

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



### 220 VAC · Quick-Acting F

See below:

#### Approvals and Compliances

#### Description

- Low Breaking Capacity

#### Weblinks

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

#### Technical Data

|                              |                               |
|------------------------------|-------------------------------|
| Rated Voltage                | 32 - 220 VAC                  |
| Rated current                | 0.02 - 10 A                   |
| Breaking Capacity            | 60 A - 300 A                  |
| 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 IEC 60068-2-6, test Fc |
| Shocks                  | acc. to IEC 60068-2-27         |
| Bumps                   | acc. to IEC 60068-2-29         |
| Salt Mist               | acc. to 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](#)

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.

#### Application standards

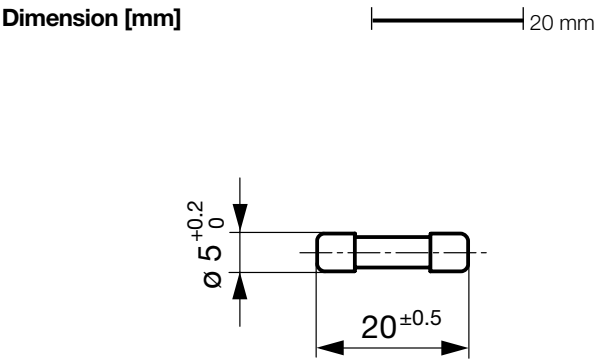
Application standards where the product can be used

| 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

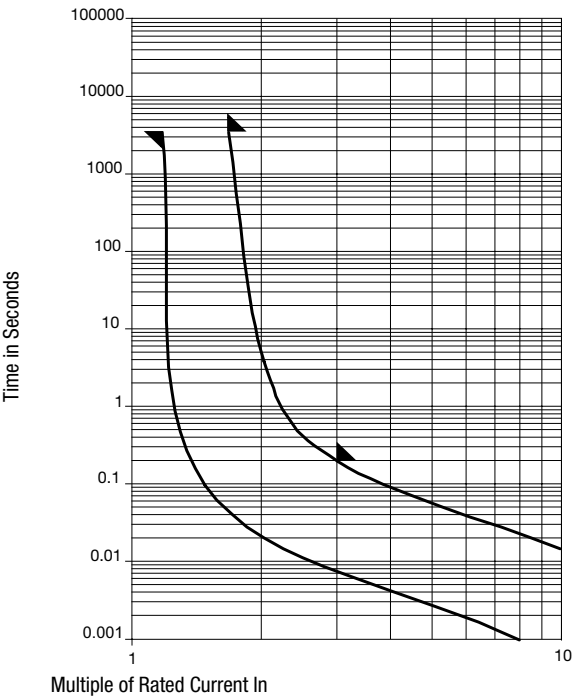
| Identification                                                                      | Details                                      | Initiator   | Description                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CE declaration of conformity</a> | 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 | 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.                               |



Pre-Arcing Time

| Rated Current $I_n$ | $1.15 \times I_n$ min. | $1.65 \times I_n$ max. | $3.0 \times I_n$ max. |
|---------------------|------------------------|------------------------|-----------------------|
| 0.02 A - 10 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 $I^2t$ $10.0 I_n$ typ. [A <sup>2</sup> 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    |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop<br>1.0 I <sub>n</sub> typ.<br>[mV] | Power Dissipation<br>1.15 I <sub>n</sub> typ.<br>[mW] | Melting I <sup>2</sup> t<br>10.0 I <sub>n</sub> typ.<br>[A <sup>2</sup> s] | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------|--------------|
| 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    |

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.)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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