

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 Certificate Number: 106328
- UL File Number: E41599

### Applications

- Primary protection on SMD PCBs
- Industrial electronic

### References

[Packaging Details](#)  
Fuse Kit [Fuse Kit OMF](#)

### Weblinks

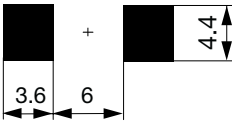
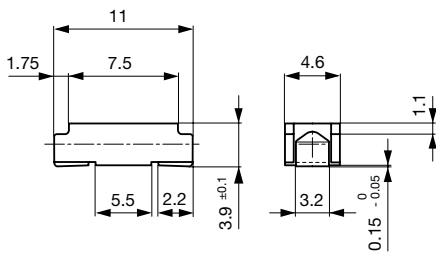
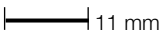
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

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

Dimension

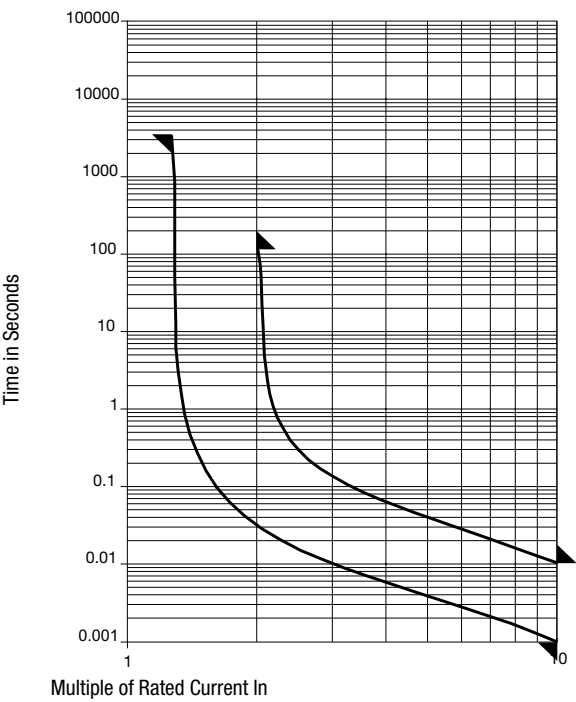


Soldering pads

Pre-Arcing Time

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

Time-Current-Curves



## All Variants

| 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 I <sub>n</sub> Intyp. [A <sup>2</sup> s] |  | 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                 | 2)                | 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 |

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1) 100 A @ 250 VAC/DC

2) 100 A @ 250 VAC/DC / 50 A @ 400 VDC

## Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)

.xx = .24 Blister Tape 33 cm Reel (2000 pcs.)