

Surface Mount Fuse with Holder, 12 x 5.2 mm, Quick-Acting F, 125 VAC, 125 VDC



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

See below:


[Approvals and Compliances](#)**Description**

- Directly solderable on printed circuit boards
- OMK 125 = OMF 125 + OMH 125

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

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

**Technical Data**

|                              |  |
|------------------------------|--|
| Rated Voltage                | 125 VAC, 125 VDC   |
| Rated current                | 0.063 - 5 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  |
| Unit Weight                  | 0.47 g   |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.   |
| Product Marking              |  Type, Rated current, Approvals |



|                              |  |
|------------------------------|--|
| Soldering Methods            | Reflow<br><a href="#">Soldering Profile</a>        |
| Solderability                | 245 °C / 3 sec acc. to IEC 60068-2-58,<br>Test Td  |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-58,<br>Test Td |

**Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)


**Product standards**

Product standards that are referenced

| Organization  | Design                | Standard           | Description                                     |
|---|-----------------------|--------------------|---|
|  | Designed according to | UL 248-14          | Low voltage fuses - Part 14: Additional fuses   |
|  | Designed according to | CSA22.2 No. 248.14 | Low-Voltage Fuses - Part 14: Supplemental Fuses |





**Application standards**

Application standards where the product can be used

| Organization  | Design                         | Standard     | Description   |
|---|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

## Compliances

The product complies with following Guide Lines

| Identification   | Details                                      | Initiator   | Description   |
|--|--|-------------|---|
|  | <a href="#">CE declaration of conformity</a> | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | RoHS   | SCHURTER AG | EU Directive RoHS 2011/65/EU  |
|  | China RoHS                                   | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.  |
|  | REACH  | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.                               |

## Dimension [mm]

12 mm



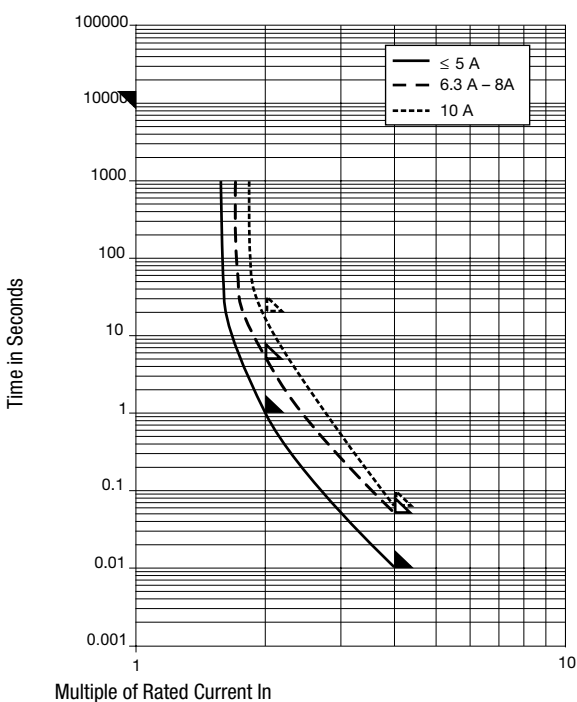
Soldering pads

## Pre-Arcing Time

Rated Current  $I_n$     1.0 x  $I_n$  min.    2.0 x  $I_n$  max.    4.0 x  $I_n$  max.

|               |     |     |       |
|---------------|-----|-----|-------|
| 0.063 A - 5 A | 4 h | 1 s | 10 ms |
|---------------|-----|-----|-------|

## Time-Current-Curves



All Variants

| Fuse | Holder | 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 4.0 I <sub>n</sub> typ. [A <sup>2</sup> s] | Order Number |
|------|--------|-------------------|---------------------|---------------------|-------------------|---|--|---|--------------|
| ●    | ●      | 0.063             | 125                 | 125                 | 1)                | 2550                                      | 160  | 0.00011   | 3404.2303.11 |
| ●    | ●      | 0.063             | 125                 | 125                 | 1)                | 2550                                      | 160  | 0.00011   | 3404.2303.22 |
| ●    | ●      | 0.063             | 125                 | 125                 | 1)                | 2550                                      | 160  | 0.00011   | 3404.2303.23 |
| ●    | ●      | 0.1               | 125                 | 125                 | 1)                | 1770                                      | 180  | 0.00067   | 3404.2304.11 |
| ●    | ●      | 0.1               | 125                 | 125                 | 1)                | 1770                                      | 180  | 0.00067   | 3404.2304.22 |
| ●    | ●      | 0.1               | 125                 | 125                 | 1)                | 1770                                      | 180  | 0.00067   | 3404.2304.23 |
| ●    | ●      | 0.125             | 125                 | 125                 | 1)                | 1770                                      | 220  | 0.0011  | 3404.2349.11 |
| ●    | ●      | 0.125             | 125                 | 125                 | 1)                | 1770                                      | 220  | 0.0011  | 3404.2349.22 |
| ●    | ●      | 0.125             | 125                 | 125                 | 1)                | 1770                                      | 220  | 0.0011  | 3404.2349.23 |
| ●    | ●      | 0.16              | 125                 | 125                 | 1)                | 1700                                      | 270  | 0.0018  | 3404.2305.11 |
| ●    | ●      | 0.16              | 125                 | 125                 | 1)                | 1700                                      | 270  | 0.0018  | 3404.2305.22 |
| ●    | ●      | 0.16              | 125                 | 125                 | 1)                | 1700                                      | 270  | 0.0018  | 3404.2305.23 |
| ●    | ●      | 0.25              | 125                 | 125                 | 1)                | 990                                       | 250  | 0.0058  | 3404.2306.11 |
| ●    | ●      | 0.25              | 125                 | 125                 | 1)                | 990                                       | 250  | 0.0058  | 3404.2306.22 |
| ●    | ●      | 0.25              | 125                 | 125                 | 1)                | 990                                       | 250  | 0.0058  | 3404.2306.23 |
| ●    | ●      | 0.35              | 125                 | 125                 | 1)                | 990                                       | 350  | 0.0076  | 3404.2343.11 |
| ●    | ●      | 0.35              | 125                 | 125                 | 1)                | 990                                       | 350  | 0.0076  | 3404.2343.22 |
| ●    | ●      | 0.35              | 125                 | 125                 | 1)                | 990                                       | 350  | 0.0076  | 3404.2343.23 |
| ●    | ●      | 0.375             | 125                 | 125                 | 1)                | 990                                       | 370  | 0.013   | 3404.2344.11 |
| ●    | ●      | 0.375             | 125                 | 125                 | 1)                | 990                                       | 370  | 0.013   | 3404.2344.22 |
| ●    | ●      | 0.375             | 125                 | 125                 | 1)                | 990                                       | 370  | 0.013   | 3404.2344.23 |
| ●    | ●      | 0.4               | 125                 | 125                 | 1)                | 960                                       | 380  | 0.016   | 3404.2307.11 |
| ●    | ●      | 0.4               | 125                 | 125                 | 1)                | 960                                       | 380  | 0.016   | 3404.2307.22 |
| ●    | ●      | 0.4               | 125                 | 125                 | 1)                | 960                                       | 380  | 0.016   | 3404.2307.23 |
| ●    | ●      | 0.5               | 125                 | 125                 | 1)                | 350                                       | 150  | 0.01  | 3404.2345.11 |
| ●    | ●      | 0.5               | 125                 | 125                 | 1)                | 350                                       | 150  | 0.01  | 3404.2345.22 |
| ●    | ●      | 0.5               | 125                 | 125                 | 1)                | 350                                       | 150  | 0.01  | 3404.2345.23 |
| ●    | ●      | 0.63              | 125                 | 125                 | 1)                | 290                                       | 180  | 0.02  | 3404.2308.11 |
| ●    | ●      | 0.63              | 125                 | 125                 | 1)                | 290                                       | 180  | 0.02  | 3404.2308.22 |
| ●    | ●      | 0.63              | 125                 | 125                 | 1)                | 290                                       | 180  | 0.02  | 3404.2308.23 |
| ●    | ●      | 0.75              | 125                 | 125                 | 1)                | 260                                       | 200  | 0.031   | 3404.2346.11 |
| ●    | ●      | 0.75              | 125                 | 125                 | 1)                | 260                                       | 200  | 0.031   | 3404.2346.22 |
| ●    | ●      | 0.75              | 125                 | 125                 | 1)                | 260                                       | 200  | 0.031   | 3404.2346.23 |
| ●    | ●      | 1                 | 125                 | 125                 | 1)                | 220                                       | 220  | 0.078   | 3404.2309.11 |
| ●    | ●      | 1                 | 125                 | 125                 | 1)                | 220                                       | 220  | 0.078   | 3404.2309.22 |
| ●    | ●      | 1                 | 125                 | 125                 | 1)                | 220                                       | 220  | 0.078   | 3404.2309.23 |
| ●    | ●      | 1.25              | 125                 | 125                 | 1)                | 220                                       | 280  | 0.14  | 3404.2310.11 |
| ●    | ●      | 1.25              | 125                 | 125                 | 1)                | 220                                       | 280  | 0.14  | 3404.2310.22 |
| ●    | ●      | 1.25              | 125                 | 125                 | 1)                | 220                                       | 280  | 0.14  | 3404.2310.23 |
| ●    | ●      | 1.5               | 125                 | 125                 | 1)                | 200                                       | 300  | 0.24  | 3404.2347.11 |
| ●    | ●      | 1.5               | 125                 | 125                 | 1)                | 200                                       | 300  | 0.24  | 3404.2347.22 |
| ●    | ●      | 1.5               | 125                 | 125                 | 1)                | 200                                       | 300  | 0.24  | 3404.2347.23 |
| ●    | ●      | 1.6               | 125                 | 125                 | 1)                | 200                                       | 320  | 0.27  | 3404.2311.11 |
| ●    | ●      | 1.6               | 125                 | 125                 | 1)                | 200                                       | 320  | 0.27  | 3404.2311.22 |
| ●    | ●      | 1.6               | 125                 | 125                 | 1)                | 200                                       | 320  | 0.27  | 3404.2311.23 |
| ●    | ●      | 2                 | 125                 | 125                 | 1)                | 200                                       | 400  | 0.44  | 3404.2312.11 |
| ●    | ●      | 2                 | 125                 | 125                 | 1)                | 200                                       | 400  | 0.44  | 3404.2312.22 |
| ●    | ●      | 2                 | 125                 | 125                 | 1)                | 200                                       | 400  | 0.44  | 3404.2312.23 |
| ●    | ●      | 2.5               | 125                 | 125                 | 1)                | 190                                       | 480  | 0.97  | 3404.2313.11 |
| ●    | ●      | 2.5               | 125                 | 125                 | 1)                | 190                                       | 480  | 0.97  | 3404.2313.22 |
| ●    | ●      | 2.5               | 125                 | 125                 | 1)                | 190                                       | 480  | 0.97  | 3404.2313.23 |
| ●    | ●      | 3                 | 125                 | 125                 | 1)                | 190                                       | 570  | 1.3   | 3404.2314.11 |
| ●    | ●      | 3                 | 125                 | 125                 | 1)                | 190                                       | 570  | 1.3   | 3404.2314.22 |

| Fuse | Holder | 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 4.0 In typ. [A <sup>2</sup> s] | Order Number |
|------|--------|-------------------|---------------------|---------------------|-------------------|---|--|---|--------------|
| ●    | ●      | 3                 | 125                 | 125                 | 1)                | 190                                       | 570  | 1.3   | 3404.2314.23 |
| ●    | ●      | 3.15              | 125                 | 125                 | 1)                | 190                                       | 600  | 1.2   | 3404.2348.11 |
| ●    | ●      | 3.15              | 125                 | 125                 | 1)                | 190                                       | 600  | 1.2   | 3404.2348.22 |
| ●    | ●      | 3.15              | 125                 | 125                 | 1)                | 190                                       | 600  | 1.2   | 3404.2348.23 |
| ●    | ●      | 3.5               | 125                 | 125                 | 1)                | 140                                       | 490  | 1.6   | 3404.2315.11 |
| ●    | ●      | 3.5               | 125                 | 125                 | 1)                | 140                                       | 490  | 1.6   | 3404.2315.22 |
| ●    | ●      | 3.5               | 125                 | 125                 | 1)                | 140                                       | 490  | 1.6   | 3404.2315.23 |
| ●    | ●      | 4                 | 125                 | 125                 | 1)                | 140                                       | 560  | 2.1   | 3404.2316.11 |
| ●    | ●      | 4                 | 125                 | 125                 | 1)                | 140                                       | 560  | 2.1   | 3404.2316.22 |
| ●    | ●      | 4                 | 125                 | 125                 | 1)                | 140                                       | 560  | 2.1   | 3404.2316.23 |
| ●    | ●      | 5                 | 125                 | 125                 | 1)                | 140                                       | 700  | 2.9   | 3404.2317.11 |
| ●    | ●      | 5                 | 125                 | 125                 | 1)                | 140                                       | 700  | 2.9   | 3404.2317.22 |
| ●    | ●      | 5                 | 125                 | 125                 | 1)                | 140                                       | 700  | 2.9   | 3404.2317.23 |

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

1) 100 A @ 125 VAC/DC

| Packaging Unit |                                     |
|----------------|-------------------------------------|
| .xx = .11      | Plastic Bag (100 pcs.)              |
| .xx = .22      | Blister Tape 33 cm Reel (750 pcs.)  |
| .xx = .23      | Blister Tape 38 cm Reel (1500 pcs.) |