# FSF 5x20 Pigtail

Miniature Fuse with Pigtail, 5.4 x 22.5 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
- UL File Number: E41599

## Applications
- Primary Protection on PCB

## References
Packaging Details

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

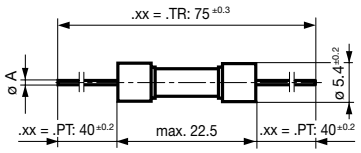
## Technical Data

| | |
|---|---|
| Rated Voltage | 250 VAC |
| Rated current | 0.1 - 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 |
| Material: Axial Leads | Tin-Plated Copper |
| Unit Weight | 1.48 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking | , Rated current, Rated Voltage, Characteristic, Breaking Capacity, Approvals |

| | |
|---|---|
| Soldering Methods | Wave, Iron<br>Soldering Profile |
| 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 |

## Dimension

22.5 mm

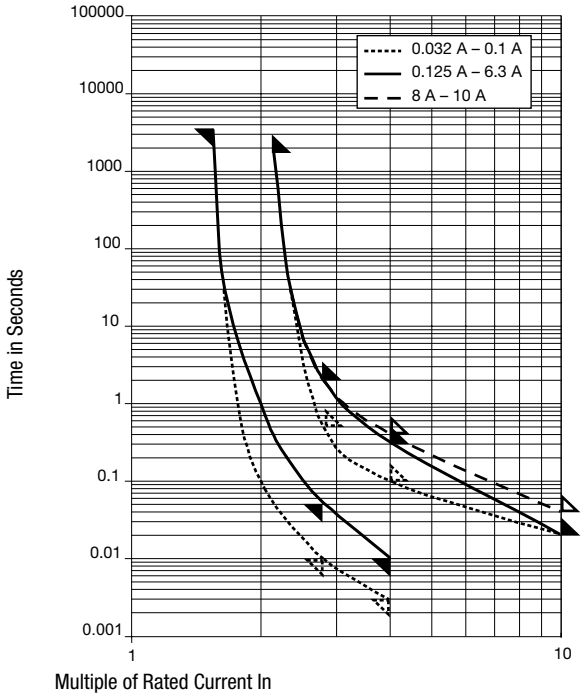



In ≤ 6.3 A: ØA = 0.65 mm
8 A ≤ In ≤ 12.5 A: ØA = 0.8 mm
In ≥ 16 A: ØA = 1.0 mm

## 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. |
|---|---|---|---|---|---|---|---|
| 0.032 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 $I_n$ max. [mW] | Power Dissipation 1.5 $I_n$ typ. [mW] | Melting $I^2t$ 10.0 Intyp. [$A^2s$] | cULus | Order Number |
|---|---|---|---|---|---|---|---|---|---|
| 0.1 | 250 | 1) | 3500 | 840 | 1600 | 400 | 0.0014 | ● | 0034.1506.TR |
| 0.125 | 250 | 1) | 2000 | 610 | 1600 | 400 | 0.00484 | ● | 0034.1507.PT |
| 0.125 | 250 | 1) | 2000 | 610 | 1600 | 400 | 0.00484 | ● | 0034.1507.TR |
| 0.16 | 250 | 1) | 2000 | 550 | 1600 | 500 | 0.0113 | ● | 0034.1508.PT |
| 0.16 | 250 | 1) | 2000 | 550 | 1600 | 500 | 0.0113 | ● | 0034.1508.TR |
| 0.2 | 250 | 1) | 1700 | 540 | 1600 | 500 | 0.0252 | ● | 0034.1509.PT |
| 0.2 | 250 | 1) | 1700 | 540 | 1600 | 500 | 0.0252 | ● | 0034.1509.TR |
| 0.5 | 250 | 1) | 1000 | 150 | 1600 | 200 | 0.151 | ● | 0034.1513.PT |
| 0.5 | 250 | 1) | 1000 | 150 | 1600 | 200 | 0.151 | ● | 0034.1513.TR |
| 0.63 | 250 | 1) | 650 | 140 | 1600 | 300 | 0.303 | ● | 0034.1514.PT |
| 0.63 | 250 | 1) | 650 | 140 | 1600 | 300 | 0.303 | ● | 0034.1514.TR |
| 0.8 | 250 | 1) | 240 | 110 | 1600 | 300 | 0.508 | ● | 0034.1515.PT |
| 0.8 | 250 | 1) | 240 | 110 | 1600 | 300 | 0.58 | ● | 0034.1515.TR |
| 1 | 250 | 1) | 200 | 110 | 1600 | 300 | 1.13 | ● | 0034.1516.PT |
| 1 | 250 | 1) | 200 | 110 | 1600 | 300 | 1.13 | ● | 0034.1516.TR |
| 1.25 | 250 | 1) | 200 | 100 | 1600 | 400 | 1.81 | ● | 0034.1517.PT |
| 1.25 | 250 | 1) | 200 | 100 | 1600 | 400 | 1.81 | ● | 0034.1517.TR |
| 1.6 | 250 | 1) | 190 | 100 | 1600 | 500 | 2.94 | ● | 0034.1518.PT |
| 1.6 | 250 | 1) | 190 | 100 | 1600 | 500 | 2.94 | ● | 0034.1518.TR |
| 2 | 250 | 1) | 170 | 90 | 1600 | 600 | 5.28 | ● | 0034.1519.PT |
| 2 | 250 | 1) | 170 | 90 | 1600 | 600 | 5.28 | ● | 0034.1519.TR |
| 2.5 | 250 | 1) | 170 | 90 | 1600 | 800 | 9.19 | ● | 0034.1520.PT |
| 2.5 | 250 | 1) | 170 | 90 | 1600 | 800 | 9.19 | ● | 0034.1520.TR |
| 3.15 | 250 | 1) | 150 | 90 | 2500 | 600 | 16.1 | ● | 0034.1521.PT |
| 3.15 | 250 | 1) | 150 | 90 | 2500 | 600 | 16.1 | ● | 0034.1521.TR |
| 4 | 250 | 2) | 130 | 90 | 2500 | 1000 | 25.6 | ● | 0034.1522.PT |
| 4 | 250 | 2) | 130 | 90 | 2500 | 1000 | 25.6 | ● | 0034.1522.TR |
| 5 | 250 | 2) | 130 | 80 | 2500 | 1300 | 33.8 | ● | 0034.1523.PT |
| 5 | 250 | 2) | 130 | 80 | 2500 | 1300 | 33.8 | ● | 0034.1523.TR |

| 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 $I^2t$ 10.0 Intyp. [$A^2s$] | cULus | Order Number |
|---|---|---|---|---|---|---|---|---|---|
| 6.3 | 250 | 2) | 130 | 80 | 2500 | 2000 | 53.2 | ● | 0034.1524.PT |
| 6.3 | 250 | 2) | 130 | 80 | 2500 | 2000 | 53.2 | ● | 0034.1524.TR |
| 8 | 250 | 2) | 130 | 80 | 4000 | 2300 | 93.4 | ● | 0034.1525.PT |
| 8 | 250 | 2) | 130 | 80 | 4000 | 2300 | 93.4 | ● | 0034.1525.TR |
| 10 | 250 | 2) | 130 | 70 | 4000 | 2500 | 93.4 | | 0034.1526.PT |
| 10 | 250 | 2) | 130 | 70 | 4000 | 2500 | 93.4 | | 0034.1526.TR |

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

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

**Packaging Unit**

.xx = .PT Bulk (1000 pcs.)
.xx = .TR Taped 33 cm Reel (1000 pcs.)

19.11.2016