

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



Subminiature fuse 8.5 mm, quick-acting
F, 250 VAC
Short terminal



Subminiature fuse 8.5 mm, quick-acting
F, 250 VAC
Terminal long
PCB Mounting

IEC 60127-3 · 250VAC · Quick-Acting F

See below:

[Approvals and Compliances](#)

Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

References

[Packaging Details](#)


Corresponding Fuseholder

Fuse Kit [Fuse Kit MST250 / MSF 250](#)

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Packaging details](#), [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, Rated current, Rated Voltage, Characteristic, Certification marks |

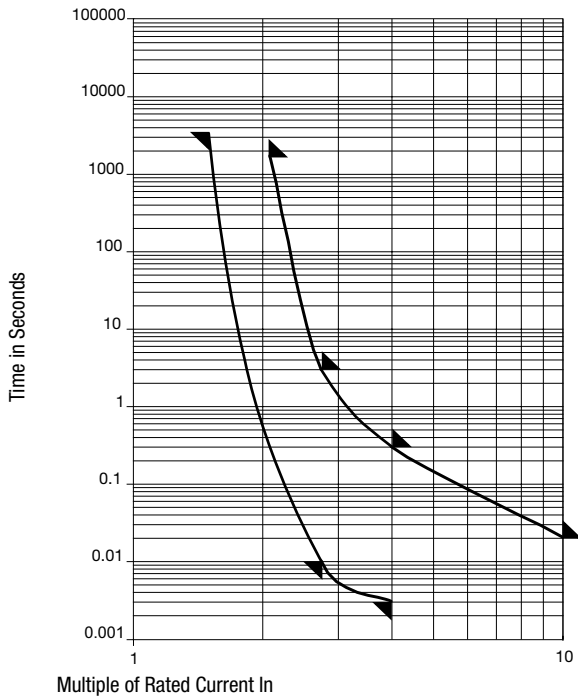
| | |
|------------------------------|--|
| Soldering Methods | Wave Soldering Profile |
| Solderability | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb |
| Case Resistance | >100 MΩ (between leads and body) acc. to EIA/IS-722, Test 4.7 |
| Flammability | UL 94V-0 (acc. to EIA/IS-722, Test 4.12) |
| Resistance to Vibration | acc. to IEC 60068-2-6, test Fc |
| Current Carrying Capacity | acc. to EIA/IS-722, Test 4.3.3 |
| Moisture Resistance Test | (acc. to EIA/IS-722, Test 4.4.3) |
| Thermal Shock | MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C) |
| Operational Life | 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) |
| Mechanical Shock | MIL-STD-202, Method 213 Condition A |
| Resistance to Solvents | MIL-STD-202, Method 215 |
| Terminal Strength | Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1) |

Approvals and Compliances




Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)




SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Time-Current-Curves



All Variants

| 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 I²t 10.0 I _n typ. [A²s] |    | 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 |

| 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 I _n typ. [A ² s] |  |  |  | S | L | T | Order Number |
|-------------------|---------------------|-------------------|---|---|--|--|---|--|---|---|---|---|--------------|
| 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 |
| 0.315 | 250 | 1) | 400 | 345 | 330 | 0.104 | ● | ● | ● | | | | 0034.6069 |
| 0.4 | 250 | 1) | 370 | 80 | 390 | 0.044 | ● | ● | ● | | | | 0034.6070 |
| 0.5 | 250 | 1) | 350 | 75 | 460 | 0.09 | ● | ● | ● | | | | 0034.6071 |
| 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: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

Packaging Unit

S = 4.3 mm
L = 18.8 mm
T = 18.8 mm

Plastic Bag (100 pcs.)
Bulk (100 pcs.)
Taped 36 cm Reel (750 pcs.)