

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



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



### Description

- IEC Standard Fuse
- H = High Breaking Capacity (Ceramic Tube)

### Standards

- IEC 60127-2/1
- UL 248-14
- CSA C22.2 no. 248.14

### Approvals

- VDE Certificate Number: 40009397
- UL File Number: E41599

### Applications

- Primary Protection in Equipment

### References

Pigtail Type [SP 5x20 Pigtail](#)  
Fuse Kit [Fuse Kit FST 5x20 / SP 5x20](#); [Fuse Kit SP 5x20 / SPT 5x20](#)

### Weblinks

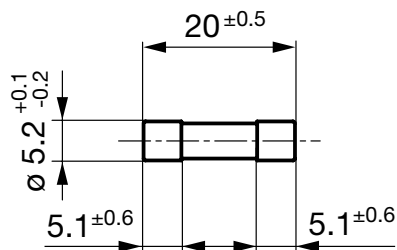
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

### Technical Data

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| Rated Voltage                | 250 VAC                                                                      |
| Rated current                | 0.5 - 16A                                                                    |
| Breaking Capacity            | 500 A - 1500 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               | Ceramic                                                                      |
| Material: Endcaps            | Nickel-Plated Copper Alloy                                                   |
| Unit Weight                  | 1.18 g                                                                       |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                 |
| Product Marking              | , Rated current, Rated voltage, Characteristic, Breaking Capacity, Approvals |

### Dimension

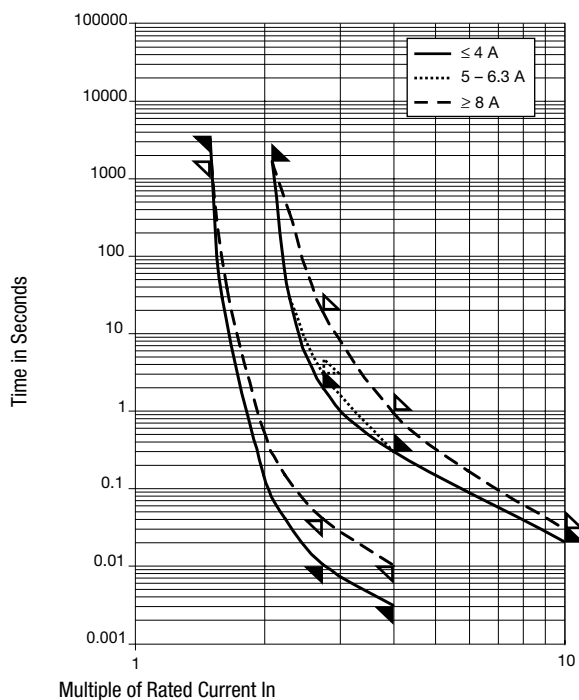
20 mm



### 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. |
|------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| 0.5 A - 4 A      | 60 min        | 30 min        | 10 ms          | 2 s            | 3 ms          | 300 ms        | 20 ms          |
| 5 A - 6.3 A      | 60 min        | 30 min        | 10 ms          | 3 s            | 3 ms          | 300 ms        | 20 ms          |
| 8 A - 10 A       | 30 min        | 30 min        | 40 ms          | 20 s           | 10 ms         | 1 s           | 30 ms          |
| 12.5 A - 16 A    | 15 min        | 30 min        | 40 ms          | 20 s           | 10 ms         | 1 s           | 30 ms          |

## Time-Current-Curves



## All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I <sub>n</sub> max. [mV] | Voltage Drop 1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.5 I <sub>n</sub> max. [mW] | Power Dissipation 1.5 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 I <sub>n</sub> typ. [A <sup>2</sup> s] |   |   |   |   |   | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------|---|---|---|---|---|--------------|
| 0.5               | 250                 | 1)                | 1800                                      | 830                                       | 2500                                           | 2400                                           | 0.098                                                                | ● | ● |   | ● | ● | 0001.1001    |
| 0.63              | 250                 | 1)                | 1500                                      | 800                                       | 2500                                           | 2400                                           | 0.207                                                                | ● | ● |   | ● | ● | 0001.1002    |
| 0.8               | 250                 | 1)                | 1200                                      | 580                                       | 2500                                           | 2400                                           | 0.469                                                                | ● | ● |   | ● | ● | 0001.1003    |
| 1                 | 250                 | 1)                | 1000                                      | 600                                       | 2500                                           | 2500                                           | 0.75                                                                 | ● | ● | ● | ● | ● | 0001.1004    |
| 1.25              | 250                 | 1)                | 800                                       | 270                                       | 4000                                           | 1000                                           | 0.538                                                                | ● | ● | ● | ● | ● | 0001.1005    |
| 1.6               | 250                 | 1)                | 600                                       | 350                                       | 4000                                           | 1600                                           | 0.755                                                                | ● | ● | ● | ● | ● | 0001.1006    |
| 2                 | 250                 | 1)                | 500                                       | 260                                       | 4000                                           | 1600                                           | 2                                                                    | ● | ● | ● | ● | ● | 0001.1007    |
| 2.5               | 250                 | 1)                | 400                                       | 260                                       | 4000                                           | 1900                                           | 3.28                                                                 | ● | ● | ● | ● | ● | 0001.1008    |
| 3.15              | 250                 | 1)                | 350                                       | 210                                       | 4000                                           | 1900                                           | 6.78                                                                 | ● | ● | ● | ● | ● | 0001.1009    |
| 4                 | 250                 | 1)                | 300                                       | 200                                       | 4000                                           | 2400                                           | 12.6                                                                 | ● | ● | ● | ● | ● | 0001.1010    |
| 5                 | 250                 | 1)                | 250                                       | 160                                       | 4000                                           | 2400                                           | 30.8                                                                 | ● | ● | ● | ● | ● | 0001.1011    |
| 6.3               | 250                 | 1)                | 200                                       | 150                                       | 4000                                           | 3200                                           | 36.7                                                                 | ● | ● | ● | ● | ● | 0001.1012    |
| 8                 | 250                 | 1)                | 200                                       | 140                                       | 4000                                           | 3900                                           | 81.9                                                                 | ● | ● | ● |   | ● | 0001.1013    |
| 10                | 250                 | 1)                | 200                                       | 130                                       | 4000                                           | 3000                                           | 141                                                                  | ● | ● | ● |   | ● | 0001.1014    |
| 12.5              | 250                 | 2)                | -                                         | 110                                       | -                                              | 6900                                           | 203                                                                  |   | ● | ● |   |   | 0001.1015    |
| 16                | 250                 | 2)                | -                                         | 120                                       | -                                              | 7400                                           | 461                                                                  |   | ● |   |   |   | 0001.1016    |

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1) IEC: H = 1500 A @ 250 VAC, p.f. = 0.7 - 0.8

1) UL: 10 kA @ 125 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 250 VAC, p.f. = 0.7 - 0.8

2) IEC: 1000 A @ 250 VAC

2) UL: 500 A @ 125 VAC, p.f. = 0.7 - 0.8 / 1000 A @ 125 VAC / 500 A @ 250 VAC

## Packaging Unit

xxxx.xxxx  
xxxx.xxxx.G

Small Box Pack (10 pcs.)  
Bulk 128 x 91 x 60 mm (1000 pcs.)