Subminiature Fuse, 6.4 mm, Quick-Acting F, 125 VAC, 125 VDC

UL 248-14 · 125 VAC · 125 VDC · Quick-Acting F

See below:
Approvals and Compliances

Description

- Directly solderable on printed circuit boards

References

Packaging Details
Corresponding Fuseholder FME; FMR; FMS (125V)

Weblinks

pdf datasheet, html-datasheet, General Product Information, Packaging details, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	125 VAC, 125 VDC
Rated current	0.1 - 5 A
Breaking Capacity	100 A
Characteristic	Quick-Acting F
Mounting	PCB,THT
Admissible Ambient Air Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.34 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Rated Voltage, Characteristic, Certification marks

Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leeds and body)
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)
Operational Life	1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1)
Vibration, High Frequency	MIL-STD-202, Method 204 Condition D
Mechanical Shock	(acc. to EIA/IS-722, Test 4.9)
Resistance to Solvents	MIL-STD-202, Method 215
Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1)

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 134485 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: MSF 125

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

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Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses
	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
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

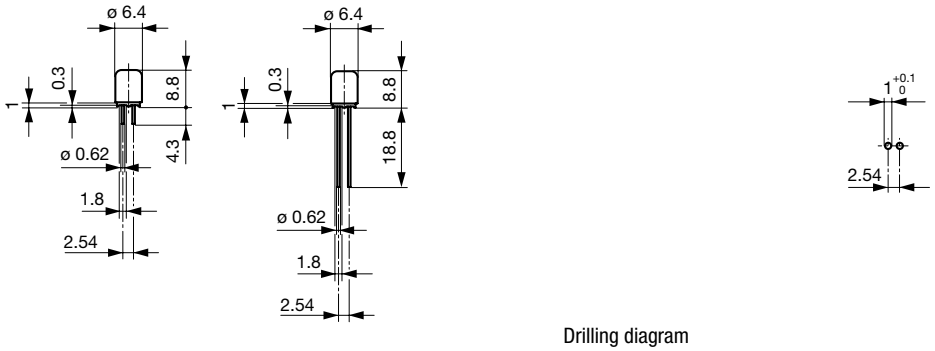
Compliances

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.
RoHS	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	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]

6.4 mm



Drilling diagram

Pre-Arcing Time

Rated Current In	1.5 x In max.	2.0 x In max.	2.75 x In max.	4.0 x In max.	10.0 x In max.
0.1 A - 5 A	10 min	5 s	300 ms	30 ms	4 ms

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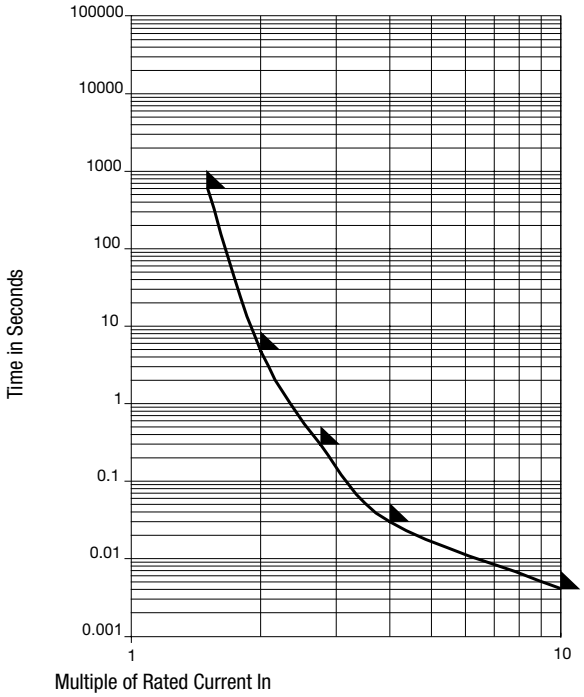
Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.0 In max. [mW]	Melting I²t 10.0 In typ. [A²s]	cULus	S	L	T	Order Number
0.1	125	125	1)	1000	690	100	0.0007	●	●			0034.4209
0.125	125	125	1)	1000	960	100	0.0015	●	●			0034.4210
0.16	125	125	1)	1000	850	100	0.0036	●	●			0034.4211
0.2	125	125	1)	700	680	100	0.0033	●	●			0034.4212
0.25	125	125	1)	700	620	100	0.0055	●	●			0034.4213
0.315	125	125	1)	700	680	200	0.025	●	●			0034.4214
0.4	125	125	1)	400	180	100	0.013	●	●			0034.4215
0.5	125	125	1)	400	180	100	0.02	●	●			0034.4216
0.63	125	125	1)	400	180	100	0.045	●	●			0034.4217
0.71	125	125	1)	400	140	100	0.045	●	●			0034.4218
0.75	125	125	1)	400	170	100	0.02	●	●			0034.4219
0.8	125	125	1)	400	150	100	0.04	●	●			0034.4220
1	125	125	1)	400	150	100	0.07	●	●			0034.4221
1.25	125	125	1)	190	150	200	0.12	●	●			0034.4222
1.6	125	125	1)	190	150	200	0.29	●	●			0034.4223
2	125	125	1)	190	130	200	0.43	●	●			0034.4224
2.5	125	125	1)	190	120	300	0.6	●	●			0034.4225
3.15	125	125	1)	190	120	400	1.1	●	●			0034.4226
4	125	125	1)	190	120	500	1.9	●	●			0034.4227
5	125	125	1)	190	120	600	3	●	●			0034.4228
0.1	125	125	1)	1000	690	100	0.0007	●		●		0034.4239
0.125	125	125	1)	1000	960	100	0.0015	●		●		0034.4240
0.16	125	125	1)	1000	850	100	0.0036	●		●		0034.4241
0.2	125	125	1)	700	680	100	0.0033	●		●		0034.4242
0.25	125	125	1)	700	620	100	0.0055	●		●		0034.4243
0.315	125	125	1)	700	680	200	0.025	●		●		0034.4244
0.4	125	125	1)	400	180	100	0.013	●		●		0034.4245

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Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.0 In max. [mW]	Melting I²t 10.0 In typ. [A²s]	cULus	S	L	T	Order Number
0.5	125	125	1)	400	180	100	0.02	●		●		0034.4246
0.63	125	125	1)	400	180	100	0.045	●		●		0034.4247
0.71	125	125	1)	400	140	100	0.045	●		●		0034.4248
0.75	125	125	1)	400	170	100	0.02	●		●		0034.4249
0.8	125	125	1)	400	150	100	0.04	●		●		0034.4250
1	125	125	1)	400	150	100	0.07	●		●		0034.4251
1.25	125	125	1)	190	150	200	0.12	●		●		0034.4252
1.6	125	125	1)	190	150	200	0.29	●		●		0034.4253
2	125	125	1)	190	130	200	0.43	●		●		0034.4254
2.5	125	125	1)	190	120	300	0.6	●		●		0034.4255
3.15	125	125	1)	190	120	400	1.1	●		●		0034.4256
4	125	125	1)	190	120	500	1.9	●		●		0034.4257
5	125	125	1)	190	120	600	3	●		●		0034.4258
0.1	125	125	1)	1000	690	100	0.0007	●			●	0034.4539
0.125	125	125	1)	1000	960	100	0.0015	●			●	0034.4540
0.16	125	125	1)	1000	850	100	0.0036	●			●	0034.4541
0.2	125	125	1)	700	680	100	0.0033	●			●	0034.4542
0.25	125	125	1)	700	620	100	0.0055	●			●	0034.4543
0.315	125	125	1)	700	680	200	0.025	●			●	0034.4544
0.4	125	125	1)	400	180	100	0.013	●			●	0034.4545
0.5	125	125	1)	400	180	100	0.02	●			●	0034.4546
0.63	125	125	1)	400	180	100	0.045	●			●	0034.4547
0.71	125	125	1)	400	140	100	0.045	●			●	0034.4548
0.75	125	125	1)	400	170	100	0.02	●			●	0034.4549
0.8	125	125	1)	400	150	100	0.04	●			●	0034.4550
1	125	125	1)	400	150	100	0.07	●			●	0034.4551
1.25	125	125	1)	190	150	200	0.12	●			●	0034.4552
1.6	125	125	1)	190	150	200	0.29	●			●	0034.4553
2	125	125	1)	190	130	200	0.43	●			●	0034.4554
2.5	125	125	1)	190	120	300	0.6	●			●	0034.4555
3.15	125	125	1)	190	120	400	1.1	●			●	0034.4556
4	125	125	1)	190	120	500	1.9	●			●	0034.4557
5	125	125	1)	190	120	600	3	●			●	0034.4558

Most Popular.

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

1) 100 A @ 125 VAC/DC

Packaging Unit

S = 4.3 mm	Plastic Bag (100 pcs.)
L = 18.8 mm	Bulk (100 pcs.)
T = 18.8 mm	Taped 36 cm Reel (1000 pcs.)

18.12.2018

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.

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