

Surface Mount Fuse, 7 x 2.54 mm, Quick-Acting F, 125 VAC, 125 VDC



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



Description

- High breaking capacity
- Directly solderable on printed circuit boards

Standards

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

Approvals

- UL File Number: E42088
- CSA File Number: 34549

Applications

- Telecom
- Industrial electronic
- Household appliances

References

Packaging Details

Round Solder Pads Type 172876

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

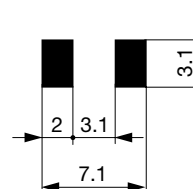
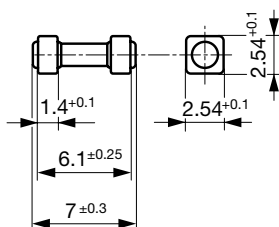
Technical Data

Rated Voltage	63 - 125 VAC, 65 - 125 VDC
Rated current	0.063 - 15 A
Breaking Capacity	300 A
Characteristic	Quick-Acting F
Mounting	PCB, SMT
Admissible Ambient Air Temp.	-55 °C to 85 °C
Climatic Category	55/085/56 acc. to IEC 60068-1
Material: Tube	Ceramic
Material: Endcaps	Tin-Plated Copper Alloy
Unit Weight	0.15 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Current

Soldering Methods	Reflow, Wave
Solderability	235 °C / 2 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

Dimension

7 mm

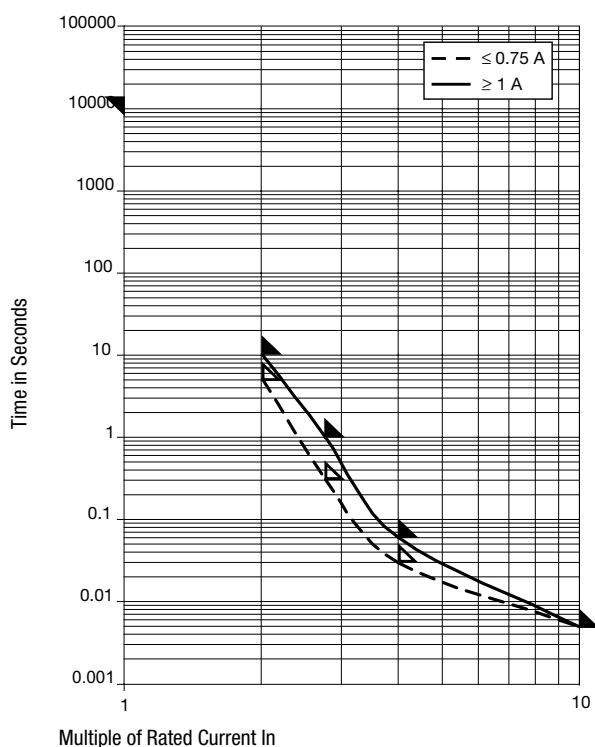


Soldering pads

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.	2.75 x In max.	4.0 x In max.	10.0 x In max.
0.063 A - 0.75 A	4 h	5 s	300 ms	30 ms	5 ms
1 A - 15 A	4 h	10 s	-	60 ms	5 ms

Time-Current-Curves



Variants

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 10.0 I _n typ. [A ² s]		Order Number
0.063	125	125	1)	505	32	0.00022	●	7010.9900.xx
0.125	125	125	1)	590	74	0.0024	●	7010.9901.xx
0.25	125	125	1)	235	59	0.0061	●	7010.9902.xx
0.375	125	125	1)	205	77	0.012	●	7010.9903.xx
0.5	125	125	1)	190	95	0.046	●	7010.9904.xx
0.75	125	125	1)	170	128	0.09	●	7010.9905.xx
1	125	125	1)	155	155	0.11	●	7010.9906.xx
1.5	125	125	1)	160	240	0.25	●	7010.9907.xx
2	125	125	1)	150	300	0.72	●	7010.9908.xx
2.5	125	125	1)	145	363	0.91	●	7010.9909.xx
3	125	125	1)	145	435	1.3	●	7010.9910.xx
3.5	125	125	1)	140	490	1.7	●	7010.9911.xx
4	125	125	1)	135	540	2.6	●	7010.9912.xx
5	63	125	2)	125	625	4	●	7010.9913.xx
7	63	125	2)	125	875	8.5	●	7010.9914.xx
10	65	65	3)	110	1100	31	●	7010.9915.xx
12	65	65	3)	110	1320	48	●	7010.9916.xx
15	65	65	3)	100	1500	92	●	7010.9917.xx

Most Popular.

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1) 300 A @ 125 VAC , p.f. ≥ 0.95 / 300 A @ 125 VDC

2) 300 A @ 63 VAC , p.f. ≥ 0.95 / 300 A @ 125 VDC

3) 300 A @ 65 VAC , p.f. ≥ 0.95 / 300 A @ 65 VDC

Packaging Unit

.xx = .03 Plastic Bag (100 pcs.)
 .xx = .55 Blister Tape 18 cm Reel (500 pcs.)
 .xx = .57 Blister Tape 18 cm Reel (1500 pcs.)

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.