

Subminiature Fuse, 8.5 mm, Time-Lag T, 250 VAC, 63 VDC



IEC 60127-3 · 250 VAC · Time-Lag T

See below:

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

- Directly solderable on printed circuit boards
- Low Breaking Capacity

**Applications**

- Primary Protection on PCB
- Power Supply Adapter for e.g. laptops
- SMPS (Switching Mode Power Supply) for TV's and DVD's

**References**[Packaging Details](#)Corresponding Fuseholder [FMS \(250V\)](#)Fuse Kit [Fuse Kit MST250 / MSF 250](#)**Weblinks**[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Distributor-Stock-Check](#), [Detailed request for product](#)**Technical Data**

|                              |                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage                | 250 VAC, 63 VDC                                                                                                                                   |
| Rated current                | 0.05 - 6.3 A                                                                                                                                      |
| Breaking Capacity            | 35 A - 63 A                                                                                                                                       |
| Characteristic               | Time-Lag T                                                                                                                                        |
| Mounting                     | PCB, THT                                                                                                                                          |
| Admissible Ambient Air Temp. | -55 °C to 125 °C                                                                                                                                  |
| Climatic Category            | 55/125/21 acc. to IEC 60068-1                                                                                                                     |
| Material: Housing            | Thermoplastic, UL 94V-0                                                                                                                           |
| Material: Terminals          | Tin-Plated Copper                                                                                                                                 |
| Unit Weight                  | 0.53 g                                                                                                                                            |
| Storage Conditions           | 0 °C to 40 °C, max. 70% r.h.                                                                                                                      |
| Product Marking              |  Type, Rated current, Rated Voltage, Characteristic, Approvals |

|                              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| Soldering Methods            | Wave<br><a href="#">Soldering Profile</a>                                 |
| Solderability                | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta                            |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb                           |
| Current Carrying Capacity    | acc. to EIA/IS-722, Test 4.3.3                                            |
| Moisture Resistance Test     | MIL-STD-202, Method 106E<br>(50 cycles in a temp./mister chamber)         |
| Terminal Strength            | Tensile load min. 9 N<br>(acc. to EIA/IS-722, Test 4.5.1)                 |
| Case Resistance              | acc. to EIA/IS-722, Test 4.7<br>>100 MΩ (between leads and body)          |
| Mechanical Shock             | MIL-STD-202, Method 213B<br>(Shock 50g, half sine wave, 11 ms)            |
| Vibration, High Frequency    | Shock 20 gn, 20 min, 10-2 kHz, 12 cyc.<br>(acc. to EIA/IS-722, Test 4.10) |
| Resistance to Solvents       | MIL-STD-202, Method 215A                                                  |
| Flammability                 | UL 94V-0<br>(acc. to EIA/IS-722, Test 4.12)                               |

**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: MST 250

| Approval Logo                                                                    | Certificates                   | Certification Body | Description                                                     |
|----------------------------------------------------------------------------------|--------------------------------|--------------------|-----------------------------------------------------------------|
|  | <a href="#">VDE Approvals</a>  | VDE                | VDE Certificate Number: 40013529                                |
|  | <a href="#">VDE Approvals</a>  | VDE                | VDE Certificate Number: 40002080                                |
|  | <a href="#">UL Approvals</a>   | UL                 | UL File Number: E41599                                          |
|  | <a href="#">CQC Approvals</a>  | CQC                | CCC Certificate Number: 2003010207100544                        |
|  | <a href="#">KTL Approvals</a>  | KTL                | Korea Testing Laboratory                                        |
|  | <a href="#">METI Approvals</a> | METI               | Japan Electrical Safety and Environment technology Laboratories |

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. |

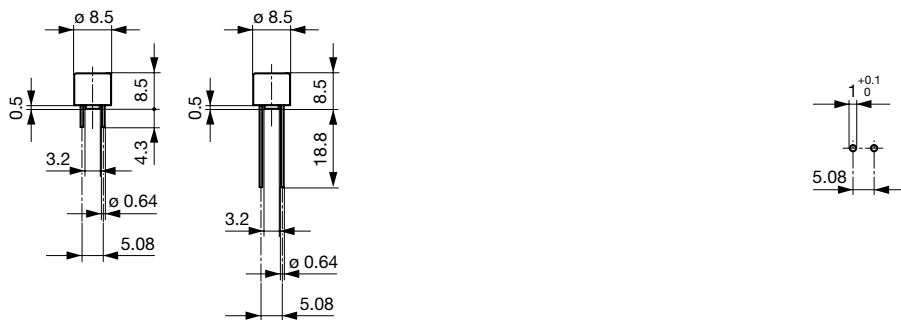
Compliances

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. |
|  | <a href="#">RoHS</a>                         | SCHURTER AG | EU Directive RoHS 2011/65/EU                                                                                                                                                                          |
|  | <a href="#">China RoHS</a>                   | 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.                                                                                  |
|  | <a href="#">REACH</a>                        | 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]

8.5 mm



Drilling diagram