

Surface Mount Fuse, 7 x 2.54 mm, Quick-Acting F, 125 VAC, 125 VDC



UL 248-14 · 125VAC · 125VDC · Quick-Acting F

**Description**

- High breaking capacity
- Directly solderable on printed circuit boards

**Standards**

- UL 248-14
- CSA C22.2 no. 248.14

**Approvals**

- UL File Number: E42088
- CSA File Number: 34549

**Applications**

- Telecom
- Industrial electronic
- Household appliances

**References**
[Packaging Details](#)

Round Solder Pads Type 172876

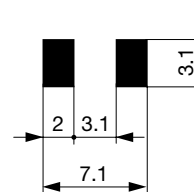
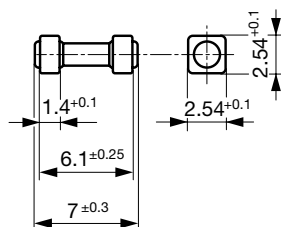
**Weblinks**

[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                | 63 - 125VAC, 65 - 125VDC                                                                    |
| Rated current                | 0.063 - 15A                                                                                 |
| Breaking Capacity            | 300A                                                                                        |
| Characteristic               | Quick-Acting F                                                                              |
| Mounting                     | PCB,SMT                                                                                     |
| Admissible Ambient Air Temp. | -55 °C to 85 °C                                                                             |
| Climatic Category            | 55/085/56 acc. to IEC 60068-1                                                               |
| Material: Tube               | Ceramic                                                                                     |
| Material: Endcaps            | Tin-Plated Copper Alloy                                                                     |
| Unit Weight                  | 0.15 g                                                                                      |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                                |
| Product Marking              |  Current |

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Soldering Methods            | Reflow, Wave                                    |
| Solderability                | 235 °C / 2 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 |

**Dimensions**
 7 mm


Soldering pads

**Pre-Arcing Time**

| Rated Current In | 1.0 x In min. | 2.0 x In max. | 2.75 x In max. | 4.0 x In max. | 10.0 x In max. |
|------------------|---------------|---------------|----------------|---------------|----------------|
| 0.063 A - 0.75 A | 4 h           | 5 s           | 300 ms         | 30 ms         | 5 ms           |
| 1 A - 15 A       | 4 h           | 10 s          | -              | 60 ms         | 5 ms           |

## Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.0 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 In typ. [A <sup>2</sup> s] |  | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|
| 0.063             | 125                 | 125                 | 1)                | 505                           | 32                                             | 0.00022                                                  | ●                                                                                 | 7010.9900.xx |
| 0.125             | 125                 | 125                 | 1)                | 590                           | 74                                             | 0.0024                                                   | ●                                                                                 | 7010.9901.xx |
| 0.25              | 125                 | 125                 | 1)                | 235                           | 59                                             | 0.0061                                                   | ●                                                                                 | 7010.9902.xx |
| 0.375             | 125                 | 125                 | 1)                | 205                           | 77                                             | 0.012                                                    | ●                                                                                 | 7010.9903.xx |
| 0.5               | 125                 | 125                 | 1)                | 190                           | 95                                             | 0.046                                                    | ●                                                                                 | 7010.9904.xx |
| 0.75              | 125                 | 125                 | 1)                | 170                           | 128                                            | 0.09                                                     | ●                                                                                 | 7010.9905.xx |
| 1                 | 125                 | 125                 | 1)                | 155                           | 155                                            | 0.11                                                     | ●                                                                                 | 7010.9906.xx |
| 1.5               | 125                 | 125                 | 1)                | 160                           | 240                                            | 0.25                                                     | ●                                                                                 | 7010.9907.xx |
| 2                 | 125                 | 125                 | 1)                | 150                           | 300                                            | 0.72                                                     | ●                                                                                 | 7010.9908.xx |
| 2.5               | 125                 | 125                 | 1)                | 145                           | 363                                            | 0.91                                                     | ●                                                                                 | 7010.9909.xx |
| 3                 | 125                 | 125                 | 1)                | 145                           | 435                                            | 1.3                                                      | ●                                                                                 | 7010.9910.xx |
| 3.5               | 125                 | 125                 | 1)                | 140                           | 490                                            | 1.7                                                      | ●                                                                                 | 7010.9911.xx |
| 4                 | 125                 | 125                 | 1)                | 135                           | 540                                            | 2.6                                                      | ●                                                                                 | 7010.9912.xx |
| 5                 | 63                  | 125                 | 2)                | 125                           | 625                                            | 4                                                        | ●                                                                                 | 7010.9913.xx |
| 7                 | 63                  | 125                 | 2)                | 125                           | 875                                            | 8.5                                                      | ●                                                                                 | 7010.9914.xx |
| 10                | 65                  | 65                  | 3)                | 110                           | 1100                                           | 31                                                       | ●                                                                                 | 7010.9915.xx |
| 12                | 65                  | 65                  | 3)                | 110                           | 1320                                           | 48                                                       | ●                                                                                 | 7010.9916.xx |
| 15                | 65                  | 65                  | 3)                | 100                           | 1500                                           | 92                                                       | ●                                                                                 | 7010.9917.xx |

1) 300 A @ 125 VAC , p.f. ≥ 0.95 / 300 A @ 125 VDC

2) 300 A @ 63 VAC , p.f. ≥ 0.95 / 300 A @ 125 VDC

3) 300 A @ 65 VAC , p.f. ≥ 0.95 / 300 A @ 65 VDC

## Packaging Unit

.xx = .03 Plastic Bag (100 pcs.)

.xx = .55 Blister Tape 18 cm Reel (500 pcs.)

.xx = .57 Blister Tape 18 cm Reel (1500 pcs.)

## Time-Current-Curves

