

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



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



CCC

**Description**

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

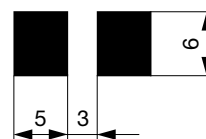
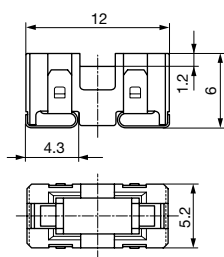
**Standards**

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

**References**
[General Product Information](#)
[Time-Current Curves see last page](#)
[Packaging Details](#)
**Weblinks**
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)
**Technical Data**

|                              |                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Rated Voltage                | 125VAC, 125VDC                                                                                                      |
| 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, Current Rating, Approvals |

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Soldering Methods            | Reflow                                          |
| 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 |

**Dimensions**Length  12 mm

Solder pads

**Pre-Arcing Time**Rated Current I<sub>n</sub>    1.0 x I<sub>n</sub> min.    2.0 x I<sub>n</sub> max.    4.0 x I<sub>n</sub> max.

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

[Distributor-Stock-Check](#) | [SCHURTER-Stock-Check](#) | [e-Store](#)

## Variants

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

| 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] | CCC | Order Number |
|------|--------|-------------------|---------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------------------|-----|--------------|
| ●    | ●      | 0.063             | 125                 | 125                 | 1)                | 2550                                      | 160                                            | 0.00011                                                             | ●   | 3404.2303.xx |
| ●    | ●      | 0.1               | 125                 | 125                 | 1)                | 1770                                      | 180                                            | 0.00067                                                             | ●   | 3404.2304.xx |
| ●    | ●      | 0.125             | 125                 | 125                 | 1)                | 1770                                      | 220                                            | 0.0011                                                              | ●   | 3404.2349.xx |
| ●    | ●      | 0.16              | 125                 | 125                 | 1)                | 1700                                      | 270                                            | 0.0018                                                              | ●   | 3404.2305.xx |
| ●    | ●      | 0.25              | 125                 | 125                 | 1)                | 990                                       | 250                                            | 0.0058                                                              | ●   | 3404.2306.xx |
| ●    | ●      | 0.35              | 125                 | 125                 | 1)                | 990                                       | 350                                            | 0.0076                                                              | ●   | 3404.2343.xx |
| ●    | ●      | 0.375             | 125                 | 125                 | 1)                | 990                                       | 370                                            | 0.013                                                               | ●   | 3404.2344.xx |
| ●    | ●      | 0.4               | 125                 | 125                 | 1)                | 960                                       | 380                                            | 0.016                                                               | ●   | 3404.2307.xx |
| ●    | ●      | 0.5               | 125                 | 125                 | 1)                | 350                                       | 150                                            | 0.01                                                                | ●   | 3404.2345.xx |
| ●    | ●      | 0.63              | 125                 | 125                 | 1)                | 290                                       | 180                                            | 0.02                                                                | ●   | 3404.2308.xx |
| ●    | ●      | 0.75              | 125                 | 125                 | 1)                | 260                                       | 200                                            | 0.031                                                               | ●   | 3404.2346.xx |
| ●    | ●      | 1                 | 125                 | 125                 | 1)                | 220                                       | 220                                            | 0.078                                                               | ●   | 3404.2309.xx |
| ●    | ●      | 1.25              | 125                 | 125                 | 1)                | 220                                       | 280                                            | 0.14                                                                | ●   | 3404.2310.xx |
| ●    | ●      | 1.5               | 125                 | 125                 | 1)                | 200                                       | 300                                            | 0.24                                                                | ●   | 3404.2347.xx |
| ●    | ●      | 1.6               | 125                 | 125                 | 1)                | 200                                       | 320                                            | 0.27                                                                | ●   | 3404.2311.xx |
| ●    | ●      | 2                 | 125                 | 125                 | 1)                | 200                                       | 400                                            | 0.44                                                                | ●   | 3404.2312.xx |
| ●    | ●      | 2.5               | 125                 | 125                 | 1)                | 190                                       | 480                                            | 0.97                                                                | ●   | 3404.2313.xx |
| ●    | ●      | 3                 | 125                 | 125                 | 1)                | 190                                       | 570                                            | 1.3                                                                 | ●   | 3404.2314.xx |
| ●    | ●      | 3.15              | 125                 | 125                 | 1)                | 190                                       | 600                                            | 1.2                                                                 | ●   | 3404.2348.xx |
| ●    | ●      | 3.5               | 125                 | 125                 | 1)                | 140                                       | 490                                            | 1.6                                                                 | ●   | 3404.2315.xx |
| ●    | ●      | 4                 | 125                 | 125                 | 1)                | 140                                       | 560                                            | 2.1                                                                 | ●   | 3404.2316.xx |
| ●    | ●      | 5                 | 125                 | 125                 | 1)                | 140                                       | 700                                            | 2.9                                                                 | ●   | 3404.2317.xx |

1) 100 A @ 125 VAC/DC

## Packaging Unit

.xx = .11 Plastic Bag (100 pcs.)  
 .xx = .22 Blister Tape 18 cm Reel (750 pcs.)  
 .xx = .23 Blister Tape 33 cm Reel (1500 pcs.)

## Time-Current Curves

