

Miniature Fuse, 5 x 20 mm, Quick-Acting F, NF, 220 VAC



NF C 93-435 · 220 VAC · Quick-Acting F

See below:

[Approvals and Compliances](#)

Description

- Low Breaking Capacity

Weblinks

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

Technical Data

| | |
|------------------------------|-------------------------------|
| Rated Voltage | 32 - 220VAC |
| Rated current | 0.02 - 20A |
| Breaking Capacity | 60A - 300A |
| Characteristic | Quick-Acting F |
| Mounting | Fuseholder / Clip |
| Admissible Ambient Air Temp. | -40 °C to 70 °C |
| Climatic Category | 40/070/56 acc. to IEC 60068-1 |
| Material: Tube | Glass |
| Material: Endcaps | Nickel-Plated Copper Alloy |
| Unit Weight | 1.2 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking | HA21, Rated current |

| | |
|-------------------------|--|
| Resistance to Vibration | acc. to NF C 20-706 / IEC 60068-2-6, test Fc |
| Shocks | acc. to NF C 20-706 / IEC 60068-2-27 |
| Bumps | acc. to NF C 20-729 / IEC 60068-2-29 |
| Salt Mist | acc. to NF C 20-711 / IEC 60068-2-11 |


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: D1

| Approval Logo | Certificates | Certification Body | Description |
|---|--------------------------------|--------------------|-----------------|
|  | LCIE Approvals | LCIE | Norme française |





Application standards

Application standards where the product can be used

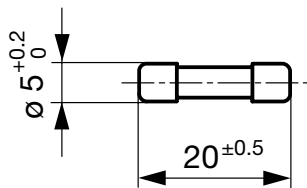
| Organization | Design | Standard | Description |
|---|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

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]

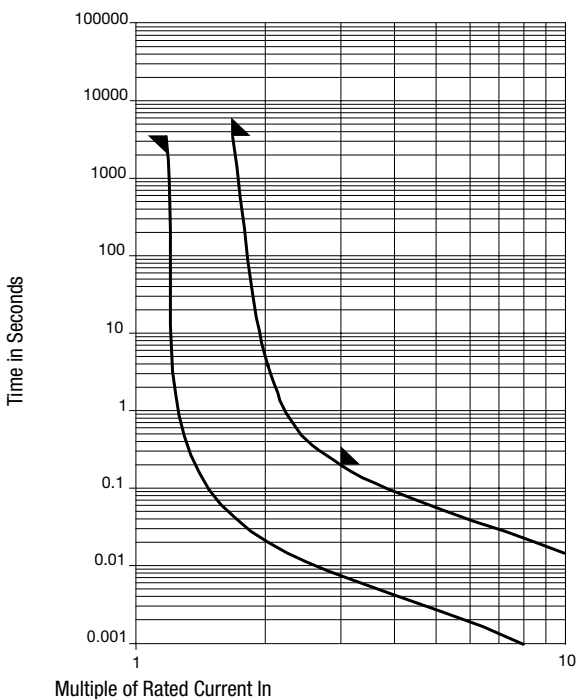


Pre-Arcing Time

Rated Current I_n 1.15 x I_n min. 1.65 x I_n max. 3.0 x I_n max.

| | | | |
|----------------|--------|--------|--------|
| 0.02 A - 6.3 A | 60 min | 60 min | 200 ms |
|----------------|--------|--------|--------|

Time-Current-Curves



All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I _n typ. [mV] | Power Dissipation 1.15 I _n typ. [mW] | Melting I ² t 10.0 Intyp. [A ² s] | Order Number |
|-------------------|---------------------|-------------------|---|---|---|--------------|
| 0.02 | 220 | 1) | 790 | 21 | 0.00027 | 7010.3110 |
| 0.031 | 220 | 1) | 1400 | 60 | 0.00029 | 7010.3120 |
| 0.04 | 220 | 1) | 2400 | 155 | 0.00017 | 7010.3130 |
| 0.05 | 220 | 1) | 3300 | 260 | 0.00017 | 7010.3140 |
| 0.063 | 220 | 1) | 2250 | 220 | 0.00046 | 7010.3150 |
| 0.08 | 220 | 1) | 1750 | 215 | 0.0012 | 7010.3160 |
| 0.1 | 220 | 1) | 1200 | 175 | 0.003 | 7010.3210 |
| 0.125 | 220 | 1) | 1550 | 295 | 0.0037 | 7010.3220 |
| 0.16 | 220 | 1) | 1300 | 320 | 0.0076 | 7010.3230 |
| 0.2 | 220 | 1) | 1200 | 375 | 0.012 | 7010.3240 |
| 0.25 | 220 | 1) | 1000 | 400 | 0.025 | 7010.3250 |
| 0.31 | 220 | 1) | 475 | 225 | 0.018 | 7010.3260 |
| 0.4 | 220 | 1) | 310 | 185 | 0.054 | 7010.3270 |
| 0.5 | 220 | 1) | 285 | 215 | 0.096 | 7010.3280 |
| 0.63 | 220 | 1) | 310 | 300 | 0.14 | 7010.3290 |
| 0.8 | 220 | 1) | 270 | 335 | 0.3 | 7010.3310 |
| 1 | 220 | 1) | 150 | 215 | 0.81 | 7010.3410 |
| 1.25 | 220 | 1) | 325 | 660 | 0.47 | 7010.3420 |
| 1.6 | 125 | 2) | 300 | 790 | 0.93 | 7010.3430 |
| 2 | 125 | 2) | 185 | 560 | 1.9 | 7010.3440 |
| 2.5 | 125 | 2) | 285 | 1250 | 2.5 | 7010.3450 |
| 3.15 | 125 | 2) | 145 | 670 | 7.1 | 7010.3460 |
| 4 | 125 | 2) | 165 | 1050 | 10 | 7010.3470 |
| 5 | 125 | 2) | 165 | 1300 | 18 | 7010.3480 |
| 6.3 | 125 | 2) | 130 | 1200 | 41 | 7010.3510 |
| 8 | 32 | 3) | 120 | 1400 | 79 | 7010.3520 |
| 10 | 32 | 3) | 120 | 1750 | 145 | 7010.3530 |
| 12.5 | 32 | 3) | 115 | 2000 | 300 | 7010.3620 |
| 15 | 32 | 3) | 125 | 2750 | 460 | 7010.3630 |
| 20 | 32 | 3) | 95 | 2600 | 1800 | 7010.3650 |



Most Popular.

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

- 1) 60 A @ 220 VAC , p.f. = 0.6 - 0.8
- 2) 300 A @ 125 VAC , p.f. ≥ 0.95 / Schurter: 60 A @ 220 VAC
- 3) 300 A @ 32 VAC , p.f. ≥ 0.95

Packaging Unit Small Box Pack (10 pcs.)