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 5x20

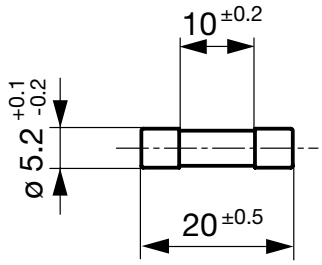
## Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

## Technical Data

| | |
|---|---|
| Rated Voltage | 250 VAC |
| Rated current | 0.5 - 16 A |
| 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 | S, Current, Rated voltage, Characteristic, Breaking Capacity, Approvals |

## Dimension

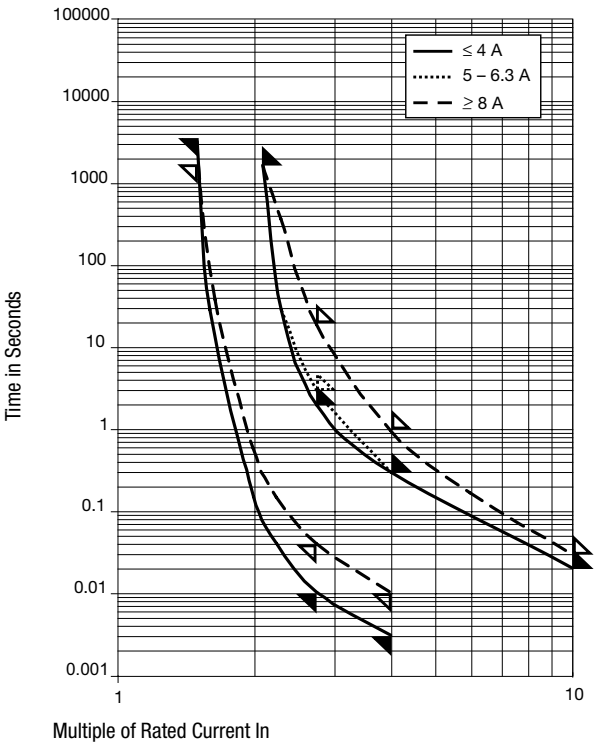
20 mm




## 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 In max. [mV] | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.5 $I_n$ max. [mW] | Power Dissipation 1.5 $I_n$ typ. [mW] | Melting I²t 10.0 Intyp. [A²s] | | | | | | | 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 |

Most Popular.

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

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The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.