

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



UL 248-14 · 250 VAC · Quick-Acting F

See below:
[Approvals and Compliances](#)

Description

- UL Standard Fuse
- Low Breaking Capacity


References

Pigtail Type [FSK 5x20 Pigtail](#)

Weblinks

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

Technical Data


| | |
|------------------------------|---|
| Rated Voltage | 250VAC |
| Rated current | 0.05 - 6.3A |
| Breaking Capacity | 32 A - 10kA |
| Characteristic | Quick-Acting F |
| Mounting | Fuseholder / Clip |
| Admissible Ambient Air 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 |
| Unit Weight | 1 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  Type, Rated current, Rated Voltage, 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: FSK 5x20

| Approval Logo | Certificates | Certification Body | Description |
|---|------------------------------|--------------------|-------------------------|
|  | UL Approvals | UL | UL File Number: E184831 |


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

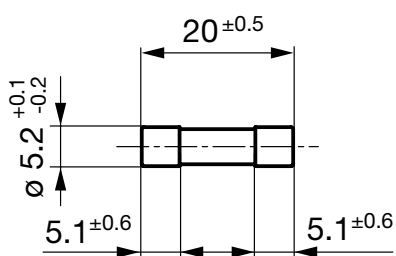
| Organization | Design | Standard | Description |
|---|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

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]

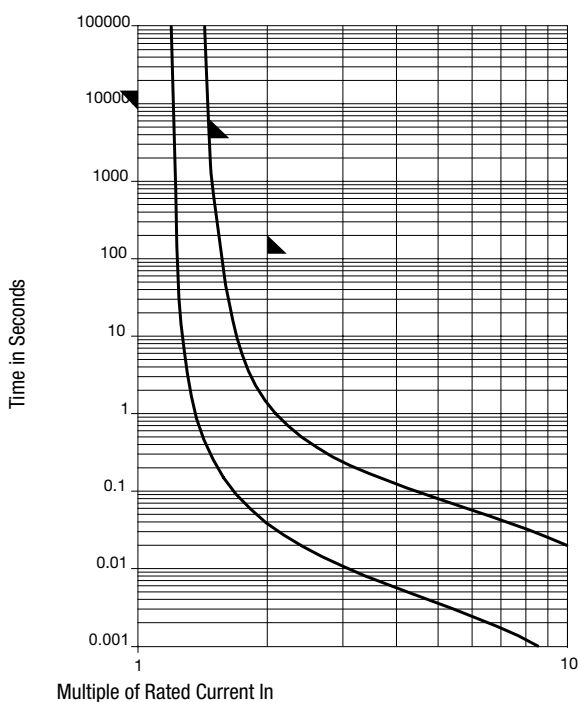


Pre-Arcing Time


Rated Current I_n 1.1 x I_n min. 1.35 x I_n max. 2.0 x I_n max.

| | | | |
|----------------|-----|--------|-------|
| 0.05 A - 6.3 A | 4 h | 60 min | 120 s |
|----------------|-----|--------|-------|

Time-Current-Curves



All 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 ² t 10.0 Intyp. [A ² s] |  | Order Number |
|-------------------|---------------------|-------------------|---|--|---|---|--------------|
| 0.05 | 250 | 1) | 13000 | 650 | 0.00078 | ● | 0034.3851 |
| 0.063 | 250 | 1) | 6600 | 416 | 0.0014 | ● | 0034.3852 |
| 0.08 | 250 | 1) | 2900 | 232 | 0.00077 | ● | 0034.3853 |
| 0.1 | 250 | 1) | 4500 | 450 | 0.0015 | ● | 0034.3854 |
| 0.125 | 250 | 1) | 3700 | 463 | 0.031 | ● | 0034.3855 |
| 0.15 | 250 | 1) | 2900 | 435 | 0.034 | ● | 0034.3856 |
| 0.18 | 250 | 1) | 2100 | 378 | 0.033 | ● | 0034.3858 |
| 0.2 | 250 | 1) | 2300 | 460 | 0.043 | ● | 0034.3859 |
| 0.25 | 250 | 1) | 2100 | 525 | 0.08 | ● | 0034.3860 |
| 0.3 | 250 | 1) | 1200 | 360 | 0.07 | ● | 0034.3861 |
| 0.315 | 250 | 1) | 1700 | 536 | 0.084 | ● | 0034.3862 |
| 0.4 | 250 | 1) | 370 | 148 | 0.03 | ● | 0034.3864 |
| 0.45 | 250 | 1) | 240 | 108 | 0.058 | ● | 0034.3865 |
| 0.5 | 250 | 1) | 280 | 140 | 0.072 | ● | 0034.3866 |
| 0.63 | 250 | 1) | 260 | 164 | 0.1 | ● | 0034.3867 |
| 0.7 | 250 | 1) | 270 | 189 | 0.28 | ● | 0034.3869 |
| 0.75 | 250 | 1) | 230 | 173 | 0.31 | ● | 0034.3870 |
| 0.8 | 250 | 1) | 240 | 192 | 0.4 | ● | 0034.3871 |
| 1 | 250 | 1) | 230 | 230 | 0.68 | ● | 0034.3872 |
| 1.2 | 250 | 2) | 160 | 192 | 0.98 | ● | 0034.3873 |
| 1.25 | 250 | 2) | 160 | 200 | 0.97 | ● | 0034.3874 |
| 1.5 | 250 | 2) | 160 | 240 | 1.59 | ● | 0034.3875 |
| 1.6 | 250 | 2) | 140 | 224 | 1.52 | ● | 0034.3876 |
| 2 | 250 | 2) | 200 | 400 | 2.93 | ● | 0034.3877 |
| 2.5 | 250 | 2) | 140 | 350 | 4.6 | ● | 0034.3879 |
| 3 | 250 | 2) | 120 | 360 | 6.8 | ● | 0034.3880 |
| 3.15 | 250 | 2) | 130 | 410 | 9.72 | ● | 0034.3881 |
| 3.5 | 250 | 2) | 130 | 455 | 9.75 | ● | 0034.3882 |
| 4 | 250 | 3) | 120 | 480 | 13.31 | ● | 0034.3883 |
| 5 | 250 | 3) | 140 | 700 | 21.4 | ● | 0034.3884 |
| 6.3 | 250 | 3) | 120 | 756 | 40.8 | ● | 0034.3885 |

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

- 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
- 3) 10 kA @ 125 VAC , p.f. = 0.7 - 0.8 / 200 A @ 250 VAC , p.f. = 0.7 - 0.8

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