



THE DATASHEET OF
8020.0518.PT



Subminiature Fuse, 3.6 x 10 mm, Time-lag T, 250 VAC



IEC 60127-3 · 250VAC · Time-Lag T

See below:
[Approvals and Compliances](#)

Description

- Ceramic Tube
- IEC Standard Miniature Fuse


Applications

- Digital Consumer Electronics
- Power supplies

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	250VAC
Rated current	0.1 - 5A
Breaking Capacity	35A - 40A
Characteristic	Time-Lag T
Mounting	PCB, THT
Admissible Ambient Temp.	-20°C to 70°C
Material: Tube	Ceramics
Material: Endcaps	Nickel-Plated Brass
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, Rated Voltage, Characteristic, 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 / 10 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: SPT 3.6x10

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 40015228
	UL Approvals	UL	UR File Number: E184831
	CQC Approvals	CQC	CQC Certificate Number: CQC09012037793 & more


Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60127-3/4	Miniature fuses - Part 3: Miniature fuse-links
	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental 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
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

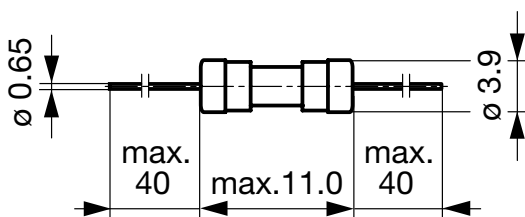
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE 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 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	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	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	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]

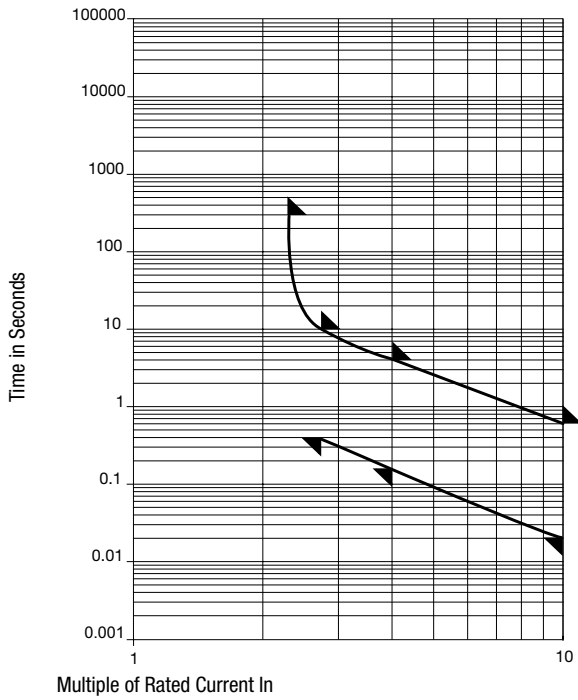
10 mm




Pre-Arcing Time

Rated Current In	2.1 x In max.	2.75 x In min.	2.75 x In max.	4.0 x In min.	4.0 x In max.	10.0 x In min.	10.0 x In max.
0.1 A - 5 A	120 s	400 ms	10 s	150 ms	3 s	20 ms	150 ms

Time-Current-Curves



Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I _n max. [mV]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n max. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]		Order Number
0.1	250	1)	350	300	170	0.08	● ● ●	8020.0504.PT
0.125	250	1)	300	255	180	0.15	● ● ●	8020.0505.PT
0.2	250	1)	260	200	200	0.4	● ● ●	8020.0507.PT
0.25	250	1)	240	160	220	0.2	● ● ●	8020.0508.PT
0.315	250	1)	220	150	250	0.75	● ● ●	8020.0509.PT
0.4	250	1)	200	110	280	0.45	● ● ●	8020.0510.PT
0.5	250	1)	190	140	310	2.6	● ● ●	8020.0511.PT
0.63	250	1)	180	120	360	5	● ● ●	8020.0512.PT
0.8	250	1)	160	80	430	7.5	● ● ●	8020.0513.PT
1	250	1)	140	120	500	11	● ● ●	8020.0514.PT
1.25	250	1)	130	70	600	5	● ● ●	8020.0515.PT
1.6	250	1)	120	90	730	17.5	● ● ●	8020.0516.PT
2	250	1)	100	80	870	32	● ● ●	8020.0517.PT
2.5	250	1)	100	75	1000	66	● ● ●	8020.0518.PT
3.15	250	1)	100	80	1200	131	● ● ●	8020.0519.PT
4	250	2)	100	70	1400	120	● ● ●	8020.0520.PT
5	250	2)	100	70	-	250	● ● ●	8020.0521.PT

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

1) 35 A @ 250 VAC

2) 40 A @ 250 VAC

Packaging Unit

.xx = .PT Bulk (1000 pcs.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 8020.0518.PT on WIN SOURCE](#)

 [Schurter Inc. Information](#)

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-  Shortage Management
-  Alternative Solution
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