

## Surface Mount Fuse, 3.2 x 1.6 mm



UL 248-14 · 125 VAC · 125 VDC · Super-Quick-Ac-

**Description**

- Max. ambient temperature 125 °C
- Rated Voltage up to 125 VAC/DC
- Directly solderable on printed circuit boards

**Standards**

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

**Approvals**

- UL File Number: E41599

**Applications**

- Medical equipments
- Military

**References**

[General Product Information](#)

Time-Current Curves see last page

[Packaging Details](#)

**Weblinks**

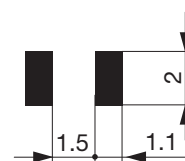
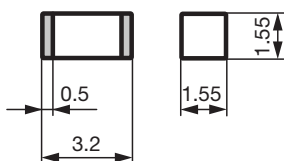
Approvals: <http://www.schurter.com/approvals>

RoHS: <http://www.schurter.com/rohs>

**Technical Data**

Rated Voltage	32 - 125 VAC, 32 - 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 °C / 10 sec acc. to IEC 60068-2-58, Test Td
Life Test	MIL-STD-202, Method 108A (1000h @ 0.70*In @ 70°C)
Load Humidity Test	MIL-STD-202, Method 103B (1000h @ 0.1*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)

**Dimensions**Length  3.2 mm

Solder 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

## Variants

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

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

2) 50 A @ 63 VAC / 50 A @ 63 VDC

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

## Packaging Unit

.xx = .01 Blister Tape (100 pcs.)

.xx = .02 Blister Tape 18 cm Reel (750 pcs.)

.xx = .03 Blister Tape 18 cm Reel (3000 pcs.)

.xx = .04 Blister Tape 33 cm Reel (10000 pcs.)

MGA

