Surface Mount Fuse, 3.2 x 1.55 mm, Super-Quick-Acting FF, 125 VAC, 125 VDC, 150 °C



UL 248-14 · 125 VAC · 125 VDC · Super-Quick-Acting FF

Description
- Max. ambient temperature 150 °C
- Hermetically sealed and robust construction
- Thin-film technology
- Impermeable to potting compound used to achieve hermetic seal for use in intrinsically safe applications according to ATEx and IECEx requirements.

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

Approvals
- UL File Number: E41599

Applications
- Medical equipment
- Military

References
Packaging Details

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

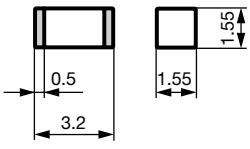
Rated Voltage	32 - 125 VAC, 125 VDC
Rated current	0.2 - 5 A
Breaking Capacity	50 A
Characteristic	Super-Quick-Acting FF
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-55 °C to 150 °C
Climatic Category	55/150/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Tin-Plated Nickel
Unit Weight	0.03 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

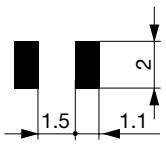
Soldering Methods	Reflow, Wave
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1
Life Test	MIL-STD-202, Method 108A 1000h @ 0.60 x In @ 70°C
Load Humidity Test	MIL-STD-202, Method 103B 0.1 x In @ 0.85 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)
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

Dimension

3.2 mm

Reflow soldering pads

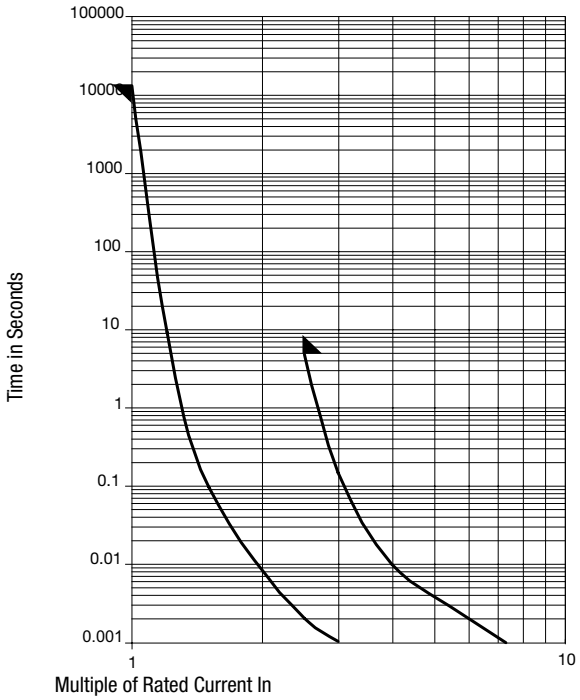




Pre-Arcing Time

Rated Current In	1.0 x In min.	2.5 x In max.
0.2 A - 5 A	4 h	5 s

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I²t 4.0 In typ. [A²s]	cULus	Order Number	
0.2	125	125	1)	258	1020	0.0008	●	3410.0021.xx	
0.25	125	125	1)	250	800	0.0009	●	3410.0022.xx	
0.375	125	125	1)	165	361	0.0037	●	3410.0025.xx	
0.5	125	125	1)	150	247	0.0042	●	3410.0027.xx	
0.75	125	125	1)	100	115	0.01	●	3410.0029.xx	
1	125	125	1)	124	98.7	0.035	●	3410.0031.xx	
1.5	125	125	1)	105	56	0.064	●	3410.0033.xx	
2	125	125	1)	98	39	0.089	●	3410.0035.xx	
2.5	125	125	1)	90	29.5	0.15	●	3410.0036.xx	
3	125	125	1)	88	24.1	0.18	●	3410.0037.xx	
4	63	125	2)	83.5	17	0.23	●	3410.0240.xx	
5	32	125	3)	90	13.5	0.45	●	3410.0141.xx	

Most Popular.

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

1) 50 A @ 125 VAC / 300 A @ 125 VDC

2) 50 A @ 63 VAC / 50 A @ 125 VDC / 300 A @ 32 VDC

3) 50 A @ 32 VAC / 50 A @ 125 VDC / 300 A @ 32 VDC

Packaging Unit

.xx = .01 Blister Tape of 100 pcs. in Plastic Bag
.xx = .02 Blister Tape 18 cm Reel (750 pcs.)
.xx = .03 Blister Tape 33 cm Reel (3000 pcs.)
.xx = .04 Blister Tape 33 cm Reel (10000 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.