

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



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



### Description

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

### Standards

- IEC 60127-2/2
- UL 248-14
- CSA C22.2 no. 248.14

### Approvals

- VDE Certificate Number: 40016088
- UL File Number: E41599

### Applications

- Primary Protection in Equipment

### References

Pigtail Type [FSF 5x20 Pigtail](#)  
Assembled Fuseholder [OGN-SMD](#)  
Fuse Kit [Fuse Kit FSF 5x20](#)

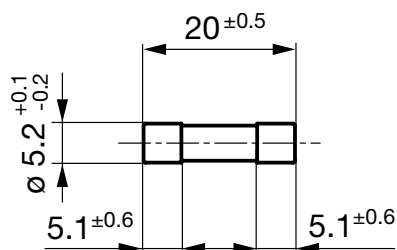
### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [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 |

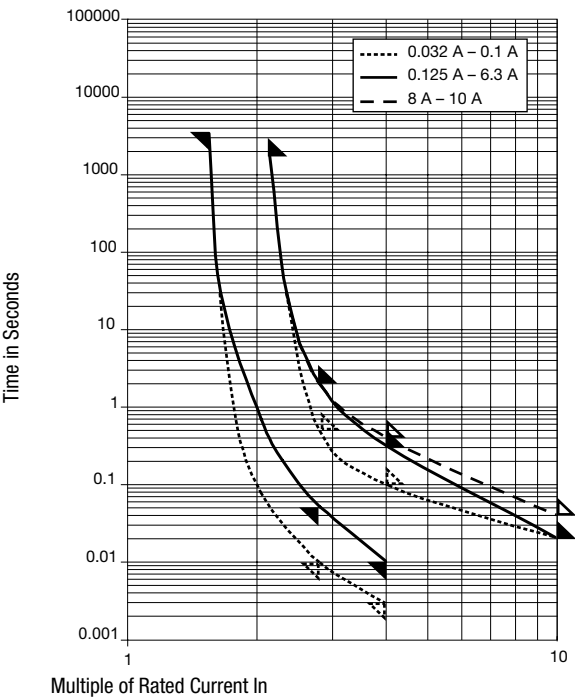
### Dimension



### 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 In max. [mV] | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.5 In max. [mW] | Power Dissipation 1.5 In typ. [mW] | Melting I <sup>2</sup> t 10.0 Intyp. [A <sup>2</sup> 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 Cur-<br>rent [A] | Rated Vol-<br>tage [VAC] | Breaking<br>Capacity | Voltage Drop<br>1.0 I <sub>n</sub> max.<br>[mV] | Voltage Drop<br>1.0 I <sub>n</sub> typ.<br>[mV] | Power Dissi-<br>pation 1.5 I <sub>n</sub><br>max. [mW] | Power Dissi-<br>pation 1.5 I <sub>n</sub><br>typ. [mW] | Melting I <sup>2</sup> t<br>10.0 Intyp.<br>[A <sup>2</sup> s] |      | Order Number |
|------------------------|--------------------------|----------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|------------------------|--------------------------|----------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|

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

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

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