

Subminiature Fuse, 8.5 mm, Time-Lag T, 250 VAC, cULus



Subminiature fuse 8.5 mm, time-lag T,  
250 VAC  
Short terminal  
PCB



Subminiature fuse 8.5 mm, time-lag T,  
250 VAC  
Terminal long  
PCB

UL 248-14 · 250 VAC · Time-Lag T

See below:

[Approvals and Compliances](#)

### Description

- Directly solderable on printed circuit boards
- Low Breaking Capacity

### References

Last order date: 30.04.2026

Last delivery date: 31.07.2026

### Weblinks

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

### Technical Data

|                          |                                                                                                                                                             |                              |                                                                      |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------|
| Rated Voltage            | 250 VAC                                                                                                                                                     | Soldering Methods            | Wave                                                                 |
| Rated current            | 0.063 - 10 A                                                                                                                                                |                              | <a href="#">Soldering Profile</a>                                    |
| Breaking Capacity        | 50 A                                                                                                                                                        | Solderability                | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta                       |
| Characteristic           | Time-Lag T                                                                                                                                                  | Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb                      |
| Mounting                 | PCB, THT                                                                                                                                                    | Case Resistance              | acc. to EIA/IS-722, Test 4.7<br>>100 MΩ (between leads and body)     |
| Admissible Ambient Temp. | -40 °C to 85 °C                                                                                                                                             | Flammability                 | UL 94V-0<br>(acc. to EIA/IS-722, Test 4.12)                          |
| Climatic Category        | 40/085/21 acc. to IEC 60068-1                                                                                                                               | Current Carrying Capacity    | acc. to EIA/IS-722, Test 4.3.3                                       |
| Material: Housing        | Thermoplastic, UL 94V-0                                                                                                                                     | Moisture Sensitivity Level   | MIL-STD-202, Method 106<br>(50 cycles in a temp./mister chamber)     |
| Material: Terminals      | Tin-Plated Copper                                                                                                                                           | Vibration, High Frequency    | MIL-STD-202, Method 204 Condition D                                  |
| Unit Weight              | 0.53 g                                                                                                                                                      | Mechanical Shock             | (acc. to EIA/IS-722, Test 4.9)                                       |
| Storage Conditions       | 0 °C to 40 °C, max. 70% r.h.                                                                                                                                | Resistance to Solvents       | MIL-STD-202, Method 215                                              |
| Product Marking          |  Type, Rated current, Rated Voltage, Characteristic, Certification marks | Terminal Strength            | MIL-STD-202, Method 211 A<br>(Deflection of board 1 mm for 1 minute) |

### Approvals and Compliances

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

### Approvals

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

Approval Reference Type: MSTU 250

| Approval Logo                                                                       | Certificates                 | Certification Body | Description            |
|-------------------------------------------------------------------------------------|------------------------------|--------------------|------------------------|
|  | <a href="#">UL Approvals</a> | UL                 | UL File Number: E41599 |

## Product standards

Product standards that are referenced

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

## Application standards

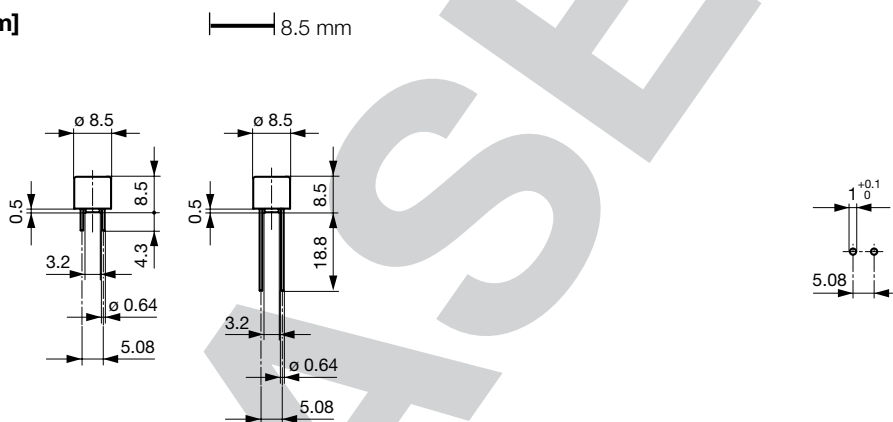
Application standards where the product can be used

| Organization                                                                     | Design                         | Standard       | Description                                                                                   |
|----------------------------------------------------------------------------------|--------------------------------|----------------|-----------------------------------------------------------------------------------------------|
|  | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |

## 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="#">UKCA declaration of conformity</a> | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.                                                  |
|    | <a href="#">RoHS</a>                           | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                                                    |
|    | <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.                               |

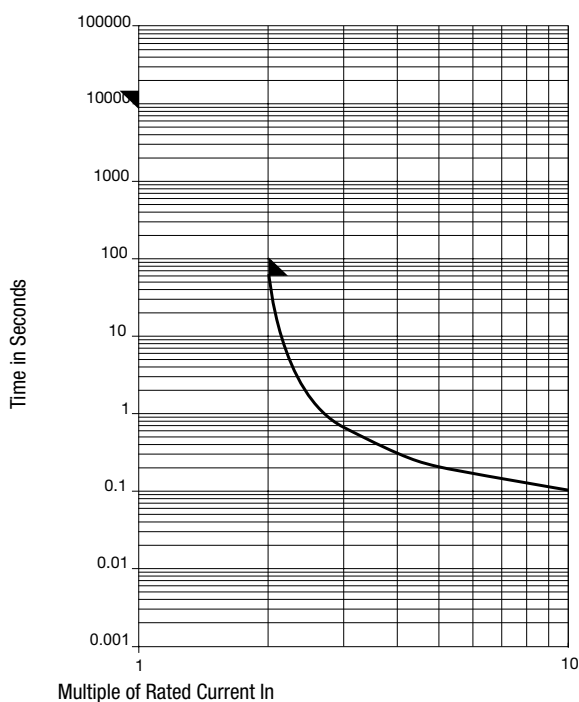
**Dimension [mm]**

### Drilling diagram

### Pre-Arcing Time

| Rated Current In | 1.0 x In min. | 2.0 x In max. |
|------------------|---------------|---------------|
| 0.063 A - 10 A   | 4 h           | 120 s         |

## Time-Current-Curves



## Variants

| Rated Current [A] | Rated Voltage [VAC] | 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 10.0 I <sub>n</sub> typ. [A <sup>2</sup> s] | $\text{c} \text{ (U)}_{\text{US}}$ | S | L | T | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|----------------------------------------------------------------------|------------------------------------|---|---|---|--------------|
| 0.063             | 250                 | 1)                | 544                                       | 37                                             | 0.0176                                                               | ●                                  | ● |   |   | 0034.7103    |
| 0.08              | 250                 | 1)                | 413                                       | 38                                             | 0.0313                                                               | ●                                  | ● |   |   | 0034.7104    |
| 0.1               | 250                 | 1)                | 318                                       | 35                                             | 0.0456                                                               | ●                                  | ● |   |   | 0034.7105    |
| 0.125             | 250                 | 1)                | 289                                       | 40                                             | 0.0567                                                               | ●                                  | ● |   |   | 0034.7106    |
| 0.16              | 250                 | 1)                | 219                                       | 38                                             | 0.0692                                                               | ●                                  | ● |   |   | 0034.7107    |
| 0.2               | 250                 | 1)                | 262                                       | 60                                             | 0.133                                                                | ●                                  | ● |   |   | 0034.7108    |
| 0.25              | 250                 | 1)                | 202                                       | 55                                             | 0.258                                                                | ●                                  | ● |   |   | 0034.7109    |
| 0.315             | 250                 | 1)                | 168                                       | 49                                             | 0.361                                                                | ●                                  | ● |   |   | 0034.7110    |
| 0.4               | 250                 | 1)                | 159                                       | 69                                             | 0.528                                                                | ●                                  | ● |   |   | 0034.7111    |
| 0.5               | 250                 | 1)                | 143                                       | 78                                             | 0.898                                                                | ●                                  | ● |   |   | 0034.7112    |
| 0.63              | 250                 | 1)                | 124                                       | 85                                             | 2.24                                                                 | ●                                  | ● |   |   | 0034.7113    |
| 0.8               | 250                 | 1)                | 114                                       | 98                                             | 4.05                                                                 | ●                                  | ● |   |   | 0034.7114    |
| 1                 | 250                 | 1)                | 100                                       | 107                                            | 6.85                                                                 | ●                                  | ● |   |   | 0034.7115    |
| 1.25              | 250                 | 1)                | 94                                        | 127                                            | 7.93                                                                 | ●                                  | ● |   |   | 0034.7116    |
| 1.6               | 250                 | 1)                | 85                                        | 145                                            | 17.5                                                                 | ●                                  | ● |   |   | 0034.7117    |
| 2                 | 250                 | 1)                | 80                                        | 175                                            | 28.6                                                                 | ●                                  | ● |   |   | 0034.7118    |
| 2.5               | 250                 | 1)                | 75                                        | 205                                            | 40.9                                                                 | ●                                  | ● |   |   | 0034.7119    |
| 3.15              | 250                 | 1)                | 71                                        | 240                                            | 55                                                                   | ●                                  | ● |   |   | 0034.7120    |
| 4                 | 250                 | 1)                | 72                                        | 303                                            | 67.2                                                                 | ●                                  | ● |   |   | 0034.7121    |
| 5                 | 250                 | 1)                | 70                                        | 376                                            | 142                                                                  | ●                                  | ● |   |   | 0034.7122    |
| 6.3               | 250                 | 1)                | 68                                        | 488                                            | 287                                                                  | ●                                  | ● |   |   | 0034.7123    |
| 8                 | 250                 | 1)                | 50                                        | 445                                            | 422                                                                  | ●                                  | ● |   |   | 0034.7124    |
| 10                | 250                 | 1)                | 50                                        | 630                                            | 564                                                                  | ●                                  | ● |   |   | 0034.7125    |
| 0.063             | 250                 | 1)                | 544                                       | 37                                             | 0.0176                                                               | ●                                  |   | ● |   | 0034.7203    |
| 0.08              | 250                 | 1)                | 413                                       | 38                                             | 0.0313                                                               | ●                                  |   | ● |   | 0034.7204    |
| 0.1               | 250                 | 1)                | 318                                       | 35                                             | 0.0456                                                               | ●                                  |   | ● |   | 0034.7205    |
| 0.125             | 250                 | 1)                | 289                                       | 40                                             | 0.0567                                                               | ●                                  |   | ● |   | 0034.7206    |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop<br>1.0 I <sub>n</sub> typ.<br>[mV] | Power Dissipation<br>1.0 I <sub>n</sub> typ.<br>[mW] | Melting I <sup>2</sup> t<br>10.0 I <sub>n</sub> typ.<br>[A <sup>2</sup> s] |  | S | L | T | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---|---|---|--------------|
| 0.16              | 250                 | 1)                | 219                                             | 38                                                   | 0.0692                                                                     | ●                                                                                 | ● |   |   | 0034.7207    |
| 0.2               | 250                 | 1)                | 262                                             | 60                                                   | 0.133                                                                      | ●                                                                                 | ● |   |   | 0034.7208    |
| 0.25              | 250                 | 1)                | 202                                             | 55                                                   | 0.258                                                                      | ●                                                                                 | ● |   |   | 0034.7209    |
| 0.315             | 250                 | 1)                | 168                                             | 49                                                   | 0.361                                                                      | ●                                                                                 | ● |   |   | 0034.7210    |
| 0.4               | 250                 | 1)                | 159                                             | 69                                                   | 0.528                                                                      | ●                                                                                 | ● |   |   | 0034.7211    |
| 0.5               | 250                 | 1)                | 143                                             | 78                                                   | 0.898                                                                      | ●                                                                                 | ● |   |   | 0034.7212    |
| 0.63              | 250                 | 1)                | 124                                             | 85                                                   | 2.24                                                                       | ●                                                                                 | ● |   |   | 0034.7213    |
| 0.8               | 250                 | 1)                | 114                                             | 98                                                   | 4.05                                                                       | ●                                                                                 | ● |   |   | 0034.7214    |
| 1                 | 250                 | 1)                | 100                                             | 107                                                  | 6.85                                                                       | ●                                                                                 | ● |   |   | 0034.7215    |
| 1.25              | 250                 | 1)                | 94                                              | 127                                                  | 7.93                                                                       | ●                                                                                 | ● |   |   | 0034.7216    |
| 1.6               | 250                 | 1)                | 85                                              | 145                                                  | 17.5                                                                       | ●                                                                                 | ● |   |   | 0034.7217    |
| 2                 | 250                 | 1)                | 80                                              | 175                                                  | 28.6                                                                       | ●                                                                                 | ● |   |   | 0034.7218    |
| 2.5               | 250                 | 1)                | 75                                              | 205                                                  | 40.9                                                                       | ●                                                                                 | ● |   |   | 0034.7219    |
| 3.15              | 250                 | 1)                | 71                                              | 240                                                  | 55                                                                         | ●                                                                                 | ● |   |   | 0034.7220    |
| 4                 | 250                 | 1)                | 72                                              | 303                                                  | 67.2                                                                       | ●                                                                                 | ● |   |   | 0034.7221    |
| 5                 | 250                 | 1)                | 70                                              | 376                                                  | 142                                                                        | ●                                                                                 | ● |   |   | 0034.7222    |
| 6.3               | 250                 | 1)                | 68                                              | 488                                                  | 287                                                                        | ●                                                                                 | ● |   |   | 0034.7223    |
| 8                 | 250                 | 1)                | 50                                              | 445                                                  | 422                                                                        | ●                                                                                 | ● |   |   | 0034.7224    |
| 10                | 250                 | 1)                | 50                                              | 630                                                  | 564                                                                        | ●                                                                                 | ● |   |   | 0034.7225    |
| 0.063             | 250                 | 1)                | 544                                             | 37                                                   | 0.0176                                                                     | ●                                                                                 |   | ● |   | 0034.7303    |
| 0.08              | 250                 | 1)                | 413                                             | 38                                                   | 0.0313                                                                     | ●                                                                                 |   | ● |   | 0034.7304    |
| 0.1               | 250                 | 1)                | 318                                             | 35                                                   | 0.0456                                                                     | ●                                                                                 |   | ● |   | 0034.7305    |
| 0.125             | 250                 | 1)                | 289                                             | 40                                                   | 0.0567                                                                     | ●                                                                                 |   | ● |   | 0034.7306    |
| 0.16              | 250                 | 1)                | 219                                             | 38                                                   | 0.0692                                                                     | ●                                                                                 |   | ● |   | 0034.7307    |
| 0.2               | 250                 | 1)                | 262                                             | 60                                                   | 0.133                                                                      | ●                                                                                 |   | ● |   | 0034.7308    |
| 0.25              | 250                 | 1)                | 202                                             | 55                                                   | 0.258                                                                      | ●                                                                                 |   | ● |   | 0034.7309    |
| 0.315             | 250                 | 1)                | 168                                             | 49                                                   | 0.361                                                                      | ●                                                                                 |   | ● |   | 0034.7310    |
| 0.4               | 250                 | 1)                | 159                                             | 69                                                   | 0.528                                                                      | ●                                                                                 |   | ● |   | 0034.7311    |
| 0.5               | 250                 | 1)                | 143                                             | 78                                                   | 0.898                                                                      | ●                                                                                 |   | ● |   | 0034.7312    |
| 0.63              | 250                 | 1)                | 124                                             | 85                                                   | 2.24                                                                       | ●                                                                                 |   | ● |   | 0034.7313    |
| 0.8               | 250                 | 1)                | 114                                             | 98                                                   | 4.05                                                                       | ●                                                                                 |   | ● |   | 0034.7314    |
| 1                 | 250                 | 1)                | 100                                             | 107                                                  | 6.85                                                                       | ●                                                                                 |   | ● |   | 0034.7315    |
| 1.25              | 250                 | 1)                | 94                                              | 127                                                  | 7.93                                                                       | ●                                                                                 |   | ● |   | 0034.7316    |
| 1.6               | 250                 | 1)                | 85                                              | 145                                                  | 17.5                                                                       | ●                                                                                 |   | ● |   | 0034.7317    |
| 2                 | 250                 | 1)                | 80                                              | 175                                                  | 28.6                                                                       | ●                                                                                 |   | ● |   | 0034.7318    |
| 2.5               | 250                 | 1)                | 75                                              | 205                                                  | 40.9                                                                       | ●                                                                                 |   | ● |   | 0034.7319    |
| 3.15              | 250                 | 1)                | 71                                              | 240                                                  | 55                                                                         | ●                                                                                 |   | ● |   | 0034.7320    |
| 4                 | 250                 | 1)                | 72                                              | 303                                                  | 67.2                                                                       | ●                                                                                 |   | ● |   | 0034.7321    |
| 5                 | 250                 | 1)                | 70                                              | 376                                                  | 142                                                                        | ●                                                                                 |   | ● |   | 0034.7322    |
| 6.3               | 250                 | 1)                | 68                                              | 488                                                  | 287                                                                        | ●                                                                                 |   | ● |   | 0034.7323    |
| 8                 | 250                 | 1)                | 50                                              | 445                                                  | 422                                                                        | ●                                                                                 |   | ● |   | 0034.7324    |
| 10                | 250                 | 1)                | 50                                              | 630                                                  | 564                                                                        | ●                                                                                 |   | ● |   | 0034.7325    |

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

1) 50 A @ 250 VAC,  $\cos \varphi = 0.95 - 1.0$

#### Packaging Unit

acc. IEC 60286-2

S = 4.3 mm      100 pcs in ESD-plastic bag  
 L = 18.8 mm    100 St. (Bulk)  
 T = 18.8 mm    750 pcs. in tape [P = P0: 12.7; P1: 3.81; H1: 26.45] on reel [A: 360; W3: 40; W4: 52; C: 30.5]