

Surface Mount Fuse, 7.4 x 3.1 mm, Time-Lag T, 125 VAC, 125 VDC



UL 248-14 · 125VAC · 125VDC · Time-Lag T



### Description

- Directly solderable on printed circuit boards

### Standards

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

### Approvals

- UL File Number: E41599

### References

[Packaging Details](#)

Corresponding Fuseholder [OMH 125](#)

Assembled Fuseholder [OMZ 125](#)

### 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](#)

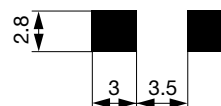
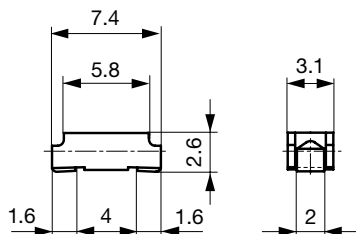
### Technical Data

|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| Rated Voltage                | 125 VAC, 125 VDC                                                                                             |
| Rated current                | 0.25 - 6.3 A                                                                                                 |
| Breaking Capacity            | 100 A                                                                                                        |
| Characteristic               | Time-Lag T                                                                                                   |
| 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                  | 0.01 g                                                                                                       |
| Storage Conditions           | 0 °C to 40 °C, max. 70% r.h.                                                                                 |
| Product Marking              |  Type, Current, Approvals |

|                              |                                                                |
|------------------------------|----------------------------------------------------------------|
| Soldering Methods            | Reflow, Wave                                                   |
| Solderability                | 245 °C / 3 sec acc. to IEC 60068-2-58, Test Td                 |
| Resistance to Soldering Heat | 260 +0/-5 °C / 40 sec acc. to IPC/JEDEC J-STD-020D, Level 1    |
| 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 |
| Case Resistance              | acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body)  |
| Mechanical Shock             | MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)    |
| Resistance to Solvents       | MIL-STD-202, Method 215A                                       |

### Dimension

 7.4 mm

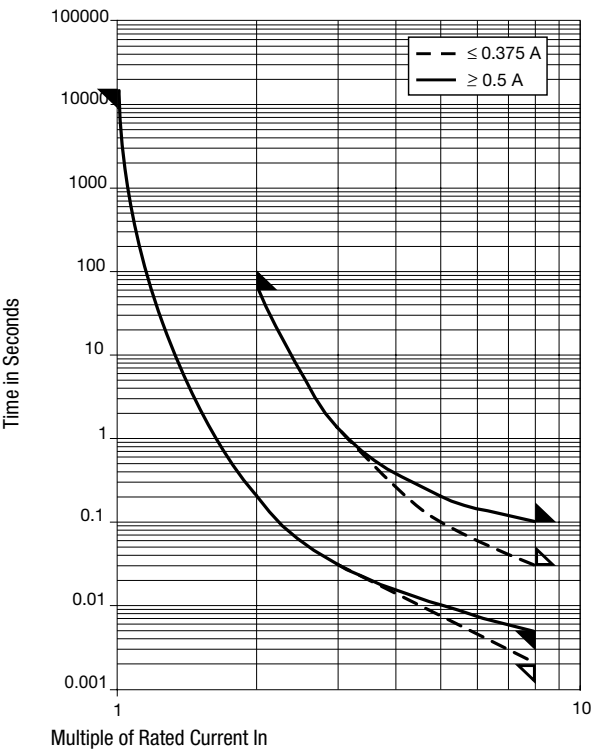


Soldering pads

### Pre-Arcing Time

| Rated Current In | 1.0 x In min. | 2.0 x In max. | 8.0 x In min. | 8.0 x In max. |
|------------------|---------------|---------------|---------------|---------------|
| 0.25 A - 0.375 A | 4 h           | 60 s          | 2 ms          | 30 ms         |
| 0.5 A - 6.3 A    | 4 h           | 60 s          | 5 ms          | 100 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> typ. [mV] | Power Dissipation 1.0 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 8.0 I <sub>n</sub> typ. [A²s] |  | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| 0.25              | 125                 | 125                 | 1)                | 142                                       | 35.5                                           | 0.02                                                   | ●                                                                                   | 3404.0110.xx |
| 0.375             | 125                 | 125                 | 1)                | 123                                       | 46.1                                           | 0.054                                                  | ●                                                                                   | 3404.0111.xx |
| 0.5               | 125                 | 125                 | 1)                | 95                                        | 47.5                                           | 0.16                                                   | ●                                                                                   | 3404.0112.xx |
| 0.75              | 125                 | 125                 | 1)                | 92                                        | 69                                             | 0.43                                                   | ●                                                                                   | 3404.0113.xx |
| 1                 | 125                 | 125                 | 1)                | 88                                        | 88                                             | 0.77                                                   | ●                                                                                   | 3404.0114.xx |
| 1.5               | 125                 | 125                 | 1)                | 82                                        | 123                                            | 1.73                                                   | ●                                                                                   | 3404.0115.xx |
| 2                 | 125                 | 125                 | 1)                | 75                                        | 150                                            | 3.58                                                   | ●                                                                                   | 3404.0116.xx |
| 2.5               | 125                 | 125                 | 1)                | 137                                       | 343                                            | 5.6                                                    | ●                                                                                   | 3404.0117.xx |
| 3                 | 125                 | 125                 | 1)                | 128                                       | 384                                            | 8.06                                                   | ●                                                                                   | 3404.0118.xx |
| 3.5               | 125                 | 125                 | 1)                | 119                                       | 417                                            | 11.76                                                  | ●                                                                                   | 3404.0119.xx |
| 4                 | 125                 | 125                 | 1)                | 77                                        | 308                                            | 12.3                                                   | ●                                                                                   | 3404.0120.xx |
| 5                 | 125                 | 125                 | 1)                | 79                                        | 395                                            | 20.8                                                   | ●                                                                                   | 3404.0121.xx |
| 6.3               | 125                 | 125                 | 1)                | 82                                        | 516                                            | 25.4                                                   | ●                                                                                   | 3404.0122.xx |

Most Popular.

Availability for all products can be searched real-time:<http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

1) 100 A @ 125 VAC / 100 A @ 125 VDC

Packaging Unit

- .xx = .11 Plastic Bag (100 pcs.)
- .xx = .22 Blister Tape 18 cm Reel (750 pcs.)
- .xx = .24 Blister Tape 33 cm Reel (3000 pcs.)