

Surface Mount Fuse, 11 x 4.6 mm



IEC 60127-4 · 250 VAC · 250 VDC · Quick-Acting F

**Description**

- Directly solderable on printed circuit boards

**Standards**

- IEC 60127-4/2
- UL 248-14
- CSA C22.2 no. 248.14

**Approvals**

- VDE License Number: 106328
- UL File Number: E41599

**Applications**

- Primary Protection on SMD PCB
- Industrial electronic

**References**

[General Product Information](#)

Time-Current Curves see last page

Fuse Kit [OMF Fuses](#)



[Packaging Details](#)

**Weblinks**

Approvals: <http://www.schurter.com/approvals>

RoHS: <http://www.schurter.com/rohs>

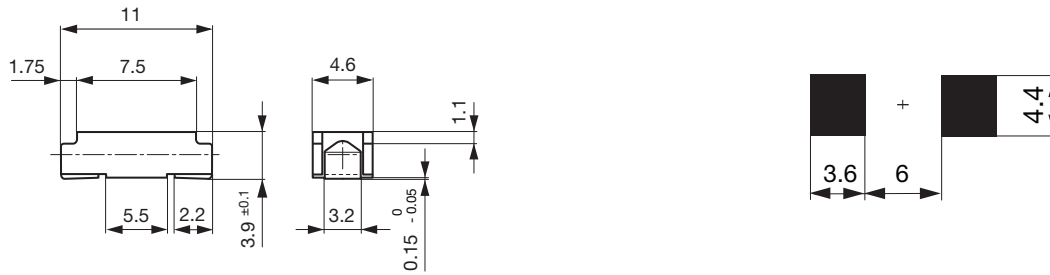
**Technical Data**

|                              |  |
|------------------------------|--|
| Rated Voltage                | 250 VAC, 250 VDC   |
| Rated Current                | 0.25 - 4 A   |
| Breaking Capacity            | 100 A  |
| Characteristic               | Quick-Acting F   |
| Mounting                     | PCB,SMT  |
| 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 Alloy  |
| Unit Weight                  | 0.36 g   |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.   |
| Product Marking              |   , Type, Current Rating, Characteristic, Breaking Capacity, Approvals |

|                              |   |
|------------------------------|---|
| Soldering Methods            | Reflow, Wave  |
| Solderability                | 245 °C / 3 sec acc. to IEC 60068-2-58, Test Td                      |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-58, Test Td                     |
| Load Humidity Test           | MIL-STD-202, Method 103B (1000h @ 0.1*In @ 0.85 r.H. @ 85°C)        |
| Moisture Resistance Test     | MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)      |
| Terminal Strength            | MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)    |
| Thermal Shock                | MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C) |
| Case Resistance              | acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)       |
| Mechanical Shock             | MIL-STD-202, Method 213B (Shock 50gn, half sine wave, 11 ms)        |
| Vibration, High Frequency    | MIL-STD-202, Method 204D (Shock 20 gn, 20 min, 10-2 kHz, 12 cyc.)   |
| Resistance to Solvents       | MIL-STD-202, Method 215A  |
| Flammability                 | min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)                       |

Dimensions

Length  11 mm






Solder pads

Pre-Arcing Time

| Rated Current In | 1.25 x In<br>min. | 2.0 x In<br>max. | 10.0 x In<br>min. | 10.0 x In<br>max. |
|------------------|-------------------|------------------|-------------------|-------------------|
| 0.25 A - 4 A     | 60 min            | 120 s            | 1 ms              | 10 ms             |

Variants

| Order Number | Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 In max [mV] | Voltage Drop 1.0 In typ [mV] | Power Dissipation 1.25 In typ [mW] | Melting I <sup>2</sup> t 10.0 In typ [A <sup>2</sup> s] |  |  |  |
|--------------|-------------------|---------------------|---------------------|-------------------|------------------------------|------------------------------|------------------------------------|---|---|---|---|
| 3403.0010.xx | 0.25              | 250                 | 250                 | 1)                |                              | 1100                         | 480                                | 0.012   | ●   | ●   | ●   |
| 3403.0011.xx | 0.315             | 250                 | 250                 | 1)                |                              | 1000                         | 430                                | 0.019   | ●   | ●   | ●   |
| 3403.0012.xx | 0.4               | 250                 | 250                 | 1)                | 700                          | 230                          | 190                                | 0.02  | ●   | ●   | ●   |
| 3403.0013.xx | 0.5               | 250                 | 250                 | 1)                | 600                          | 190                          | 190                                | 0.03  | ●   | ●   | ●   |
| 3403.0014.xx | 0.63              | 250                 | 250                 | 1)                | 500                          | 170                          | 230                                | 0.07  | ●   | ●   | ●   |
| 3403.0015.xx | 0.8               | 250                 | 250                 | 1)                | 400                          | 200                          | 330                                | 0.12  | ●   | ●   | ●   |
| 3403.0016.xx | 1                 | 250                 | 250                 | 1)                | 300                          | 170                          | 390                                | 0.23  | ●   | ●   | ●   |
| 3403.0017.xx | 1.25              | 250                 | 250                 | 1)                | 300                          | 150                          | 390                                | 0.47  | ●   | ●   | ●   |
| 3403.0018.xx | 1.6               | 250                 | 250                 | 1)                | 300                          | 150                          | 490                                | 0.84  | ●   | ●   | ●   |
| 3403.0019.xx | 2                 | 250                 | 250                 | 1)                | 300                          | 140                          | 600                                | 1.4   | ●   | ●   | ●   |
| 3403.0020.xx | 2.5               | 250                 | 250                 | 1)                | 300                          | 130                          | 670                                | 2.6   | ●   | ●   | ●   |
| 3403.0021.xx | 3.15              | 250                 | 250                 | 1)                | 300                          | 130                          | 870                                | 4.8   | ●   | ●   | ●   |
| 3403.0022.xx | 4                 | 250                 | 250                 | 1)                | 300                          | 100                          | 950                                | 8.6   | ●   | ●   | ●   |

1) 100 A @ 250 VAC/DC

Packaging Unit

- .xx = .11 Plastic Bag (100 pcs.)
- .xx = .24 Blister Tape 33 cm Reel (2000 pcs.)

OMF 250

