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Surface Mount Fuse with Holder, 12 x 5.2 mm, Quick-Acting F, 63 VAC, 63 VDC



UL 248-14 · 63 VAC · 63 VDC · Quick-Acting F



Description

- Directly solderable on printed circuit boards
- OMK 63 = OMF 63 + OMH 125

Standards

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

Approvals

- Approval Reference Type: OMK 63


References

[Packaging Details](#)

Weblinks

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


Technical Data

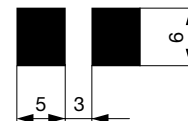
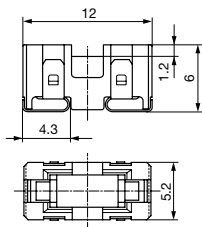
| | |
|------------------------------|--|
| Rated Voltage | 63 VAC, 63 VDC |
| Rated current | 0.063 - 5 A |
| Breaking Capacity | 50 A |
| Characteristic | Quick-Acting F |
| Mounting | PCB, SMT |
| Admissible Ambient Air Temp. | -40 °C to 85 °C |
| Climatic Category | 40/085/21 acc. to IEC 60068-1 |
| Material: Housing | Thermoplastic, UL 94V-0 |
| Material: Terminals | Tin-Plated Copper |
| Unit Weight | 0.48 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  Type, Rated current, Approvals |

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

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

Dimension [mm]

 12 mm



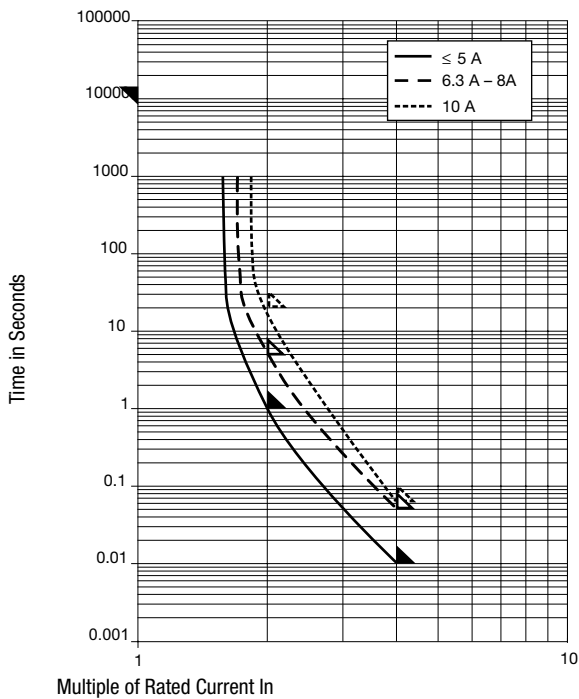
Soldering pads

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 _n typ. [mV] | Power Dissipation 1.0 I _n typ. [mW] | Melting I ² t 4.0 I _n typ. [A ² s] | Order Number |
|------|--------|-------------------|---------------------|---------------------|-------------------|---|--|---|--------------|
| ● | ● | 0.063 | 63 | 63 | 1) | 2550 | 160 | 0.00011 | 3422.0003.11 |
| ● | ● | 0.063 | 63 | 63 | 1) | 2550 | 160 | 0.00011 | 3422.0003.23 |
| ● | ● | 0.1 | 63 | 63 | 1) | 1770 | 180 | 0.00067 | 3422.0004.11 |
| ● | ● | 0.1 | 63 | 63 | 1) | 1770 | 180 | 0.00067 | 3422.0004.23 |
| ● | ● | 0.125 | 63 | 63 | 1) | 1770 | 220 | 0.0011 | 3422.0049.11 |
| ● | ● | 0.16 | 63 | 63 | 1) | 1700 | 270 | 0.0018 | 3422.0005.11 |
| ● | ● | 0.16 | 63 | 63 | 1) | 1700 | 270 | 0.0018 | 3422.0005.23 |
| ● | ● | 0.25 | 63 | 63 | 1) | 990 | 250 | 0.0058 | 3422.0006.11 |
| ● | ● | 0.25 | 63 | 63 | 1) | 990 | 250 | 0.0058 | 3422.0006.23 |
| ● | ● | 0.35 | 63 | 63 | 1) | 990 | 350 | 0.0076 | 3422.0043.11 |
| ● | ● | 0.35 | 63 | 63 | 1) | 990 | 350 | 0.0076 | 3422.0043.23 |
| ● | ● | 0.375 | 63 | 63 | 1) | 990 | 370 | 0.013 | 3422.0044.11 |
| ● | ● | 0.375 | 63 | 63 | 1) | 990 | 370 | 0.013 | 3422.0044.23 |
| ● | ● | 0.4 | 63 | 63 | 1) | 960 | 380 | 0.016 | 3422.0007.11 |
| ● | ● | 0.4 | 63 | 63 | 1) | 960 | 380 | 0.016 | 3422.0007.23 |
| ● | ● | 0.5 | 63 | 63 | 1) | 350 | 180 | 0.01 | 3422.0045.23 |
| ● | ● | 0.63 | 63 | 63 | 1) | 290 | 180 | 0.02 | 3422.0008.11 |
| ● | ● | 0.63 | 63 | 63 | 1) | 290 | 180 | 0.02 | 3422.0008.23 |
| ● | ● | 0.75 | 63 | 63 | 1) | 260 | 200 | 0.031 | 3422.0046.11 |
| ● | ● | 0.75 | 63 | 63 | 1) | 260 | 200 | 0.031 | 3422.0046.23 |
| ● | ● | 1 | 63 | 63 | 1) | 220 | 220 | 0.078 | 3422.0009.11 |
| ● | ● | 1 | 63 | 63 | 1) | 220 | 220 | 0.078 | 3422.0009.23 |
| ● | ● | 1.25 | 63 | 63 | 1) | 220 | 280 | 0.14 | 3422.0010.11 |
| ● | ● | 1.25 | 63 | 63 | 1) | 220 | 280 | 0.14 | 3422.0010.23 |
| ● | ● | 1.5 | 63 | 63 | 1) | 200 | 300 | 0.24 | 3422.0047.11 |
| ● | ● | 1.5 | 63 | 63 | 1) | 200 | 300 | 0.24 | 3422.0047.23 |
| ● | ● | 1.6 | 63 | 63 | 1) | 200 | 320 | 0.27 | 3422.0011.23 |
| ● | ● | 2 | 63 | 63 | 1) | 200 | 400 | 0.44 | 3422.0012.11 |

| Fuse | Holder | Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.0 I _n typ. [mW] | Melting I ² t 4.0 In typ. [A ² s] | Order Number |
|------|--------|-------------------|---------------------|---------------------|-------------------|-------------------------------|--|---|--------------|
| ● | ● | 2 | 63 | 63 | 1) | 200 | 400 | 0.44 | 3422.0012.23 |
| ● | ● | 2.5 | 63 | 63 | 1) | 190 | 480 | 0.97 | 3422.0013.11 |
| ● | ● | 2.5 | 63 | 63 | 1) | 190 | 480 | 0.97 | 3422.0013.23 |
| ● | ● | 3 | 63 | 63 | 1) | 190 | 570 | 1.3 | 3422.0014.11 |
| ● | ● | 3 | 63 | 63 | 1) | 190 | 570 | 1.3 | 3422.0014.23 |
| ● | ● | 3.15 | 63 | 63 | 1) | 190 | 600 | 1.2 | 3422.0048.11 |
| ● | ● | 3.15 | 63 | 63 | 1) | 190 | 600 | 1.2 | 3422.0048.23 |
| ● | ● | 3.5 | 63 | 63 | 1) | 140 | 490 | 1.6 | 3422.0015.11 |
| ● | ● | 3.5 | 63 | 63 | 1) | 140 | 490 | 1.6 | 3422.0015.23 |
| ● | ● | 4 | 63 | 63 | 1) | 140 | 560 | 2.1 | 3422.0016.11 |
| ● | ● | 4 | 63 | 63 | 1) | 140 | 560 | 2.1 | 3422.0016.23 |
| ● | ● | 5 | 63 | 63 | 1) | 140 | 700 | 2.9 | 3422.0017.11 |
| ● | ● | 5 | 63 | 63 | 1) | 140 | 700 | 2.9 | 3422.0017.23 |

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

1) 50 A @ 63 VAC/DC

Packaging Unit .xx = .11 Plastic Bag (100 pcs.)
 .xx = .23 Blister Tape 38 cm Reel (1500 pcs.)