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	See below: Approvals and Compliances					
Description - UL characteristic - High melting I ² t-values - High current ratings up to 3	35 A	Applications Secondary Protection DC and AC Circuits with inrush LCD Backlight DC-AC Inverter 					
- Impermeable to potting cor	npound	Weblinks pdf data sheet, html datasheet, General Product Information, Distributo Stock-Check, Detailed request for product, Microsite					
Technical Data							
Rated Voltage	32 VAC, 63 VDC	Soldering Methods	Reflow				
Rated current	7 - 35A		Soldering Profile				
Breaking Capacity	Breaking Capacity 100 A - 800 A		245 °C / 3 sec acc. to IEC 60068-2-58,				
Characteristic	Time-Lag T		Test Td				
Mounting	PCB,SMT	Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JE-				
Admissible Ambient Temp.	-55 °C to 90 °C		DEC J-STD-020D, Level 1				
Climatic Category	55/090/21 acc. to IEC 60068-1	Moisture Sensitivity Level	MSL 1, J-STD-020 acc. to EIA/IS-722, Test 4.7				
Material: Housing	Fiber-reinforced plastic, UL 94V-0	Case Resistance					
Material: Terminals	Copper, Ni/Au-plated	Flammability	UL 94V-1				
Unit Weight	0.006 g	Damp heat, steady state	MIL-STD-202, Method 103				
Storage Conditions	0 °C to 60 °C, max. 70% r.h.	Moisture Sensitivity Level	MIL-STD-202, Method 106				
Product Marking	Letter (see variants)	Thermal Shock	MIL-STD-202, Method 107				
	· · ·	Operational Life	MIL-STD-202, Method 108 Condition D				
		Vibration, High Frequency	MIL-STD-202, Method 204 Condition D				
		Mechanical Shock	MIL-STD-202, Method 213 Condition F				
		Resistance to Solvents MIL-STD-202, Method 215					

Approvals and Compliances

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

Temperature Cycling

Terminal Strength

Board Flex

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: UST 1206

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

JESD22, Method JA-104 Condition G

AEC-Q200-005

AEC-Q200-006

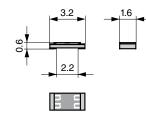
UST 1206

Organization	Design	Standard	Description
ΨL)	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
CSA Group	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses
Application sta	ndards		
Application standa	ards where the product can be used		
Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
•	olies with following Guide Lines		
Identification	olies with following Guide Lines Details CE declaration of conformity	Initiator SCHURTER AG	Description The CE marking declares that the product complies with the applicable
The product comp Identification	Details		
The product comp	Details		The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on
The product comp Identification	Details 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. The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC)
The product comp Identification	Details CE declaration of conformity UKCA 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. The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.

Dimension [mm]

🛏 3.2 mm

Reflow soldering pads





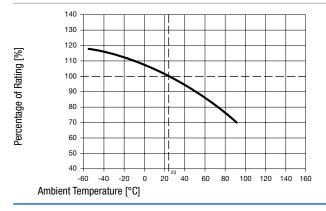
UST 1206 ≤ 25 A

Reflow soldering pads



UST 1206 > 25 A

Derating Curves

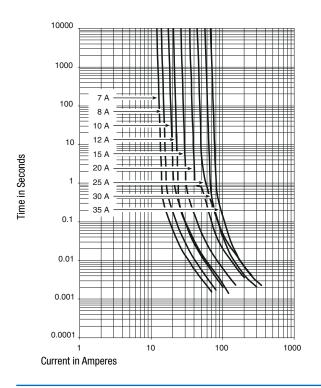


Pre-Arcing Time

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 - 35 A	4 h	5 s	1 ms	10 ms

Time-Current-Curves



Variants

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Rated Vol- tage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 I _n typ. [mV]	Cold Resi- stance typ. [mΩ]	Melting I²t 8.0 I _n typ. [A²s]	c 91 °us	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	٠	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	٠	3413.0326.26
8	32	63	nn	1)	60	6.7	14	٠	3413.0327.11
8	32	63	nn	1)	60	6.7	14	٠	3413.0327.22
8	32	63	nn	1)	60	6.7	14	٠	3413.0327.24
8	32	63	nn	1)	60	6.7	14	٠	3413.0327.26

UST 1206

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Rated Vol- tage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 I _n typ. [mV]	Cold Resi- stance typ. [mΩ]	Melting I²t 8.0 I _n typ. [A²s]	c 911 us	Order Number
10	32	63	00	1)	69	5.5	21	•	3413.0328.11
10	32	63	00	1)	69	5.5	21	٠	3413.0328.22
10	32	63	00	1)	69	5.5	21	٠	3413.0328.24
10	32	63	00	1)	69	5.5	21	٠	3413.0328.26
12	32	63	рр	1)	63	3.9	33	٠	3413.0329.11
12	32	63	рр	1)	63	3.9	33	٠	3413.0329.22
12	32	63	рр	1)	63	3.9	33	٠	3413.0329.24
12	32	63	рр	1)	63	3.9	33	٠	3413.0329.26
15	32	63	qq	1)	57	3.5	65	٠	3413.0330.11
15	32	63	qq	1)	57	3.5	65	٠	3413.0330.22
15	32	63	qq	1)	57	3.5	65	٠	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
30	-	63	tt	2)	59	1.3	173	•	3413.0333.11
30	-	63	tt	2)	59	1.3	173	•	3413.0333.22
30	-	63	tt	2)	59	1.3	173	•	3413.0333.24
30	-	63	tt	2)	59	1.3	173	•	3413.0333.26
35	-	63	ХХ	2)	59	1	267	•	3413.0334.11
35	-	63	ХХ	2)	59	1	267	•	3413.0334.22
35	-	63	ХХ	2)	59	1	267	•	3413.0334.24
35	-	63	ХХ	2)	59	1	267	٠	3413.0334.26

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

1) UL: 100 A @ 63 VDC tau <1ms

400 A @ 42 VDC tau <0.1ms

750 A @ 32 VDC tau <0.1ms 100 A @ 32 VAC cos φ ≥ 0.99

150 A @ 24 VAC cos φ ≥ 0.99

2) UL: 100 A @ 63 VDC tau <1ms

400 A @ 42 VDC tau <0.1ms

800 A @ 32 VDC tau <0.1ms

All measurements are carried out on a test board according to IEC 60127-4 with the following tracks:

7 to 10 A: Track width 7.5 mm, Cu layer 70 µm

12 to15 A: Track width 7.5 mm, Cu layer 140 µm

20 to 25 A: Track width 7.5 mm, Cu layer 240 μm

30 to 35 A: Track width 20 mm, Cu layer 210 μm

Packaging Unit

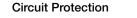
acc. IEC 60286-3 Type 2a

.xx = .22 .xx = .24 .xx = .26

.xx = .11

100 pcs. in tape in ESD-plastic bag 1000 pcs. in tape [W: 8mm and P1: 4mm] on reel [A: 18cm] 5000 pcs. in tape [W: 8mm and P1: 4mm] on reel [A: 33cm] 15000 pcs. in tape [W: 8mm and P1: 4mm] on reel [A: 33cm]

27.03.2025



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.