

Surface Mount Fuse, 7 x 2.54 mm, Time-Lag T, 125 VAC, 125 VDC



IEC 60127-4 · 125 VAC · 125 VDC · Time-Lag T

## Approvals and Compliances

### Description

- Low Breaking Capacity
- Directly solderable on printed circuit boards

### Applications

- Telecom
- Household appliances

### References

[Packaging Details](#)

Round Solder Pads Type [MSB](#)

### Weblinks

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

### Technical Data

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Rated Voltage                | 63 - 125 VAC, 65 - 125 VDC                                                                          |
| Rated current                | 2 - 15 A                                                                                            |
| Breaking Capacity            | 50 A - 150 A                                                                                        |
| Characteristic               | Time-Lag T                                                                                          |
| 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              |  , Rated current |

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Soldering Methods            | Reflow, Wave<br><a href="#">Soldering Profile</a> |
| 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   |

## Approvals and Compliances

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

### Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: MKT

| Approval Logo                                                                       | Certificates                 | Certification Body | Description            |
|-------------------------------------------------------------------------------------|------------------------------|--------------------|------------------------|
|  | <a href="#">UL Approvals</a> | UL                 | UL File Number: E42088 |

### Product standards

Product standards that are referenced

| Organization                                                                        | Design                | Standard           | Description                                                                                    |
|-------------------------------------------------------------------------------------|-----------------------|--------------------|------------------------------------------------------------------------------------------------|
|  | Designed according to | IEC 60127-4/2      | Miniature fuses. Part 4. Universal modular fuse-links for through-hole and surface mount types |
|  | 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

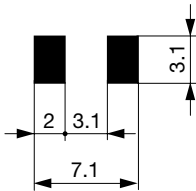
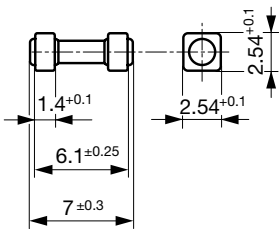
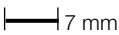
| Organization                                                                     | Design                         | Standard     | Description                                                                                     |
|----------------------------------------------------------------------------------|--------------------------------|--------------|-------------------------------------------------------------------------------------------------|
|  | 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]

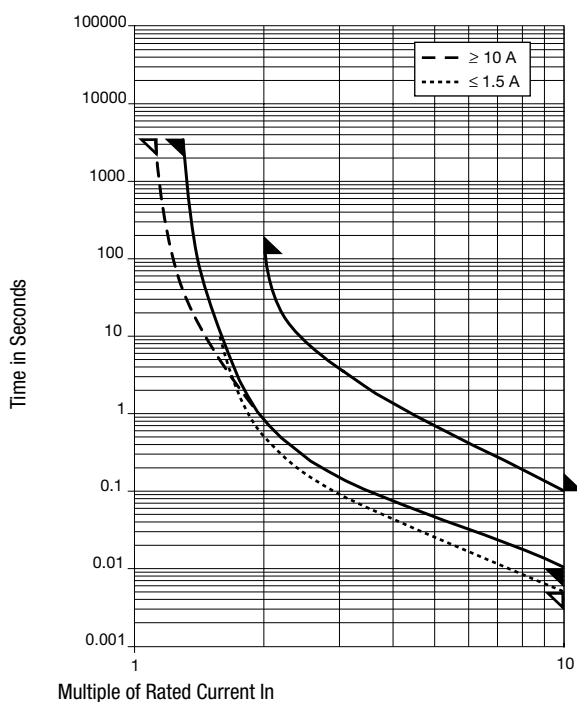


Soldering pads

Pre-Arcing Time

| Rated Current In | 1.1 x In min. | 1.25 x In min. | 2.0 x In max. | 10.0 x In min. | 10.0 x In max. |
|------------------|---------------|----------------|---------------|----------------|----------------|
| 2 A - 8 A        | -             | 60 min         | 120 s         | 10 ms          | 100 ms         |
| 10 A - 15 A      | 60 min        | -              | 120 s         | 10 ms          | 100 ms         |

## Time-Current-Curves



## All Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 $I_n$ typ. [mV] | Power Dissipation 1.1 $I_n$ typ. [mW] | Power Dissipation 1.25 $I_n$ typ. [mW] | Melting $I^2t$ 10.0 Intyp. [A <sup>2</sup> s] |  | Order Number                 |
|-------------------|---------------------|---------------------|-------------------|----------------------------------|---------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|
| 2                 | 125                 | 125                 | 1)                | 85                               | -                                     | 300                                    | 4.1                                           | ●                                                                                     | <a href="#">7010.9513.03</a> |
| 2                 | 125                 | 125                 | 1)                | 85                               | -                                     | 300                                    | 4.1                                           | ●                                                                                     | <a href="#">7010.9513.55</a> |
| 2                 | 125                 | 125                 | 1)                | 85                               | -                                     | 300                                    | 4.1                                           | ●                                                                                     | <a href="#">7010.9513.57</a> |
| 2.5               | 125                 | 125                 | 1)                | 82                               | -                                     | 360                                    | 6.9                                           | ●                                                                                     | <a href="#">7010.9514.03</a> |
| 2.5               | 125                 | 125                 | 1)                | 82                               | -                                     | 360                                    | 6.9                                           | ●                                                                                     | <a href="#">7010.9514.55</a> |
| 2.5               | 125                 | 125                 | 1)                | 82                               | -                                     | 360                                    | 6.9                                           | ●                                                                                     | <a href="#">7010.9514.57</a> |
| 3.15              | 125                 | 125                 | 1)                | 79                               | -                                     | 440                                    | 12                                            | ●                                                                                     | <a href="#">7010.9515.03</a> |
| 3.15              | 125                 | 125                 | 1)                | 79                               | -                                     | 440                                    | 12                                            | ●                                                                                     | <a href="#">7010.9515.55</a> |
| 3.15              | 125                 | 125                 | 1)                | 79                               | -                                     | 440                                    | 12                                            | ●                                                                                     | <a href="#">7010.9515.57</a> |
| 3.5               | 125                 | 125                 | 1)                | 78                               | -                                     | 485                                    | 15                                            | ●                                                                                     | <a href="#">7010.9516.03</a> |
| 3.5               | 125                 | 125                 | 1)                | 78                               | -                                     | 485                                    | 15                                            | ●                                                                                     | <a href="#">7010.9516.55</a> |
| 3.5               | 125                 | 125                 | 1)                | 78                               | -                                     | 485                                    | 15                                            | ●                                                                                     | <a href="#">7010.9516.57</a> |
| 4                 | 125                 | 125                 | 1)                | 76                               | -                                     | 540                                    | 21                                            | ●                                                                                     | <a href="#">7010.9517.03</a> |
| 4                 | 125                 | 125                 | 1)                | 76                               | -                                     | 540                                    | 21                                            | ●                                                                                     | <a href="#">7010.9517.55</a> |
| 4                 | 125                 | 125                 | 1)                | 76                               | -                                     | 540                                    | 21                                            | ●                                                                                     | <a href="#">7010.9517.57</a> |
| 5                 | 125                 | 125                 | 1)                | 87                               | -                                     | 600                                    | 29                                            | ●                                                                                     | <a href="#">7010.9518.03</a> |
| 5                 | 125                 | 125                 | 1)                | 87                               | -                                     | 600                                    | 29                                            | ●                                                                                     | <a href="#">7010.9518.55</a> |
| 5                 | 125                 | 125                 | 1)                | 87                               | -                                     | 600                                    | 29                                            | ●                                                                                     | <a href="#">7010.9518.57</a> |
| 6.3               | 125                 | 125                 | 2)                | 85                               | -                                     | 810                                    | 51                                            | ●                                                                                     | <a href="#">7010.9519.03</a> |
| 6.3               | 125                 | 125                 | 2)                | 85                               | -                                     | 810                                    | 51                                            | ●                                                                                     | <a href="#">7010.9519.55</a> |
| 8                 | 65                  | 65                  | 3)                | 81                               | -                                     | 1100                                   | 83                                            | ●                                                                                     | <a href="#">7010.9520.03</a> |
| 8                 | 65                  | 65                  | 3)                | 81                               | -                                     | 1100                                   | 83                                            | ●                                                                                     | <a href="#">7010.9520.55</a> |
| 8                 | 65                  | 65                  | 3)                | 81                               | -                                     | 1100                                   | 83                                            | ●                                                                                     | <a href="#">7010.9520.57</a> |
| 10                | 65                  | 65                  | 3)                | 79                               | 1000                                  | -                                      | 140                                           | ●                                                                                     | <a href="#">7010.9521.03</a> |
| 10                | 65                  | 65                  | 3)                | 79                               | 1000                                  | -                                      | 140                                           | ●                                                                                     | <a href="#">7010.9521.55</a> |
| 10                | 65                  | 65                  | 3)                | 79                               | 1000                                  | -                                      | 140                                           | ●                                                                                     | <a href="#">7010.9521.57</a> |
| 12                | 65                  | 65                  | 3)                | 77                               | 1050                                  | -                                      | 215                                           | ●                                                                                     | <a href="#">7010.9522.03</a> |
| 12                | 65                  | 65                  | 3)                | 77                               | 1050                                  | -                                      | 215                                           | ●                                                                                     | <a href="#">7010.9522.55</a> |

| Rated Cur-<br>rent [A] | Rated Vol-<br>tage [VAC] | Rated Vol-<br>tage [VDC] | Breaking<br>Capacity | Voltage Drop<br>1.0 I <sub>n</sub> typ.<br>[mV] | Power Dissi-<br>pation 1.1 I <sub>n</sub><br>typ. [mW] | Power Dissi-<br>pation 1.25 I <sub>n</sub><br>typ. [mW] | Melting I <sup>2</sup> t<br>10.0 Intyp.<br>[A²s] |  | Order Number                 |
|------------------------|--------------------------|--------------------------|----------------------|-------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|
| 12                     | 65                       | 65                       | 3)                   | 77                                              | 1050                                                   | -                                                       | 215                                              | ●                                                                                   | <a href="#">7010.9522.57</a> |
| 15                     | 65                       | 65                       | 3)                   | 75                                              | 1700                                                   | -                                                       | 360                                              | ●                                                                                   | <a href="#">7010.9523.03</a> |
| 15                     | 65                       | 65                       | 3)                   | 75                                              | 1700                                                   | -                                                       | 360                                              | ●                                                                                   | <a href="#">7010.9523.55</a> |
| 15                     | 65                       | 65                       | 3)                   | 75                                              | 1700                                                   | -                                                       | 360                                              | ●                                                                                   | <a href="#">7010.9523.57</a> |

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

- 1) 50 A @ 125 VAC/DC
- 2) 63 A @ 125 VAC/DC
- 3) 150 A @ 65 VAC/DC

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| <b>Packaging Unit</b> | .xx = .03 Blister Tape of 100 pcs. in Plastic Bag |
|                       | .xx = .55 Blister Tape 18 cm Reel (500 pcs.)      |
|                       | .xx = .57 Blister Tape 18 cm Reel (1500 pcs.)     |