Surface Mount Fuse, 5 x 20 mm, Super-Time-Lag TT, L, 250 VAC, Au plating



UL 248-14 · 250 VAC · Super-Time-Lag TT

See below:

Approvals and Compliances

Description

- Directly solderable on printed circuit boards

pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product, Microsite

Technical Data				
Rated Voltage	250 VAC			
Rated current	0.16 - 4A			
Breaking Capacity	35A			
Characteristic	Super-Time-Lag TT			
Mounting	PCB,SMT			
Admissible Ambient Air Temp.	-55 °C to 125 °C			
Climatic Category	55/125/21 acc. to IEC 60068-1			
Material: Housing	Glass			
Material: Terminals	Gold-Plated Copper Alloy			
Unit Weight	1.11 g			
Storage Conditions	0°C to 60°C, max. 70% r.h.			
Product Marking	Rated current, Rated Voltage, Cha-			
	racteristic, Breaking Capacity			

Reflow
Soldering Profile
245°C / 3 sec acc. to IEC 60068-2-58,
Test Td
260°C / 10 sec acc. to IEC 60068-2-58,
Test Td
MSL 1, J-STD-020
acc. to EIA/IS-722, Test 4.7
$>$ 100 M Ω (between leeds and body)
min. UL 94V-1
(acc. to EIA/IS-722, Test 4.12)
acc. to IEC 60068-2-6, test Fc
MIL-STD-202, Method 106
(50 cycles in a temp./mister chamber)
MIL-STD-202, Method 107D
(200 air-to-air cycles from -55 to
+125°C)
MIL-STD-202, Method 108
(1000h @ 0.42*In @ 70°C)
MIL-STD-202, Method 103
0.1 x ln @ 0.85 r.H. @ 85°C
MIL-STD-202, Method 215
MIL-STD-202, Method 211A
(Deflection of board 1 mm for 1 minute)

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products. Approval Reference Type: SMD-FTT 5x20

Approval Logo	Certificates	Certification Body	Description
c FL °us	UL Approvals	UL	UR File Number: E41599

SMD-FTT 5x20

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
(UL)	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
GB CSA	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses



Application standards

Application standards where the product can be used

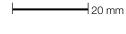
Organization	Design	Standard	Description
<u>IEC</u>	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

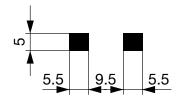
Compliances

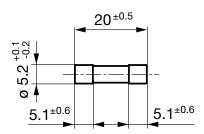
The product complies with following Guide Lines

Identification	Details	Initiator	Description
C€	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UK CA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
5	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]





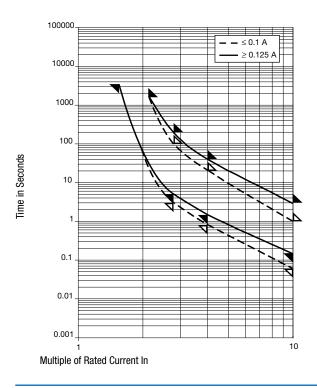


Soldering pads

Pre-Arcing Time

Rated Current In	1.5 x ln min.	2.1 x ln max.	2.75 x In min.	2.75 x In max.	4.0 x In min.	4.0 x In max.	10.0 x In min.	10.0 x In max.
0.16 A - 4 A	60 min	30 min	5 s	200 s	1.5 s	40 s	150 ms	3 s

Time-Current-Curves



All Variants

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Breaking Capacity	Voltage Drop 1.0 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]	Order Number
0.16	250	1)	2000	450	300	1 •	0034.5705.11
0.16	250	1)	2000	450	300	1 •	0034.5705.22
0.2	250	1)	1500	400	330	1.73 ●	0034.5706.11
0.2	250	1)	1500	400	330	1.73 ●	0034.5706.22
0.25	250	1)	1200	330	350	2.53 ●	0034.5707.11
0.25	250	1)	1200	330	350	2.53 ●	0034.5707.22
0.315	250	1)	1000	300	360	4.17 ●	0034.5708.11
0.315	250	1)	1000	300	360	4.17 ●	0034.5708.22
0.4	250	1)	900	225	400	5.2 ●	0034.5709.11
0.4	250	1)	900	225	400	5.2 ●	0034.5709.22
0.5	250	1)	800	250	440	7.9 ●	0034.5710.11
0.5	250	1)	800	250	440	7.9 ●	0034.5710.22
0.63	250	1)	700	200	470	13.7 ●	0034.5711.11
0.8	250	1)	500	160	540	19.6 ●	0034.5712.11
0.8	250	1)	500	160	540	19.6 ●	0034.5712.22
1	250	1)	250	150	540	19.4 ●	0034.5713.11
1	250	1)	250	150	540	19.4 ●	0034.5713.22
1.25	250	1)	200	105	350	63 ●	0034.5714.11
1.25	250	1)	200	105	350	63 ●	0034.5714.22
1.6	250	1)	200	100	650	87 ●	0034.5715.11
1.6	250	1)	200	100	650	87 ●	0034.5715.22
2	250	1)	200	100	800	124 ●	0034.5716.11
2	250	1)	200	100	800	124 ●	0034.5716.22
2.5	250	1)	150	90	850	258 ●	0034.5717.11
2.5	250	1)	150	90	850	258 ●	0034.5717.22
3.15	250	1)	100	90	1000	395 ●	0034.5718.11
3.15	250	1)	100	90	1000	395 ●	0034.5718.22
4	250	1)	100	80	1150	410 ●	0034.5719.11

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Breaking Capacity	Voltage Drop 1.0 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissi- pation 1.5 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. _c \ \ [A ² s]	Order Number
4	250	1)	100	80	1150	410 ●	0034.5719.22

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

1) 35 A @ 250 VAC, $\cos\phi$ = 0.99 - 1

Packaging Unit	.xx = .11	100 pcs. in ESD-plastic bag
acc. IEC 60286-3 Type 3	.xx = .22	1000 pcs. in tape [W: 32mm and P1: 8mm] on reel [A: 33cm]