

Subminiature Fuse, 2.3 x 8 mm, Quick-Acting F, 125 VAC, 125 VDC



125 VAC · 125 VDC · Quick-Acting F

See below:

[Approvals and Compliances](#)

## Description

- High breaking capacity

## Weblinks

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

## Technical Data

|                              |                               |
|------------------------------|-------------------------------|
| Rated Voltage                | 32 - 125 VAC, 32 - 125 VDC    |
| Rated current                | 0.063 - 15 A                  |
| Breaking Capacity            | 300 A                         |
| Characteristic               | Quick-Acting F                |
| Admissible Ambient Air Temp. | -55 °C to 85 °C               |
| Climatic Category            | 55/085/56 acc. to IEC 60068-1 |
| Material: Tube               | Ceramics                      |
| Material: Axial Leads        | Tin-Plated Copper             |
| Unit Weight                  | 0.46 g                        |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.  |
| Product Marking              | Rated current                 |

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Soldering Methods            | Wave<br><a href="#">Soldering Profile</a>                 |
| Solderability                | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1  |
| Resistance to Soldering Heat | 260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A |
| 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                      |
| 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](#)

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.

## Approvals

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

Approval Reference Type:

| Approval Logo | Certificates | Certification Body | Description |
|---------------|--------------|--------------------|-------------|
| GAM<br>T1     |              |                    |             |

## 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

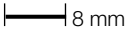
| Organization | Design                         | Standard       | Description                                                                                   |
|--------------|--------------------------------|----------------|-----------------------------------------------------------------------------------------------|
|              | Designed for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |

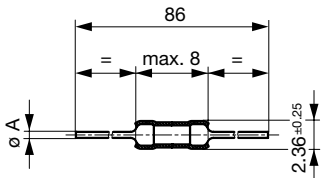
Compliances

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. |
|  | <a href="#">UKCA declaration of conformity</a> | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 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.                               |

Dimension [mm]



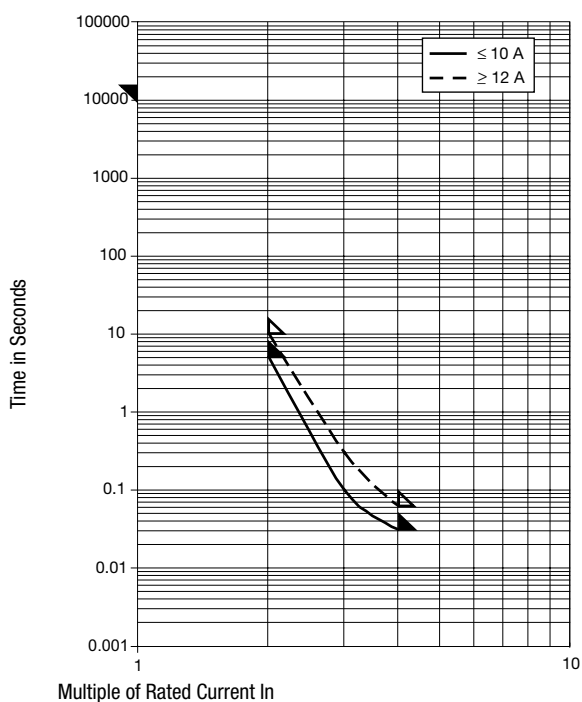


In ≤ 10 A: ØA = 0.62 mm  
In > 10 A: ØA = 0.82 mm

Pre-Arcing Time

| Rated Current In | 1.0 x In min. | 2.0 x In max. | 4.0 x In max. |
|------------------|---------------|---------------|---------------|
| 0.063 A - 10 A   | 4 h           | 5 s           | 30 ms         |
| 12 A - 15 A      | 4 h           | 10 s          | 60 ms         |

## Time-Current-Curves



## All Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.0 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 I <sub>n</sub> typ. [A <sup>2</sup> s] | GAM T1 | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|----------------------------------------------------------------------|--------|--------------|
| 0.063             | 125                 | 125                 | 1)                | 570                                       | 36                                             | 0.0014                                                               |        | 7010.6300.13 |
| 0.063             | 125                 | 125                 | 1)                | 570                                       | 36                                             | 0.0014                                                               |        | 7010.6300.47 |
| 0.125             | 125                 | 125                 | 1)                | 720                                       | 90                                             | 0.0045                                                               | ●      | 7010.6310.13 |
| 0.125             | 125                 | 125                 | 1)                | 720                                       | 90                                             | 0.0045                                                               | ●      | 7010.6310.47 |
| 0.25              | 125                 | 125                 | 1)                | 215                                       | 54                                             | 0.014                                                                | ●      | 7010.6320.13 |
| 0.25              | 125                 | 125                 | 1)                | 215                                       | 54                                             | 0.014                                                                | ●      | 7010.6320.47 |
| 0.375             | 125                 | 125                 | 1)                | 185                                       | 70                                             | 0.025                                                                | ●      | 7010.6330.13 |
| 0.375             | 125                 | 125                 | 1)                | 185                                       | 70                                             | 0.025                                                                | ●      | 7010.6330.47 |
| 0.5               | 125                 | 125                 | 1)                | 180                                       | 90                                             | 0.1                                                                  | ●      | 7010.6340.13 |
| 0.5               | 125                 | 125                 | 1)                | 180                                       | 90                                             | 0.1                                                                  | ●      | 7010.6340.47 |
| 0.75              | 125                 | 125                 | 1)                | 155                                       | 120                                            | 0.28                                                                 | ●      | 7010.6350.13 |
| 0.75              | 125                 | 125                 | 1)                | 155                                       | 120                                            | 0.28                                                                 | ●      | 7010.6350.47 |
| 1                 | 125                 | 125                 | 1)                | 160                                       | 160                                            | 0.39                                                                 | ●      | 7010.6360.13 |
| 1                 | 125                 | 125                 | 1)                | 160                                       | 160                                            | 0.39                                                                 | ●      | 7010.6360.47 |
| 1.5               | 125                 | 125                 | 1)                | 165                                       | 250                                            | 0.52                                                                 | ●      | 7010.6370.13 |
| 1.5               | 125                 | 125                 | 1)                | 165                                       | 250                                            | 0.52                                                                 | ●      | 7010.6370.47 |
| 2                 | 125                 | 125                 | 1)                | 160                                       | 320                                            | 1.3                                                                  | ●      | 7010.6380.13 |
| 2                 | 125                 | 125                 | 1)                | 160                                       | 320                                            | 1.3                                                                  | ●      | 7010.6380.47 |
| 2.5               | 125                 | 125                 | 1)                | 145                                       | 365                                            | 1.6                                                                  | ●      | 7010.6390.13 |
| 2.5               | 125                 | 125                 | 1)                | 145                                       | 365                                            | 1.6                                                                  | ●      | 7010.6390.47 |
| 3                 | 125                 | 125                 | 1)                | 140                                       | 420                                            | 2.4                                                                  | ●      | 7010.6400.13 |
| 3                 | 125                 | 125                 | 1)                | 140                                       | 420                                            | 2.4                                                                  | ●      | 7010.6400.47 |
| 4                 | 125                 | 125                 | 1)                | 125                                       | 500                                            | 5.7                                                                  | ●      | 7010.6410.13 |
| 4                 | 125                 | 125                 | 1)                | 125                                       | 500                                            | 5.7                                                                  | ●      | 7010.6410.47 |
| 5                 | 125                 | 125                 | 1)                | 120                                       | 600                                            | 8.7                                                                  | ●      | 7010.6420.13 |
| 5                 | 125                 | 125                 | 1)                | 120                                       | 600                                            | 8.7                                                                  | ●      | 7010.6420.47 |
| 7                 | 125                 | 125                 | 1)                | 110                                       | 770                                            | 15                                                                   | ●      | 7010.6440.13 |
| 7                 | 125                 | 125                 | 1)                | 110                                       | 770                                            | 15                                                                   | ●      | 7010.6440.47 |

| Rated Cur-<br>rent [A] | Rated Vol-<br>tage [VAC] | Rated Vol-<br>tage [VDC] | Breaking<br>Capacity | Voltage Drop<br>1.0 I <sub>n</sub> typ.<br>[mV] | Power Dissi-<br>pation 1.0 I <sub>n</sub><br>typ. [mW] | Melting I <sup>2</sup> t<br>10.0 I <sub>n</sub> typ.<br>[A²s] | GAM<br>T1 | Order Number |
|------------------------|--------------------------|--------------------------|----------------------|-------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------|-----------|--------------|
| 10                     | 125                      | 125                      | 1)                   | 110                                             | 1100                                                   | 46                                                            | ●         | 7010.6470.13 |
| 10                     | 125                      | 125                      | 1)                   | 110                                             | 1100                                                   | 46                                                            | ●         | 7010.6470.47 |
| 12                     | 32                       | 32                       | 2)                   | 120                                             | 1450                                                   | 57                                                            | ●         | 7010.6480.13 |
| 12                     | 32                       | 32                       | 2)                   | 120                                             | 1450                                                   | 57                                                            | ●         | 7010.6480.47 |
| 15                     | 32                       | 32                       | 2)                   | 110                                             | 1650                                                   | 98                                                            | ●         | 7010.6490.13 |
| 15                     | 32                       | 32                       | 2)                   | 110                                             | 1650                                                   | 98                                                            | ●         | 7010.6490.47 |

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1) 300 A @ 125 VAC/DC

2) 300 A @ 32 VAC/DC

|                |                        |                                                                                              |
|----------------|------------------------|----------------------------------------------------------------------------------------------|
| Packaging Unit | .xx = .13<br>.xx = .47 | Plastic Bag, Fuse Length 86 mm (100 pcs.)<br>Taped 19 cm Reel, Fuse Length 86 mm (1500 pcs.) |
|----------------|------------------------|----------------------------------------------------------------------------------------------|