Surface Mount Fuse, 5.3 x 16 mm, Time-Lag T, 277 VAC / 250 VDC, Breaking Capacity 1500 A

new



UL 248-14 · 277 VAC · 250 VDC · Time-Lag T

Description
- High breaking capacity of 1500 A
- UL approval up to 277 VAC and 250 VDC
- Compact design

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

Approvals
- VDE Certificate Number: approval pending
- UL File Number: E41599

Applications
- Primary protection on SMD PCBs
- Industrial electronic
- Sensors
- Power supplies
- Explosion protection
- Lighting

References
Packaging Details

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

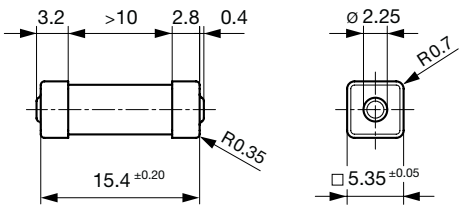
Technical Data

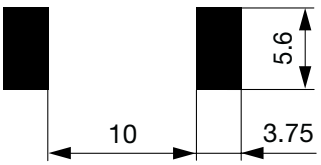
Rated Voltage	250 - 277 VAC, 125 - 250 VDC
Rated current	0.16 - 10 A
Breaking Capacity	1500 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-55 °C to 125 °C
Climatic Category	55/125/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Ni/Sn-Plated Copper Alloy
Unit Weight	1.42 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	S, Current, Voltage, Characteristic, Breaking Capacity, Approvals

Soldering Methods	Reflow
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-58
Life Test	1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1)
Moisture Resistance Test	MIL-STD-202, Method 106E (acc. to EIA/IS-722, Test 4.4.3)
Terminal Strength	(Deflection of board 1 mm for 1 minute) (acc. to EIA/IS-722, Test 4.5.5)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)
Resistance to Solvents	MIL-STD-202, Method 215A (EIA-722, 4.11)

Dimension

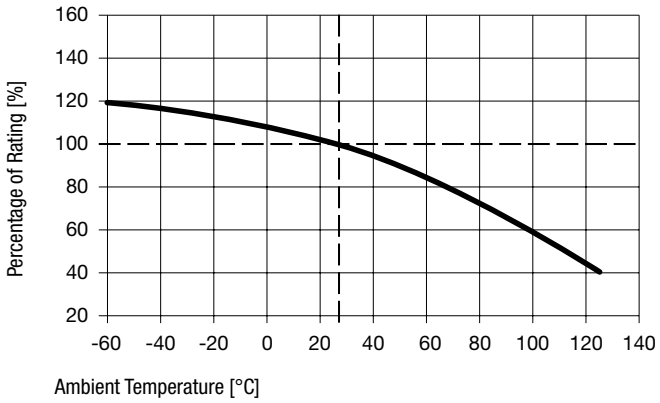
16 mm





Soldering pads

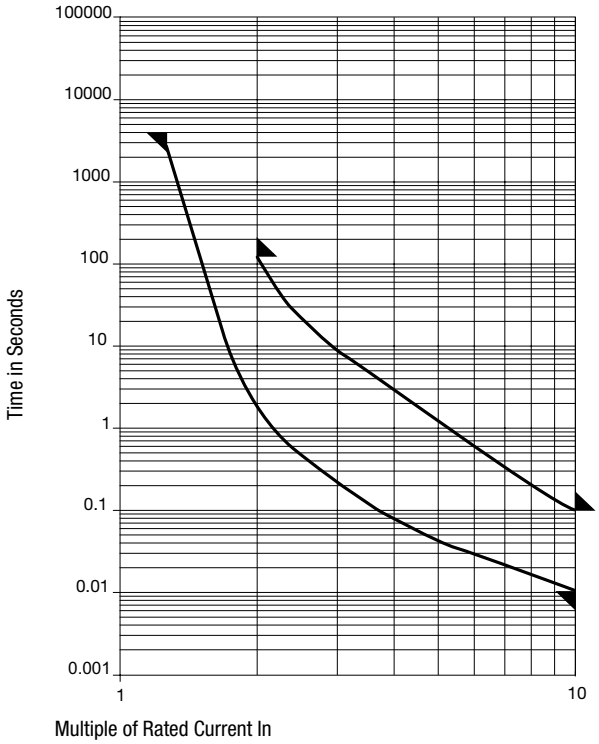
Derating Curves



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.
0.063 A - 10 A	60 min	120 s	10 ms	100 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.25 I_n typ. [mW]	Melting I^2t 10.0 Intyp. [A^2s]	VDE	cULus	Order Number
0.16	277	250	1)	1520	410	0.045		●	3403.0266.xx
0.2	277	250	1)	1230	415	0.095		●	3403.0267.xx
0.25	277	250	1)	1000	425	0.17		●	3403.0268.xx
0.315	277	250	1)	805	435	0.265		●	3403.0269.xx
0.4	277	250	1)	715	490	0.33		●	3403.0270.xx
0.5	277	250	1)	650	590	0.45		●	3403.0271.xx
0.63	277	250	1)	540	595	1.1		●	3403.0272.xx
0.8	277	250	1)	460	635	2.1		●	3403.0273.xx
1	277	250	1)	405	710	3.44		●	3403.0274.xx
1.25	277	250	1)	325	750	3.12		●	3403.0275.xx
1.6	277	250	1)	270	785	5.4		●	3403.0276.xx
2	277	250	1)	220	795	11.8		●	3403.0277.xx
2.5	277	125	2)	210	980	21		●	3403.0278.xx
3.15	277	125	2)	190	1060	43		●	3403.0279.xx
4	277	125	2)	140	1070	48		●	3403.0280.xx
5	277	125	2)	115	1080	99		●	3403.0281.xx
6.3	277	125	2)	100	1160	165	●	●	3403.0282.xx
8	250	125	3)	75	1220	125		●	3403.0283.xx
10	250	125	3)	73	1320	198		●	3403.0284.xx

Most Popular.

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

1) 1500 A @ 277 VAC, resistive / 1500 A @ 250 VDC

2) 1500 A @ 277 VAC, resistive / 1500 A @ 125 VDC

3) 1500 A @ 250 VAC, resistive / 1500 A @ 125 VDC

Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)
.xx = .23 Blister Tape 33 cm Reel (1500 pcs.)

16.09.2014

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.