

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

new



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



Description

- High breaking capacity of 1500 A
- UL approval for 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

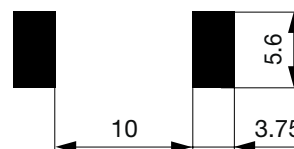
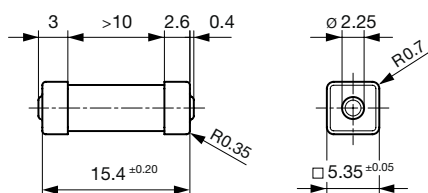
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	277 VAC, 250 VDC
Rated current	0.16 - 2A
Breaking Capacity	1500A
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	□, Current, Voltage, Characteristic, Breaking Capacity, Approvals

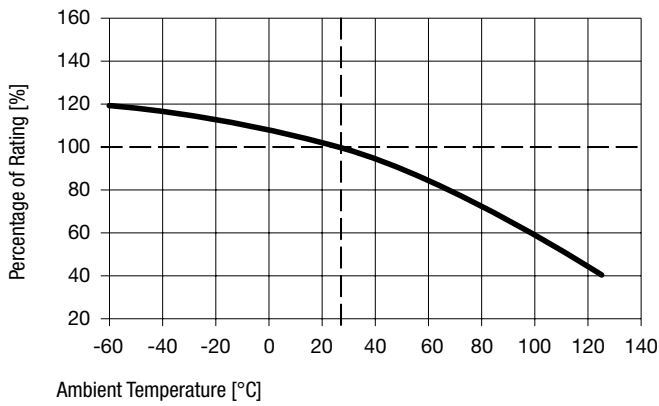
Soldering Methods	Reflow
Solderability	245 °C / 3sec acc. to IEC 60068-2-58
Resistance to Soldering Heat	260 °C / 10sec acc. to IEC 60068-2-58
Life Test	1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1)
Moisture Resistance Test	MIL-STD-202, Method 106E (acc. to EIA/IS-722, Test 4.4.3)
Terminal 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)

Dimensions



Soldering pads

Derating Curves




Pre-Arcing Time

Rated Current I_n 1.25 x I_n min. 2.0 x I_n max. 10.0 x I_n min. 10.0 x I_n max.

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

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.25 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A ² s]	 US	Order Number
0.16	277	250	1)	1520	410	0.045	●	3403.0266.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
2	277	250	1)	220	795	11.8	●	3403.0277.xx

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

Other current ratings are available on request.

Packaging Unit

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

Time-Current-Curves

