

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



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

See below:

[Approvals and Compliances](#)

Description

- IEC Standard Fuse
- L = Low Breaking Capacity (Glass Tube)

Applications

- Primary Protection in Equipment


References

Pigtail Type [FSF 5x20 Pigtail](#)
 Assembled Fuseholder [OGN-SMD](#)
 Fuse Kit [Fuse Kit FSF 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 | 0.032 - 10 A |
| Breaking Capacity | 35 A - 100 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 | Glass |
| Material: Endcaps | Nickel-Plated Copper Alloy |
| Unit Weight | 0.92 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  , Rated current, Rated Voltage, Characteristic, Breaking Capacity, Approvals |






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: FSF 5x20

| Approval Logo | Certificates | Certification Body | Description |
|---|--------------------------------|--------------------|---|
|  | VDE Approvals | VDE | VDE Certificate Number: 40016088 |
|  | UL Approvals | UL | UL File Number: E41599 |
|  | CQC Approvals | CQC | CCC Certificate Number: |
|  | CQC Approvals | CQC | CCC Certificate Number: |
|  | METI Approvals | METI | Japan Electrical Safety and Environment technology Laboratories |


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. |

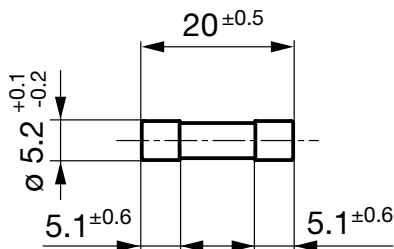
Compliances

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]

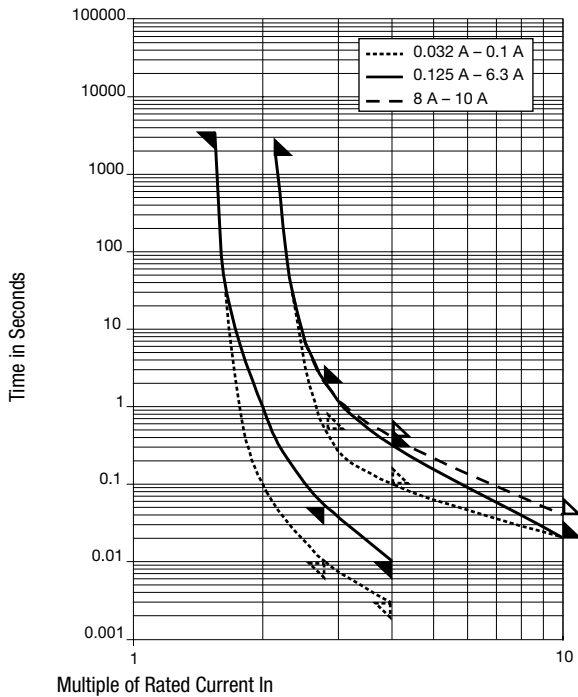
20 mm



Pre-Arcing Time

| Rated Current In | 1.5 x In min. | 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 max. |
|------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| 0.032 A - 0.1 A | 60 min | 30 min | 10 ms | 500 ms | 3 ms | 100 ms | 20 ms |
| 0.125 A - 6.3 A | 60 min | 30 min | 50 ms | 2 s | 10 ms | 300 ms | 20 ms |
| 8 A - 10 A | 30 min | 30 min | 50 ms | 2 s | 10 ms | 400 ms | 40 ms |






Time-Current-Curves



All 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] | Power Dissipation 1.5 I _n typ. [mW] | Melting I ² t 10.0 Intyp. [A ² s] | | | | | | Order Number |
|-------------------|---------------------|-------------------|---|---|--|--|---|---|---|---|---|---|--------------|
| 0.032 | 250 | 1) | 10000 | 1500 | 1600 | 700 | 0.000082 | ● | ● | ● | ● | ● | 0034.1527 |
| 0.04 | 250 | 1) | 8000 | 1100 | 1600 | 700 | 0.000128 | ● | ● | ● | ● | ● | 0034.1528 |
| 0.05 | 250 | 1) | 7000 | 3000 | 1600 | 700 | 0.00025 | ● | ● | ● | ● | ● | 0034.1529 |
| 0.063 | 250 | 1) | 5000 | 940 | 1600 | 300 | 0.000278 | ● | ● | ● | ● | ● | 0034.1530 |
| 0.08 | 250 | 1) | 4000 | 750 | 1600 | 300 | 0.00102 | ● | ● | ● | ● | ● | 0034.1531 |
| 0.1 | 250 | 1) | 3500 | 840 | 1600 | 400 | 0.0014 | ● | ● | ● | ● | ● | 0034.1506 |
| 0.125 | 250 | 1) | 2000 | 610 | 1600 | 400 | 0.00484 | ● | ● | ● | ● | ● | 0034.1507 |
| 0.16 | 250 | 1) | 2000 | 550 | 1600 | 500 | 0.0113 | ● | ● | ● | ● | ● | 0034.1508 |
| 0.2 | 250 | 1) | 1700 | 540 | 1600 | 500 | 0.0252 | ● | ● | ● | ● | ● | 0034.1509 |
| 0.25 | 250 | 1) | 1400 | 240 | 1600 | 200 | 0.0159 | ● | ● | ● | ● | ● | 0034.1510 |
| 0.315 | 250 | 1) | 1300 | 210 | 1600 | 200 | 0.0367 | ● | ● | ● | ● | ● | 0034.1511 |
| 0.4 | 250 | 1) | 1200 | 200 | 1600 | 200 | 0.085 | ● | ● | ● | ● | ● | 0034.1512 |
| 0.5 | 250 | 1) | 1000 | 150 | 1600 | 200 | 0.151 | ● | ● | ● | ● | ● | 0034.1513 |
| 0.63 | 250 | 1) | 650 | 140 | 1600 | 300 | 0.303 | ● | ● | ● | ● | ● | 0034.1514 |
| 0.8 | 250 | 1) | 240 | 110 | 1600 | 300 | 0.508 | ● | ● | ● | ● | ● | 0034.1515 |
| 1 | 250 | 1) | 200 | 110 | 1600 | 300 | 1.13 | ● | ● | ● | ● | ● | 0034.1516 |
| 1.25 | 250 | 1) | 200 | 100 | 1600 | 400 | 1.81 | ● | ● | ● | ● | ● | 0034.1517 |
| 1.6 | 250 | 1) | 190 | 100 | 1600 | 500 | 2.94 | ● | ● | ● | ● | ● | 0034.1518 |
| 2 | 250 | 1) | 170 | 90 | 1600 | 600 | 5.28 | ● | ● | ● | ● | ● | 0034.1519 |
| 2.5 | 250 | 1) | 170 | 90 | 1600 | 800 | 9.19 | ● | ● | ● | ● | ● | 0034.1520 |
| 3.15 | 250 | 1) | 150 | 90 | 2500 | 600 | 16.1 | ● | ● | ● | ● | ● | 0034.1521 |
| 4 | 250 | 2) | 130 | 90 | 2500 | 1000 | 25.6 | ● | ● | ● | ● | ● | 0034.1522 |
| 5 | 250 | 2) | 130 | 80 | 2500 | 1300 | 33.8 | ● | ● | ● | ● | ● | 0034.1523 |
| 6.3 | 250 | 2) | 130 | 80 | 2500 | 2000 | 53.2 | ● | ● | ● | ● | ● | 0034.1524 |
| 8 | 250 | 2) | 130 | 80 | 4000 | 2300 | 93.4 | ● | ● | ● | ● | ● | 0034.1525 |
| 10 | 250 | 2) | 130 | 70 | 4000 | 2500 | 183 | ● | ● | ● | ● | ● | 0034.1526 |

Most Popular.

| 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] | Power Dissipation 1.5 I _n typ. [mW] | Melting I ² t 10.0 Intyp. [A ² s] |      | Order Number |
|-------------------|---------------------|-------------------|---|---|--|--|---|--|--------------|
|-------------------|---------------------|-------------------|---|---|--|--|---|--|--------------|

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

- 1) 35 A @ 250 VAC
- 2) 10 In @ 250 VAC

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