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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [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 Soldering Profile
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)

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

Dimension

3.2 mm

Reflow soldering pads

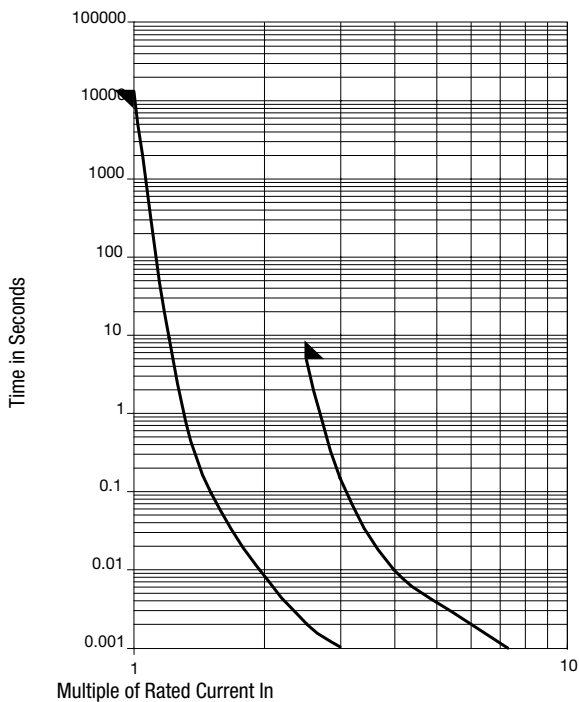


Pre-Arcing Time

Rated Current I_n 1.0 x I_n min. 2.5 x I_n max.


0.2 A - 5 A	4 h	5 s
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Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Cold Resistance typ. [$m\Omega$]	Melting I^2t 4.0 I_n typ. [A^2s]		Order Number
0.2	125	125	1)	258	1020	0.0008	●	3410.0021.01
0.2	125	125	1)	258	1020	0.0008	●	3410.0021.02
0.2	125	125	1)	258	1020	0.0008	●	3410.0021.03
0.2	125	125	1)	258	1020	0.0008	●	3410.0021.04
0.25	125	125	1)	250	800	0.0009	●	3410.0022.01
0.25	125	125	1)	250	800	0.0009	●	3410.0022.02

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I ² t 4.0 In typ. [A ² s]		Order Number
0.25	125	125	1)	250	800	0.0009	●	3410.0022.03
0.25	125	125	1)	250	800	0.0009	●	3410.0022.04
0.375	125	125	1)	165	361	0.0037	●	3410.0025.01
0.375	125	125	1)	165	361	0.0037	●	3410.0025.02
0.375	125	125	1)	165	361	0.0037	●	3410.0025.03
0.375	125	125	1)	165	361	0.0037	●	3410.0025.04
0.5	125	125	1)	150	247	0.0042	●	3410.0027.01
0.5	125	125	1)	150	247	0.0042	●	3410.0027.02
0.5	125	125	1)	150	247	0.0042	●	3410.0027.03
0.5	125	125	1)	150	247	0.0042	●	3410.0027.04
0.75	125	125	1)	100	115	0.01	●	3410.0029.01
0.75	125	125	1)	100	115	0.01	●	3410.0029.02
0.75	125	125	1)	100	115	0.01	●	3410.0029.03
0.75	125	125	1)	100	115	0.01	●	3410.0029.04
1	125	125	1)	124	98.7	0.035	●	3410.0031.01
1	125	125	1)	124	98.7	0.035	●	3410.0031.02
1	125	125	1)	124	98.7	0.035	●	3410.0031.03
1	125	125	1)	124	98.7	0.035	●	3410.0031.04
1.5	125	125	1)	105	56	0.064	●	3410.0033.01
1.5	125	125	1)	105	56	0.064	●	3410.0033.02
1.5	125	125	1)	105	56	0.064	●	3410.0033.03
1.5	125	125	1)	105	56	0.064	●	3410.0033.04
2	125	125	1)	98	39	0.089	●	3410.0035.01
2	125	125	1)	98	39	0.089	●	3410.0035.02
2	125	125	1)	98	39	0.089	●	3410.0035.03
2	125	125	1)	98	39	0.089	●	3410.0035.04
2.5	125	125	1)	90	29.5	0.15	●	3410.0036.01
2.5	125	125	1)	90	29.5	0.15	●	3410.0036.02
2.5	125	125	1)	90	29.5	0.15	●	3410.0036.03
2.5	125	125	1)	90	29.5	0.15	●	3410.0036.04
3	125	125	1)	88	24.1	0.18	●	3410.0037.01
3	125	125	1)	88	24.1	0.18	●	3410.0037.02
3	125	125	1)	88	24.1	0.18	●	3410.0037.03
3	125	125	1)	88	24.1	0.18	●	3410.0037.04
4	63	125	2)	83.5	17	0.23	●	3410.0240.01
4	63	63	2)	83.5	17	0.23	●	3410.0240.02
4	63	63	2)	83.5	17	0.23	●	3410.0240.03
4	63	63	2)	83.5	17	0.23	●	3410.0240.04
5	32	125	3)	90	13.5	0.45	●	3410.0141.01
5	32	32	3)	90	13.5	0.45	●	3410.0141.02
5	32	32	3)	90	13.5	0.45	●	3410.0141.03
5	32	32	3)	90	13.5	0.45	●	3410.0141.04

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.)