Surface Mount Fuse with Holder, 12 x 5.2 mm, Time-Lag T, 125 VAC, 125 VDC

UL 248-14 · 125 VAC · 125 VDC · Time-Lag T

See below:
Approvals and Compliances

Description

- Directly solderable on printed circuit boards
- OMZ 125 = OMT 125 + OMH 125

Weblinks

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

Technical Data

Rated Voltage	125 VAC, 125 VDC
Rated current	0.25 - 5 A
Breaking Capacity	100 A
Characteristic	Time-Lag T
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.47 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Certification marks

Soldering Methods	Reflow Soldering Profile
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
Moisture Sensitivity Level	MSL 1, J-STD-020

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.

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
UL	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses
CSA Group	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
IEC	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

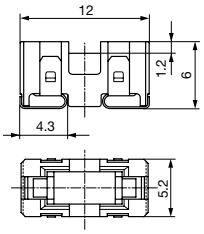
Compliances

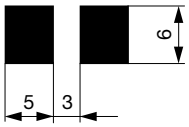
The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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.
UKCA	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
China RoHS	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]

12 mm



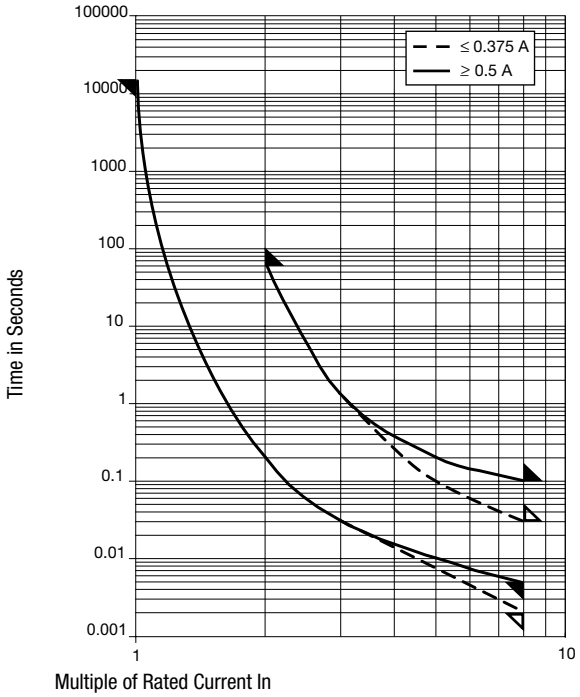


Soldering pads

Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.	8.0 x In min.	8.0 x In max.
0.25 A - 0.375 A	4 h	60 s	2 ms	10 ms
0.5 A - 6.3 A	4 h	60 s	5 ms	100 ms

Time-Current-Curves



All Variants

Fuse	Holder	Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 8.0 I_n typ. [A^2s]	Order Number
●	●	0.25	125	125	1)	142	35.5	0.02	3404.2320.11
●	●	0.25	125	125	1)	142	35.5	0.02	3404.2320.22
●	●	0.25	125	125	1)	142	35.5	0.02	3404.2320.23
●	●	0.375	125	125	1)	123	46.1	0.054	3404.2321.11
●	●	0.375	125	125	1)	123	46.1	0.054	3404.2321.22
●	●	0.375	125	125	1)	123	46.1	0.054	3404.2321.23
●	●	0.5	125	125	1)	95	47.5	0.16	3404.2322.11
●	●	0.5	125	125	1)	95	47.5	0.16	3404.2322.22
●	●	0.5	125	125	1)	95	47.5	0.16	3404.2322.23
●	●	0.75	125	125	1)	92	69	0.43	3404.2323.11
●	●	0.75	125	125	1)	92	69	0.43	3404.2323.22
●	●	0.75	125	125	1)	92	69	0.43	3404.2323.23
●	●	1	125	125	1)	88	88	0.77	3404.2324.11
●	●	1	125	125	1)	88	88	0.77	3404.2324.22
●	●	1	125	125	1)	88	88	0.77	3404.2324.23
●	●	1.5	125	125	1)	82	123	1.73	3404.2325.11
●	●	1.5	125	125	1)	82	123	1.73	3404.2325.22
●	●	1.5	125	125	1)	82	123	1.73	3404.2325.23
●	●	2	125	125	1)	75	150	3.58	3404.2326.11
●	●	2	125	125	1)	75	150	3.58	3404.2326.22
●	●	2	125	125	1)	75	150	3.58	3404.2326.23
●	●	2.5	125	125	1)	137	343	5.6	3404.2327.11
●	●	2.5	125	125	1)	137	343	5.6	3404.2327.22
●	●	2.5	125	125	1)	137	343	5.6	3404.2327.23
●	●	3	125	125	1)	128	384	8.06	3404.2328.11
●	●	3	125	125	1)	128	384	8.06	3404.2328.22
●	●	3	125	125	1)	128	384	8.06	3404.2328.23
●	●	3.5	125	125	1)	119	417	11.76	3404.2329.11

Fuse	Holder	Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 8.0 I_n typ. [A^2s]	Order Number
●	●	3.5	125	125	1)	119	417	11.76	3404.2329.22
●	●	3.5	125	125	1)	119	417	11.76	3404.2329.23
●	●	4	125	125	1)	77	308	12.3	3404.2330.11
●	●	4	125	125	1)	77	308	12.3	3404.2330.22
●	●	4	125	125	1)	77	308	12.3	3404.2330.23
●	●	5	125	125	1)	79	395	20.8	3404.2331.11
●	●	5	125	125	1)	79	395	20.8	3404.2331.22
●	●	5	125	125	1)	79	395	20.8	3404.2331.23

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

1) 100 A @ 125 VAC , p.f. ≥ 0.95 / 100 A @ 125 VDC

Packaging Unit
acc. IEC 60286-3 Type 2a

.xx = .11	100 pcs in ESD-plastic bag
.xx = .22	750 pcs. in tape [W: 24mm and P1: 8mm] on reel [A: 33cm]
.xx = .23	1500 pcs. in tape [W: 24mm and P1: 8mm] on reel [A: 38cm]

04.01.2022