125	125	1)	80	800	54	●	3404.0021.24

 Most Popular.

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1) 100 A @ 125 VAC/DC

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.)