

Surface Mount Fuse, 10.1 x 3 mm, Time-Lag T, 250 VAC, 125 VDC



IEC 60127-4 · 250 VAC · 125 VDC · Time-Lag T



Description

- IEC Standard Fuse
- High Breaking Capacity

Standards

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

Approvals

- VDE License Number: 40013121
- UL File Number: E41599 (cURus), E300707 (UL)

Applications

- Primary Protection on SMD PCB
- Industrial electronic
- Medical equipments

References

[General Product Information](#)
 Time-Current Curves see last page
 Fuse Kit [UMT Sicherungen](#)
[Packaging Details](#)

Weblinks

Approvals: www.schurter.com/approvals
 RoHS: <http://www.schurter.com/rohs>
 CHINA-RoHS: www.schurter.com/china-rohs
 Webstore: www.schurterinc.com/estore/search.ihtml

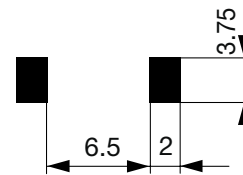
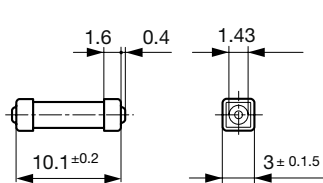
Technical Data

Rated Voltage	250 VAC, 125 VDC
Rated Current	0.08 - 6.3 A
Breaking Capacity	35 A - 200 A
Characteristic	Time-Lag T
Mounting	PCB, SMT
Admissible Ambient Air Temp.	-55 °C to 125 °C
Climatic Category	55/125/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	0.23 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	M, Current Rating, Voltage Rating, Characteristic, Breaking Capacity

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 @ 0.42*ln @ 70°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)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50gn, half sine wave, 11 ms)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

Dimensions

Length 10.1 mm









Solder pads

Pre-Arcing Time

Rated Current I _n	1.0 x I _n min.	1.25 x I _n min.	2.0 x I _n max.	10.0 x I _n min.	10.0 x I _n max.
0.08 A - 6.3 A	-	60 min	120 s	10 ms	100 ms

Variants

Webstore

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.25 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]	     	Order Number
0.08	250	125	1)	1300	850	200	0.025	● ●	3403.0155.xx
0.315	250	125	1)	750	343	500	0.27	● ● ● ● ●	3403.0161.xx
0.4	250	125	1)	700	290	500	0.4	● ● ● ● ●	3403.0162.xx
0.5	250	125	1)	600	257	500	0.54	● ● ● ● ●	3403.0163.xx
0.63	250	125	1)	500	216	500	1.1	● ● ● ● ●	3403.0164.xx
0.8	250	125	1)	400	190	500	1.4	● ● ● ● ●	3403.0165.xx
1	250	125	2)	300	164	500	2.8	● ● ● ● ●	3403.0166.xx
1.25	250	125	2)	300	138	1000	4.5	● ● ● ● ● ●	3403.0167.xx
1.6	250	125	2)	300	124	1000	6.9	● ● ● ● ● ●	3403.0168.xx
2	250	125	2)	300	102	1000	7.3	● ● ● ● ● ●	3403.0169.xx
2.5	250	125	2)	300	124	1200	7.5	● ● ● ● ● ●	3403.0170.xx
3.15	250	125	2)	300	99	1500	14	● ● ● ● ● ●	3403.0171.xx
4	250	125	2)	300	78	2000	26	● ● ● ● ● ●	3403.0172.xx
5	250	125	3)	300	76	2500	38	● ● ● ● ●	3403.0173.xx
6.3	250	125	3)	300	71	3000	66	● ● ● ● ●	3403.0174.xx

1) IEC: 200 A @ 250 VAC, p.f. ≥ 0.95 / 100 A @ 125 VDC

1) UL: 200 A @ 277 VAC / 100 A @ 125 VDC / 35 A @ 250 VDC / 200 A @ 63 VAC/DC

2) IEC: 200 A @ 250 VAC, p.f. ≥ 0.95 / 100 A @ 125 VDC

2) UL: 200 A @ 277 VAC / 100 A @ 125 VDC / 35 A @ 250 VDC / 200 A @ 63 VAC/DC

2) PSE: 100 A @ 250 VAC / 100 A @ 125 VDC

3) IEC: 100 A @ 250 VAC, p.f. ≥ 0.95 / 100 A @ 125 VDC

3) UL: 100 A @ 250 VAC / 100 A @ 125 VDC / 35 A @ 250 VDC / 200 A @ 63 VAC/DC

0.1 A, 0.125 A, 0.16 A, 0.2 A, 0.25 A (on request/auf Anfrage)

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)

.xx = .24 Blister Tape 33 cm Reel (2000 pcs.)

Time-Current Curves

