

Subminiature Fuse, 8.5 mm, Quick-Acting F, 250 VAC, 250 VDC



IEC 60127-3 · 250VAC · Quick-Acting F



Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

Standards

- IEC 60127-3/3
- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- VDE Certificate Number: 101035
- UL File Number: E41599
- CSA File Number: 51172


References

[Packaging Details](#)
Corresponding Fuseholder [FMS \(250V\)](#)
Fuse Kit [Fuse Kit Microfuse](#)

Weblinks

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

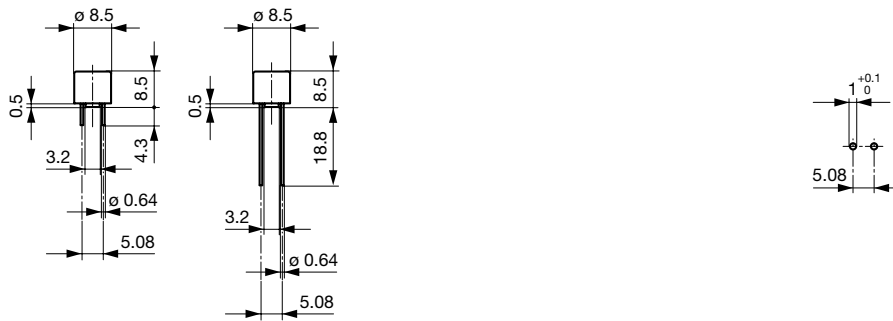
Technical Data

| | |
|------------------------------|---|
| Rated Voltage | 250VAC |
| Rated current | 0.04 - 5A |
| Breaking Capacity | 35A |
| Characteristic | Quick-Acting F |
| Mounting | PCB,THT |
| Admissible Ambient Air Temp. | -40°C to 85°C |
| Climatic Category | 40/085/21 acc. to IEC 60068-1 |
| Material: Housing | Thermoplastic, UL 94V-0 |
| Material: Terminals | Tin-Plated Copper |
| Unit Weight | 0.5 g |
| Storage Conditions | 0°C to 40°C, max. 70% r.h. |
| Product Marking |  Type, Current, Rated voltage, Characteristic, Approvals |

| | |
|------------------------------|--|
| Soldering Methods | Wave, Iron |
| Solderability | 235°C / 2 sec acc. to IEC 60068-2-20, Test Ta |
| Resistance to Soldering Heat | 260°C / 10 sec acc. to IEC 60068-2-20, Test Tb |
| Resistance to Vibration | acc. to IEC 60068-2-6, test Fc |
| Current Carrying Capacity | acc. to EIA/IS-722, Test 4.3.3 |
| Life Test | 1000h @ 0.60 x In @ 70°C (acc. to EIA/IS-722, Test 4.4.1) |
| Load Humidity Test | 0.1 x In @ 0.85 r.H. @ 85°C (acc. to EIA/IS-722, Test 4.4.2) |
| Moisture Resistance Test | (acc. to EIA/IS-722, Test 4.4.3) |
| Terminal Strength | Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1) |
| Thermal Shock | MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C) |
| Case Resistance | >100 MΩ (between leads and body) acc. to EIA/IS-722, Test 4.7 |
| Mechanical Shock | MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms) |
| Resistance to Solvents | MIL-STD-202, Method 215A |
| Flammability | UL 94V-0 (acc. to EIA/IS-722, Test 4.12) |

Dimension

8.5 mm



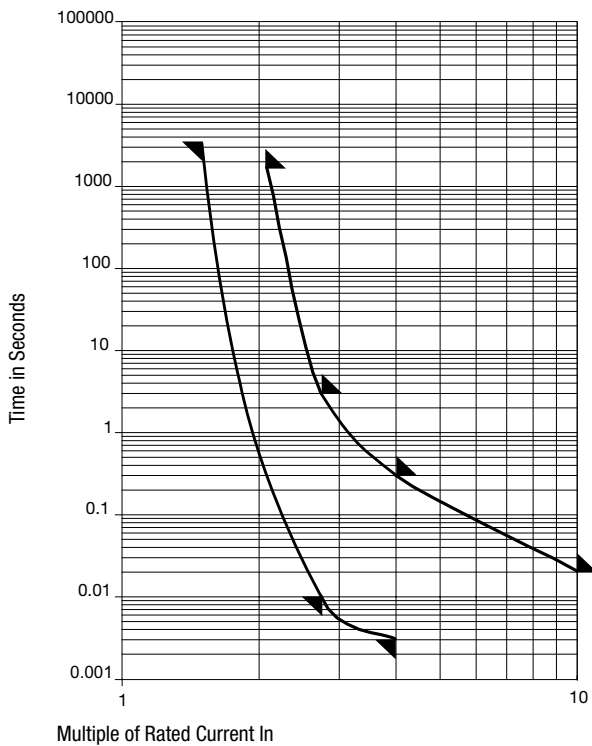
Drilling diagram

Pre-Arcing Time




Rated Current I_n 1.5 x I_n min. 2.1 x I_n max. 2.75 x I_n min. 2.75 x I_n max. 4.0 x I_n min. 4.0 x I_n max. 10.0 x I_n max.


| | | | | | | | |
|--------------|--------|--------|-------|-----|------|--------|-------|
| 0.04 A - 5 A | 60 min | 30 min | 10 ms | 3 s | 3 ms | 300 ms | 20 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] | Melting I ² t 10.0 Intyp. [A ² s] |  |  |  | S | L | T | Order Number |
|-------------------|---------------------|-------------------|-------------------------------|-------------------------------|--|---|---|--|---|---|---|---|--------------|
| 0.04 | 250 | 1) | - | 400 | - | 0.00016 | ● | | | ● | | | 0034.6000 |
| 0.05 | 250 | 1) | 850 | 460 | 110 | 0.0004 | ● | ● | ● | ● | | | 0034.6001 |
| 0.063 | 250 | 1) | 750 | 330 | 120 | 0.001 | ● | ● | ● | ● | | | 0034.6002 |
| 0.08 | 250 | 1) | 650 | 280 | 140 | 0.001 | ● | ● | ● | ● | | | 0034.6003 |
| 0.1 | 250 | 1) | 600 | 300 | 160 | 0.002 | ● | ● | ● | ● | | | 0034.6004 |
| 0.125 | 250 | 1) | 550 | 210 | 180 | 0.006 | ● | ● | ● | ● | | | 0034.6005 |
| 0.16 | 250 | 1) | 500 | 460 | 210 | 0.014 | ● | ● | ● | ● | | | 0034.6006 |
| 0.2 | 250 | 1) | 480 | 470 | 250 | 0.024 | ● | ● | ● | ● | | | 0034.6007 |
| 0.25 | 250 | 1) | 440 | 360 | 290 | 0.058 | ● | ● | ● | ● | | | 0034.6008 |
| 0.315 | 250 | 1) | 400 | 345 | 330 | 0.104 | ● | ● | ● | ● | | | 0034.6009 |
| 0.4 | 250 | 1) | 370 | 80 | 390 | 0.044 | ● | ● | ● | ● | | | 0034.6010 |
| 0.5 | 250 | 1) | 350 | 75 | 460 | 0.09 | ● | ● | ● | ● | | | 0034.6011 |
| 0.63 | 250 | 1) | 320 | 70 | 530 | 0.15 | ● | ● | ● | ● | | | 0034.6012 |
| 0.8 | 250 | 1) | 300 | 70 | 630 | 0.22 | ● | ● | ● | ● | | | 0034.6013 |
| 1 | 250 | 1) | 280 | 70 | 740 | 0.33 | ● | ● | ● | ● | | | 0034.6014 |
| 1.25 | 250 | 1) | 280 | 65 | 920 | 0.68 | ● | ● | ● | ● | | | 0034.6015 |
| 1.6 | 250 | 1) | 250 | 70 | 1000 | 0.94 | ● | ● | ● | ● | | | 0034.6016 |
| 2 | 250 | 1) | 240 | 70 | 1360 | 1.3 | ● | ● | ● | ● | | | 0034.6017 |
| 2.5 | 250 | 1) | 200 | 65 | 1310 | 1.9 | ● | ● | ● | ● | | | 0034.6018 |
| 3.15 | 250 | 1) | 180 | 65 | 1490 | 5.4 | ● | ● | ● | ● | | | 0034.6019 |
| 4 | 250 | 2) | 160 | 60 | 1680 | 7.9 | ● | | | ● | | | 0034.6020 |
| 5 | 250 | 2) | 150 | 60 | 1970 | 11.2 | ● | | | ● | | | 0034.6021 |
| 0.04 | 250 | 1) | - | 400 | - | 0.00016 | ● | | | | ● | | 0034.6030 |
| 0.05 | 250 | 1) | 850 | 460 | 110 | 0.0004 | ● | ● | ● | ● | | | 0034.6031 |
| 0.063 | 250 | 1) | 750 | 330 | 120 | 0.001 | ● | ● | ● | ● | | | 0034.6032 |
| 0.08 | 250 | 1) | 650 | 280 | 140 | 0.001 | ● | ● | ● | ● | | | 0034.6033 |
| 0.1 | 250 | 1) | 600 | 300 | 160 | 0.002 | ● | ● | ● | ● | | | 0034.6034 |
| 0.125 | 250 | 1) | 550 | 210 | 180 | 0.006 | ● | ● | ● | ● | | | 0034.6035 |
| 0.16 | 250 | 1) | 500 | 460 | 210 | 0.014 | ● | ● | ● | ● | | | 0034.6036 |
| 0.2 | 250 | 1) | 480 | 470 | 250 | 0.024 | ● | ● | ● | ● | | | 0034.6037 |
| 0.25 | 250 | 1) | 440 | 360 | 290 | 0.058 | ● | ● | ● | ● | | | 0034.6038 |
| 0.315 | 250 | 1) | 400 | 345 | 330 | 0.104 | ● | ● | ● | ● | | | 0034.6039 |
| 0.4 | 250 | 1) | 370 | 80 | 390 | 0.044 | ● | ● | ● | ● | | | 0034.6040 |
| 0.5 | 250 | 1) | 350 | 75 | 460 | 0.09 | ● | ● | ● | ● | | | 0034.6041 |
| 0.63 | 250 | 1) | 320 | 70 | 530 | 0.15 | ● | ● | ● | ● | | | 0034.6042 |
| 0.8 | 250 | 1) | 300 | 70 | 630 | 0.22 | ● | ● | ● | ● | | | 0034.6043 |
| 1 | 250 | 1) | 280 | 70 | 740 | 0.33 | ● | ● | ● | ● | | | 0034.6044 |
| 1.25 | 250 | 1) | 280 | 65 | 920 | 0.68 | ● | ● | ● | ● | | | 0034.6045 |
| 1.6 | 250 | 1) | 250 | 70 | 1000 | 0.94 | ● | ● | ● | ● | | | 0034.6046 |
| 2 | 250 | 1) | 240 | 70 | 1360 | 1.3 | ● | ● | ● | ● | | | 0034.6047 |
| 2.5 | 250 | 1) | 200 | 65 | 1310 | 1.9 | ● | ● | ● | ● | | | 0034.6048 |
| 3.15 | 250 | 1) | 180 | 65 | 1490 | 5.4 | ● | ● | ● | ● | | | 0034.6049 |
| 4 | 250 | 2) | 160 | 60 | 1680 | 7.9 | ● | | | ● | | | 0034.6050 |
| 5 | 250 | 2) | 150 | 60 | 1970 | 11.2 | ● | | | ● | | | 0034.6051 |
| 0.04 | 250 | 1) | - | 400 | - | 0.00016 | ● | | | | ● | | 0034.6060 |
| 0.05 | 250 | 1) | 850 | 460 | 110 | 0.0004 | ● | ● | ● | ● | | | 0034.6061 |
| 0.063 | 250 | 1) | 750 | 330 | 120 | 0.001 | ● | ● | ● | ● | | | 0034.6062 |
| 0.08 | 250 | 1) | 650 | 280 | 140 | 0.001 | ● | ● | ● | ● | | | 0034.6063 |
| 0.1 | 250 | 1) | 600 | 300 | 160 | 0.002 | ● | ● | ● | ● | | | 0034.6064 |
| 0.125 | 250 | 1) | 550 | 210 | 180 | 0.006 | ● | ● | ● | ● | | | 0034.6065 |
| 0.16 | 250 | 1) | 500 | 460 | 210 | 0.014 | ● | ● | ● | ● | | | 0034.6066 |
| 0.2 | 250 | 1) | 480 | 470 | 250 | 0.024 | ● | ● | ● | ● | | | 0034.6067 |
| 0.25 | 250 | 1) | 440 | 360 | 290 | 0.058 | ● | ● | ● | ● | | | 0034.6068 |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I _n max. [mV] | Voltage Drop 1.0 I _n typ. [mV] | Power Dissipation 1.5 I _n max. [mW] | Melting I ² t 10.0 Intyp. [A ² s] |  | S | L | T | Order Number |
|-------------------|---------------------|-------------------|---|---|--|---|--|---|---|---|--------------|
| 0.315 | 250 | 1) | 400 | 345 | 330 | 0.104 | ● ● ● | ● | | | 0034.6069 |
| 0.4 | 250 | 1) | 370 | 80 | 390 | 0.044 | ● ● ● | ● | | | 0034.6070 |
| 0.63 | 250 | 1) | 320 | 70 | 530 | 0.15 | ● ● ● | ● | | | 0034.6072 |
| 0.8 | 250 | 1) | 300 | 70 | 630 | 0.22 | ● ● ● | ● | | | 0034.6073 |
| 1 | 250 | 1) | 280 | 70 | 740 | 0.33 | ● ● ● | ● | | | 0034.6074 |
| 1.25 | 250 | 1) | 280 | 65 | 920 | 0.68 | ● ● ● | ● | | | 0034.6075 |
| 1.6 | 250 | 1) | 250 | 70 | 1000 | 0.94 | ● ● ● | ● | | | 0034.6076 |
| 2 | 250 | 1) | 240 | 70 | 1360 | 1.3 | ● ● ● | ● | | | 0034.6077 |
| 2.5 | 250 | 1) | 200 | 65 | 1310 | 1.9 | ● ● ● | ● | | | 0034.6078 |
| 3.15 | 250 | 1) | 180 | 65 | 1490 | 5.4 | ● ● ● | ● | | | 0034.6079 |
| 4 | 250 | 2) | 160 | 60 | 1680 | 7.9 | ● | | | | 0034.6080 |
| 5 | 250 | 2) | 150 | 60 | 1970 | 11.2 | ● | | | | 0034.6081 |

Most Popular.

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 I_n @ 250 VAC

Packaging Unit

S = Plastic Bag (100 pcs.)
L = Bulk (100 pcs.)
T = Taped 36 cm Reel (750 pcs.)