FSL 5x20 Pigtail

Miniature Fuse with Pigtail, 5.4 x 22.5 mm, Time-Lag T, cULus, 250 VAC

UL 248-14 · 250 VAC · Time-Lag T

See below:
Approvals and Compliances

Last order date: 15.03.2025

Description
- UL Standard Fuse
- Low Breaking Capacity

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

Technical Data

Rated Voltage	250 VAC
Rated current	0.08 - 3 A
Breaking Capacity	35 A - 10 kA
Characteristic	Time-Lag T
Admissible Ambient Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Tube	Glass
Material: Endcaps	Nickel-Plated Copper Alloy
Material: Axial Leads	Tin-Plated Copper
Unit Weight	1.5 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	SCHURTER, Type, Rated current, Rated Voltage, Certification marks

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 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: FSL 5x20

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UL File Number: E184831

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
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	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

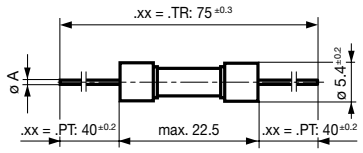
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
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 COMPLIANT	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]

22.5 mm

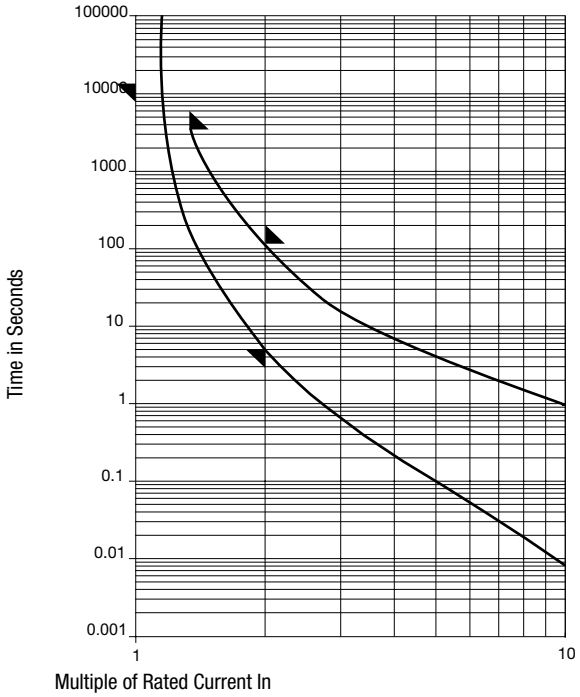


In ≤ 6.3 A: ØA = 0.65 mm
8 A ≤ In ≤ 12.5 A: ØA = 0.8 mm
In ≥ 16 A: ØA = 1.0 mm

Pre-Arcing Time

Rated Current In	1.1 x In min.	1.35 x In max.	2.0 x In min.	2.0 x In max.
0.08 A - 3 A	4 h	60 min	5 s	120 s

Time-Current-Curves



Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	c UL us	Order Number
0.08	250	1)	1400	112	0.0367	●	0034.3761.PT
0.08	250	1)	1400	112	0.0367	●	0034.3761.TR
0.1	250	1)	900	90	0.128	●	0034.3762.PT
0.1	250	1)	900	90	0.128	●	0034.3762.TR
0.125	250	1)	750	94	0.161	●	0034.3764.PT
0.125	250	1)	750	94	0.161	●	0034.3764.TR
0.16	250	1)	460	74	0.122	●	0034.3765.PT
0.16	250	1)	460	74	0.122	●	0034.3765.TR
0.18	250	1)	680	122	0.393	●	0034.3766.PT
0.18	250	1)	680	122	0.393	●	0034.3766.TR
0.2	250	1)	460	92	0.344	●	0034.3767.PT
0.2	250	1)	460	92	0.344	●	0034.3767.TR
0.25	250	1)	310	78	0.29	●	0034.3768.PT
0.25	250	1)	310	78	0.29	●	0034.3768.TR
0.315	250	1)	250	79	0.345	●	0034.3769.PT
0.315	250	1)	250	79	0.345	●	0034.3769.TR
0.4	250	1)	280	112	0.337	●	0034.3770.PT
0.4	250	1)	280	112	0.337	●	0034.3770.TR
0.5	250	1)	200	100	0.73	●	0034.3771.PT
0.5	250	1)	200	100	0.73	●	0034.3771.TR
0.63	250	1)	200	126	3.62	●	0034.3772.PT
0.63	250	1)	200	126	3.62	●	0034.3772.TR
0.75	250	1)	200	150	5.54	●	0034.3773.PT
0.75	250	1)	200	150	5.54	●	0034.3773.TR
0.8	250	1)	200	160	5.12	●	0034.3774.PT
0.8	250	1)	200	160	5.12	●	0034.3774.TR
1	250	1)	200	200	4.52	●	0034.3775.PT
1	250	1)	200	200	4.52	●	0034.3775.TR

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	c UL us	Order Number
1.25	250	2)	230	288	1.54	●	0034.3776.PT
1.25	250	2)	230	288	1.54	●	0034.3776.TR
1.5	250	2)	190	285	2.86	●	0034.3777.PT
1.5	250	2)	190	285	2.86	●	0034.3777.TR
1.6	250	2)	190	304	2.93	●	0034.3778.PT
1.6	250	2)	190	304	2.93	●	0034.3778.TR
2	250	2)	180	360	4.45	●	0034.3779.PT
2	250	2)	180	360	4.45	●	0034.3779.TR
2.5	250	2)	190	475	9.45	●	0034.3780.PT
2.5	250	2)	190	475	9.45	●	0034.3780.TR
3	250	2)	150	450	17.5	●	0034.3781.PT
3	250	2)	150	450	17.5	●	0034.3781.TR

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

1) 10 kA @ 125 VAC , p.f. = 0.7 - 0.8 / 35 A @ 250 VAC , p.f. = 0.7 - 0.8

2) 10 kA @ 125 VAC , p.f. = 0.7 - 0.8 / 100 A @ 250 VAC , p.f. = 0.7 - 0.8

Packaging Unit

.xx = .PT Bulk (1000 pcs.)
.xx = .TR Taped 33 cm Reel (1000 pcs.)

27.03.2025