

Surface Mount Fuse, 1.6 x 0.8 mm, Super-Quick-Acting FF, 32 VAC, 63 VDC



UL 248-14 · 32 VAC · 63 VDC · Super-Quick-Acting FF

**Description**

- UL characteristic
- Low melting I<sup>2</sup>t-values, fast interruption

**Standards**

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

**Approvals**

- UL File Number: E41599

**Applications**

- Secondary Protection DC and AC
- Circuits without inrush
- Semiconductor protection

**References**

[Packaging Details](#)

**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](#)

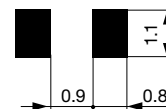
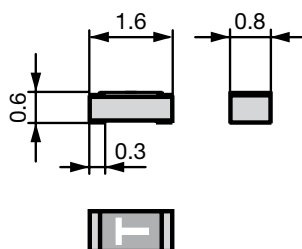
**Technical Data**

Rated Voltage	32 VAC, 63 VDC
Rated current	0.5 - 5 A
Breaking Capacity	50 A
Characteristic	Super-Quick-Acting FF
Mounting	PCB, SMT
Admissible Ambient Air Temp.	-55 °C to 90 °C
Climatic Category	55/090/21 acc. to IEC 60068-1
Material: Housing	Epoxyd Glass, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.0016 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Letter (see variants)

Soldering Methods	Reflow
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
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)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

**Dimensions**

H 1.6 mm




Soldering pads

**Pre-Arcing Time**Rated Current I<sub>n</sub>    1.0 x I<sub>n</sub> min.    2.0 x I<sub>n</sub> max.

0.5 A - 5 A	4 h	60 s
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## Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I <sup>2</sup> t 8.0 In typ. [A <sup>2</sup> s]		Order Number
0.5	32	63	F	1)	120	101	157	0.02	●	3412.0113.xx
0.75	32	63	G	1)	120	100	90	0.04	●	3412.0114.xx
1	32	63	H	1)	120	98	75	0.06	●	3412.0115.xx
1.5	32	63	K	1)	120	73	44	0.14	●	3412.0117.xx
2	32	32	N	1)	120	70	27.5	0.25	●	3412.0119.xx
2.5	32	32	O	1)	120	75	23.5	0.4	●	3412.0120.xx
3	32	32	P	1)	120	80	18.6	0.58	●	3412.0121.xx
3.5	32	32	R	1)	120	85	16	0.8	●	3412.0122.xx
4	32	32	S	1)	120	80	12.5	1.1	●	3412.0123.xx
5	32	32	T	1)	120	70	10	1.5	●	3412.0124.xx

1) 50 A @ 32 VAC, p.f. ≥ 0.95 / 50 A @ 32 VDC

## Packaging Unit

.xx = .11 Blister Tape (100 pcs.)  
 .xx = .22 Blister Tape 18 cm Reel (1000 pcs.)  
 .xx = .24 Blister Tape 18 cm Reel (5000 pcs.)  
 .xx = .26 Blister Tape 33 cm Reel (15000 pcs.)

## Time-Current-Curves

