

Surface Mount Fuse, 3.2 x 1.6 mm, Quick-Acting F, 32 VAC, 63 VDC

new



IEC 60127-4 · 32 VAC · 63 VDC · Quick-Acting F

**Description**

- IEC characteristic
- High melting I²t-values
- Directly solderable on printed circuit boards

Standards

- IEC 60127-4/2
- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- VDE License Number: 40017666
- UL File Number: E41599

Applications

- Secondary Protection DC and AC
- Semiconductor Protection
- Computer & Peripherals

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>
CHINA-RoHS: <http://www.schurter.com/china-rohs>
Webstore: <http://www.schurterinc.com/estore/search.ihml>
Stock-Check: <https://sapportal.schurter.ch:8888/irj/portal/anonymous>

Technical Data

Rated Voltage	32 VAC, 63 VDC
Rated Current	0.5 - 6.3 A
Breaking Capacity	63 A
Characteristic	Quick-Acting F
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
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	0.006 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 °C / 10 sec acc. to IEC 60068-2-58, Test Td
Life Test	MIL-STD-202, Method 108A (1000h @ 0.42*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)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50gn, half sine wave, 11 ms)
Vibration, High Frequency	MIL-STD-202, Method 204D (Shock 20 gn, 20 min, 10-2 kHz, 12 cyc.)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

Dimensions

Length \perp 3.2 mm



Solder pads

Pre-Arcing Time

Rated Current In 1.25 x In min 2.0 x In max 10.0 x In min 10.0 x In max

0.5 A - 6.3 A 60 min 120 s 1 ms 10 ms

Variants

[Stock-Check](#) | [Web-](#)

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 ² t 10.0 Intyp. [A ² s]				Order Number
0.5	32	63	e	1)	600	201	330	0.041	●	●	●	3413.0213.xx
0.63	32	63	f	1)	500	170	230	0.076	●	●	●	3413.0214.xx
0.8	32	63	g	1)	400	110	116	0.18	●	●	●	3413.0215.xx
1	32	63	h	1)	300	108	94.2	0.2	●	●	●	3413.0216.xx
1.25	32	63	i	1)	300	96.3	67	0.31	●	●	●	3413.0217.xx
1.6	32	63	k	1)	300	94.5	50.5	0.33	●	●	●	3413.0218.xx
2	32	63	m	1)	300	80.2	33.9	0.79	●	●	●	3413.0219.xx
2.5	32	63	n	1)	300	78.8	25.3	0.94	●	●	●	3413.0220.xx
3.15	32	63	q	1)	300	65.5	17.2	1.44	●	●	●	3413.0221.xx
4	32	63	r	1)	300	62.8	12.5	2.74	●	●	●	3413.0222.xx
5	32	63	s	1)	300	61.6	9.6	4.65	●	●	●	3413.0223.xx
6.3	32	63	t	1)	300	55.3	7.1	4.84	●	●	●	3413.0224.xx

1) 63 A @ 32 VAC, p.f. ≥ 0.95 / 63 A @ 63 VDC

Packaging Unit

- .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

