

Surface Mount Fuse, 11 x 4.6 mm, Quick-Acting F, 250 VAC, 250 DC



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](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

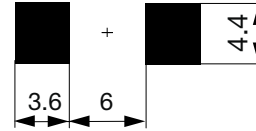
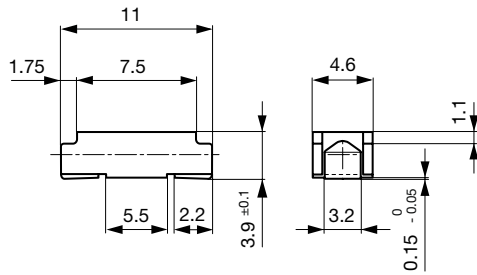
**Technical Data**

|                              |                                                                                                                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. | -55 °C to 125 °C                                                                                                                                                                                                                             |
| Climatic Category            | 55/125/21 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*ln @ 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 I <sub>n</sub> | 1.25 x I <sub>n</sub> min. | 2.0 x I <sub>n</sub> max. | 10.0 x I <sub>n</sub> min. | 10.0 x I <sub>n</sub> max. |
|------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| 0.25 A - 4 A                 | 60 min                     | 120 s                     | 1 ms                       | 10 ms                      |

## Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

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

1) 100 A @ 250 VAC/DC

## Packaging Unit

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

## Time-Current Curves

