

SMD Fuse, 3.2 x 1.6 mm, Time-Lag T, 32 VAC, 63 VDC



Exemplary part photo depending on
part no.

UL 248-14 · 32 VAC · 63 VDC · Time-Lag T



Description

- UL characteristic
- High melting I²t-values
- High current ratings up to 25 A
- Impermeable to potting compound

Standards

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

Approvals

- UL File Number: E41599

Applications

- Secondary Protection DC and AC
- Circuits with inrush
- LCD Backlight DC-AC Inverter

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 VAC, 63 VDC
Rated current	7 - 25 A
Breaking Capacity	100 A - 600 A
Characteristic	Time-Lag T
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	Copper, Ni/Au-plated
Unit Weight	0.006 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Letter (see variants)

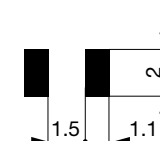
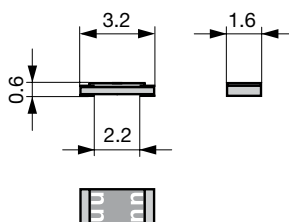
Soldering Methods	Reflow Soldering Profile
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202, 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	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](#)

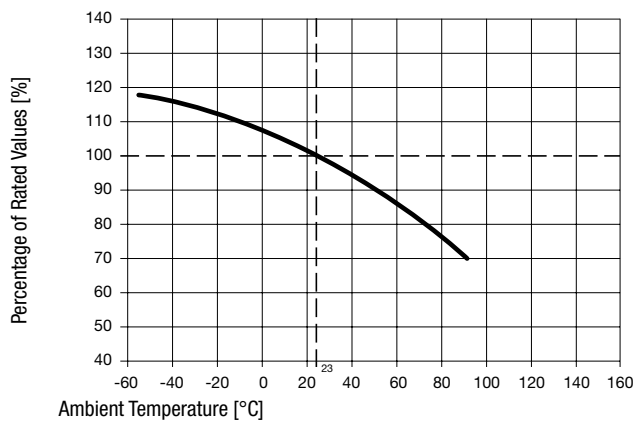
Dimension

3.2 mm

Reflow soldering pads



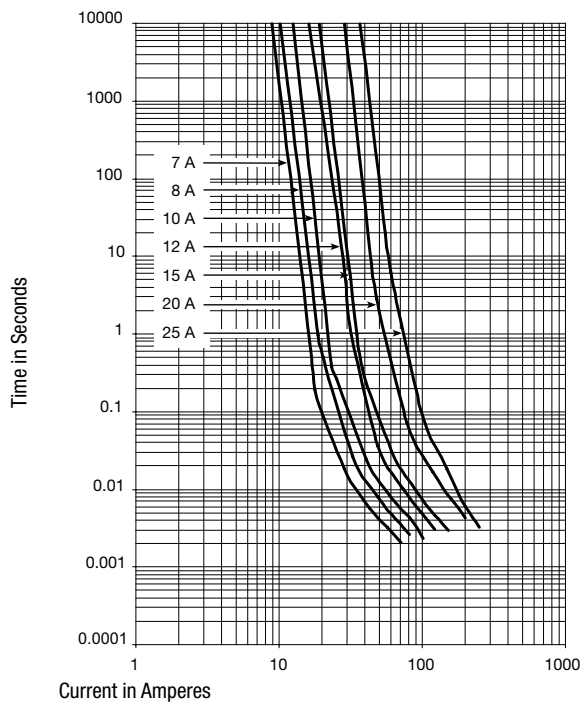
Derating Curves



Pre-Arcing Time

Rated Current In	1.0 x In min.	2.5 x In max.	10.0 x In min.	10.0 x In max.
7 A - 25 A	4 h	5 s	1 ms	10 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I²t 8.0 In typ. [A²s]		Order Number
7	32	63	mm	1)	73	8.7	8.7	●	3413.0326.11
7	32	63	mm	1)	73	8.7	8.7	●	3413.0326.22
7	32	63	mm	1)	73	8.7	8.7	●	3413.0326.24
7	32	63	mm	1)	73	8.7	8.7	●	3413.0326.26
8	32	63	nn	1)	60	6.7	14	●	3413.0327.11
8	32	63	nn	1)	60	6.7	14	●	3413.0327.22
8	32	63	nn	1)	60	6.7	14	●	3413.0327.24

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I ² t 8.0 In typ. [A ² s]		Order Number
8	32	63	nn	1)	60	6.7	14	●	3413.0327.26
10	32	63	oo	1)	69	5.5	21	●	3413.0328.11
10	32	63	oo	1)	69	5.5	21	●	3413.0328.22
10	32	63	oo	1)	69	5.5	21	●	3413.0328.24
10	32	63	oo	1)	69	5.5	21	●	3413.0328.26
12	32	63	pp	1)	63	3.9	33	●	3413.0329.11
12	32	63	pp	1)	63	3.9	33	●	3413.0329.22
12	32	63	pp	1)	63	3.9	33	●	3413.0329.24
12	32	63	pp	1)	63	3.9	33	●	3413.0329.26
15	32	63	qq	1)	57	3.5	65	●	3413.0330.11
15	32	63	qq	1)	57	3.5	65	●	3413.0330.22
15	32	63	qq	1)	57	3.5	65	●	3413.0330.24
15	32	63	qq	1)	57	3.5	65	●	3413.0330.26
20	32	63	rr	1)	53	2.7	110	●	3413.0331.11
20	32	63	rr	1)	53	2.7	110	●	3413.0331.22
20	32	63	rr	1)	53	2.7	110	●	3413.0331.24
20	32	63	rr	1)	53	2.7	110	●	3413.0331.26
25	32	63	ss	1)	48	2.1	220	●	3413.0332.11
25	32	63	ss	1)	48	2.1	220	●	3413.0332.22
25	32	63	ss	1)	48	2.1	220	●	3413.0332.24
25	32	63	ss	1)	48	2.1	220	●	3413.0332.26

Most Popular.

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

1) UL: 100 A @ 63 VDC, 100 A @ 32 VAC, 150 A @ 24 VAC/DC. Additional internal testing: 400 A @ 12 VDC, 600 A @ 9 VDC

Exception: 20 A and 25 A variants are not halogen free

Packaging Unit	.xx = .11 Blister Tape of 100 pcs. in Plastic Bag
	.xx = .22 Blister Tape 18 cm Reel (1000 pcs.)
	.xx = .24 Blister Tape 25.4 cm Reel (5000 pcs.)
	.xx = .26 Blister Tape 33 cm Reel (15000 pcs.)