

Miniature Fuse, 5 x 20 mm, Quick-Acting F, H, 250 VAC



IEC 60127-2 · 250 VAC · Quick-Acting F

See below:
[Approvals and Compliances](#)

Description

- IEC Standard Fuse
- H = High Breaking Capacity (Ceramic Tube)

Applications

- Primary Protection in Equipment


References

Pigtail Type [SP 5x20 Pigtail](#)
 Fuse Kit [Fuse Kit FST 5x20 / SP 5x20](#); [Fuse Kit SP 5x20 / SPT 5x20](#)

Weblinks

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

Technical Data

| | |
|------------------------------|--|
| Rated Voltage | 250 VAC |
| Rated current | 0.5 - 16 A |
| Breaking Capacity | 500 A - 1500 A |
| Characteristic | Quick-Acting F |
| Admissible Ambient Air Temp. | -55 °C to 125 °C |
| Climatic Category | 55/125/21 acc. to IEC 60068-1 |
| Material: Tube | Ceramic |
| Material: Endcaps | Nickel-Plated Copper Alloy |
| Unit Weight | 1.18 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  , Rated current, Rated Voltage, Characteristic, Breaking Capacity, Certification marks |






Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

Approvals



The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: SP 5x20

| Approval Logo | Certificates | Certification Body | Description |
|---|----------------|--------------------|---|
|  | VDE Approvals | VDE | VDE Certificate Number: 40009397 |
|  | UL Approvals | UL | UL File Number: E41599 |
|  | CQC Approvals | CQC | CCC Certificate Number: 2005010207150495 & more |
|  | KTL Approvals | KTL | Korea Testing Laboratory |
|  | METI Approvals | METI | Japan Electrical Safety and Environment technology Laboratories JET5265-31003-2006 |

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. |

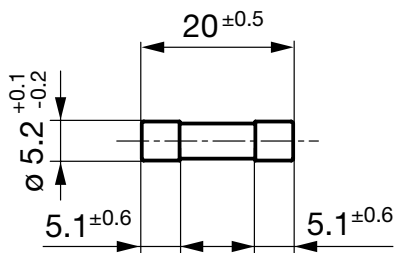
Compliances

The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|--|------------------------------|-------------|---|
|  | CE 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 | 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 | 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]

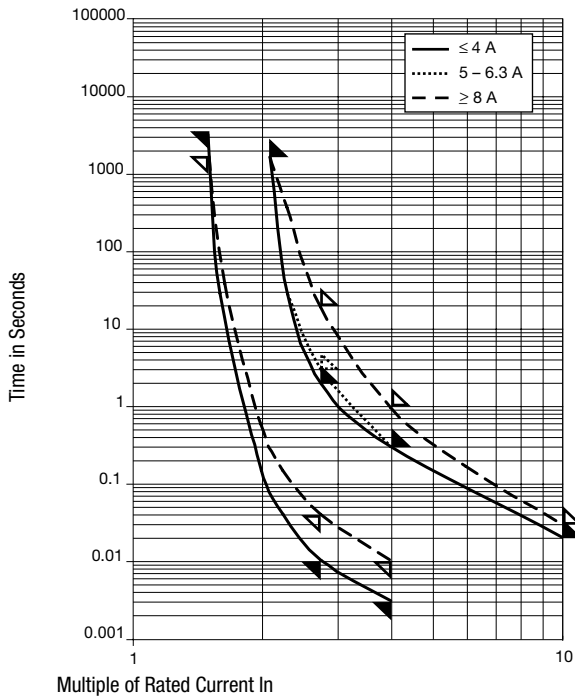
20 mm



Pre-Arcing Time

| Rated Current I_n | $1.5 \times I_n$ min. | $2.1 \times I_n$ max. | $2.75 \times I_n$ min. | $2.75 \times I_n$ max. | $4.0 \times I_n$ min. | $4.0 \times I_n$ max. | $10.0 \times I_n$ max. |
|---------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|
| 0.5 A - 4 A | 60 min | 30 min | 10 ms | 2 s | 3 ms | 300 ms | 20 ms |
| 5 A - 6.3 A | 60 min | 30 min | 10 ms | 3 s | 3 ms | 300 ms | 20 ms |
| 8 A - 10 A | 30 min | 30 min | 40 ms | 20 s | 10 ms | 1 s | 30 ms |
| 12.5 A - 16 A | 15 min | 30 min | 40 ms | 20 s | 10 ms | 1 s | 30 ms |

Time-Current-Curves



All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 In max. [mV] | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.5 In max. [mW] | Power Dissipation 1.5 In typ. [mW] | Melting I ² t 10.0 In typ. [A ² s] | | | | | | Order Number |
|-------------------|---------------------|-------------------|-------------------------------|-------------------------------|------------------------------------|------------------------------------|--|---|---|---|---|---|--------------|
| 0.5 | 250 | 1) | 1800 | 830 | 2500 | 2400 | 0.098 | ● | ● | ● | ● | ● | 0001.1001 |
| 0.63 | 250 | 1) | 1500 | 800 | 2500 | 2400 | 0.207 | ● | ● | ● | ● | ● | 0001.1002 |
| 0.8 | 250 | 1) | 1200 | 580 | 2500 | 2400 | 0.469 | ● | ● | ● | ● | ● | 0001.1003 |
| 1 | 250 | 1) | 1000 | 600 | 2500 | 2500 | 0.75 | ● | ● | ● | ● | ● | 0001.1004 |
| 1.25 | 250 | 1) | 800 | 270 | 4000 | 1000 | 0.538 | ● | ● | ● | ● | ● | 0001.1005 |
| 1.6 | 250 | 1) | 600 | 350 | 4000 | 1600 | 0.755 | ● | ● | ● | ● | ● | 0001.1006 |
| 2 | 250 | 1) | 500 | 260 | 4000 | 1600 | 2 | ● | ● | ● | ● | ● | 0001.1007 |
| 2.5 | 250 | 1) | 400 | 260 | 4000 | 1900 | 3.28 | ● | ● | ● | ● | ● | 0001.1008 |
| 3.15 | 250 | 1) | 350 | 210 | 4000 | 1900 | 6.78 | ● | ● | ● | ● | ● | 0001.1009 |
| 4 | 250 | 1) | 300 | 200 | 4000 | 2400 | 12.6 | ● | ● | ● | ● | ● | 0001.1010 |
| 5 | 250 | 1) | 250 | 160 | 4000 | 2400 | 30.8 | ● | ● | ● | ● | ● | 0001.1011 |
| 6.3 | 250 | 1) | 200 | 150 | 4000 | 3200 | 36.7 | ● | ● | ● | ● | ● | 0001.1012 |
| 8 | 250 | 1) | 200 | 140 | 4000 | 3900 | 81.9 | ● | ● | ● | ● | ● | 0001.1013 |
| 10 | 250 | 1) | 200 | 130 | 4000 | 3000 | 141 | ● | ● | ● | ● | ● | 0001.1014 |
| 12.5 | 250 | 2) | - | 110 | - | 6900 | 203 | ● | ● | | | | 0001.1015 |
| 16 | 250 | 2) | - | 120 | - | 7400 | 461 | ● | | | | | 0001.1016 |

Most Popular.

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

- 1) IEC: H = 1500 A @ 250 VAC, p.f. = 0.7 - 0.8
- 1) UL: 10 kA @ 125 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 250 VAC, p.f. = 0.7 - 0.8
- 2) IEC: 1000 A @ 250 VAC
- 2) UL: 500 A @ 125 VAC, p.f. = 0.7 - 0.8 / 1000 A @ 125 VAC / 500 A @ 250 VAC

| Packaging Unit | xxxx.xxxx xxxx.xxxx.G | Small Box Pack (10 pcs.) Bulk 128 x 91 x 60 mm (1000 pcs.) |
|----------------|--------------------------|---|
|----------------|--------------------------|---|