Subminiature Fuse, 4.05 x 10 mm, Quick-Acting F, 250 VAC, 125 VDC



UL 248-14 · 250 VAC · 125 VDC · Quick-Acting F

See below:
Approvals and Compliances

Description
- Low Breaking Capacity

References
Packaging Details

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

Technical Data

Rated Voltage	125 - 250 VAC, 125 VDC
Rated current	0.05 - 5 A
Breaking Capacity	50 A - 300 A
Characteristic	Quick-Acting F
Admissible Ambient Air Temp.	-40 °C to 85 °C
Material: Tube	Ceramic
Material: Axial Leads	Tin-Plated Copper
Unit Weight	0.6 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Rated current, Characteristic

Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1
Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A

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: 172593

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UL File Number: E42088

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 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

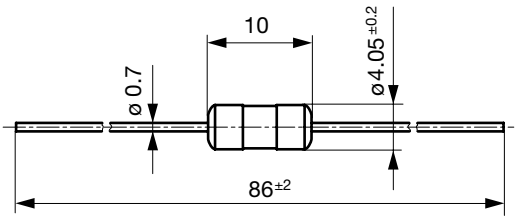
Compliances

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
50	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]

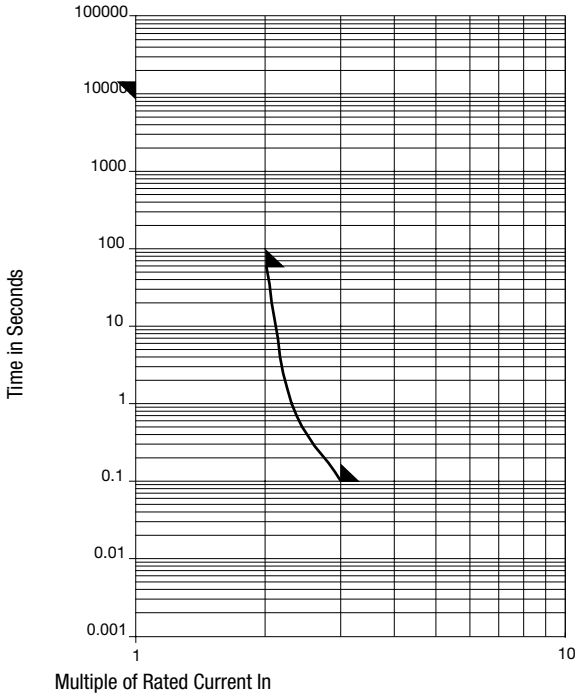
10 mm



Pre-Arcing Time

Rated Current In	1.0 x In min.	2.0 x In max.	3.0 x In max.
0.05 A - 5 A	4 h	60 s	100 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Melting I²t 10.0 In typ. [A²s]	cULus	Order Number
0.05	250	125	1)	1150	0.00011	●	7010.1740.46
0.063	250	125	1)	735	0.00035	●	7010.1750.46
0.08	250	125	1)	950	0.00039	●	7010.1760.12
0.1	250	125	1)	875	0.00079	●	7010.1770.12
0.1	250	125	1)	875	0.00079	●	7010.1770.46
0.125	250	125	1)	870	0.0013	●	7010.1780.12
0.125	250	125	1)	870	0.0013	●	7010.1780.46
0.15	250	125	1)	545	0.0029	●	7010.1790.12
0.15	250	125	1)	545	0.0029	●	7010.1790.46
0.2	250	125	1)	520	0.0071	●	7010.1910.12
0.2	250	125	1)	520	0.0071	●	7010.1910.46
0.3	250	125	1)	920	0.021	●	7010.1920.12
0.3	250	125	1)	920	0.021	●	7010.1920.46
0.4	250	125	1)	725	0.057	●	7010.1930.12
0.4	250	125	1)	725	0.057	●	7010.1930.46
0.5	250	125	1)	725	0.069	●	7010.1800.46
0.6	250	125	1)	205	0.059	●	7010.1810.12
0.6	250	125	1)	205	0.059	●	7010.1810.46
0.8	250	125	1)	150	0.095	●	7010.1820.12
0.8	250	125	1)	150	0.095	●	7010.1820.46
1	250	125	1)	185	0.12	●	7010.1830.46
1.25	250	125	1)	125	0.29	●	7010.1840.12
1.25	250	125	1)	125	0.29	●	7010.1840.46
1.6	250	125	1)	135	0.48	●	7010.1850.12
1.6	250	125	1)	135	0.48	●	7010.1850.46
2	250	125	1)	110	0.95	●	7010.1860.12
2	250	125	1)	110	0.95	●	7010.1860.46
2.5	250	125	1)	145	1.2	●	7010.1870.12

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Melting I²t 10.0 In typ. [A²s]	c UL us	Order Number
2.5	250	125	1)	145	1.2	●	7010.1870.46
3	250	125	1)	220	1.8	●	7010.1880.12
3	250	125	1)	220	1.8	●	7010.1880.46
4	250	125	1)	130	3.4	●	7010.1890.12
4	250	125	1)	130	3.4	●	7010.1890.46
5	250	125	1)	105	7.7	●	7010.1900.12
5	250	125	1)	105	7.7	●	7010.1900.46

Most Popular.

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

1) 50 A @ 250 VAC/DC / 300 A @ 125 VAC/DC

Packaging Unit

.xx = .12 Plastic Bag (50 pcs.)
.xx = .46 Taped 19 cm Reel (1000 pcs.)

03.12.2018

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.