

Subminiature Fuse, 11.5 x 5 mm, Time-Lag T



IEC 60127-4 · 250 VAC · Time-Lag T



### Description

- Subminiature fuse time-lag T

### Standards

- IEC 60127-4/1
- UL 248-14
- CSA C22.2 no. 248.14

### Approvals

- UL File Number: E41599

### Applications

- Primary Protection on PCB
- Power Supply Adapter for e.g. laptops

### References

[Packaging Details](#)

Corresponding Fuseholder [231819](#)

### 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](#)

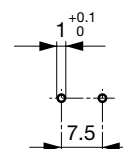
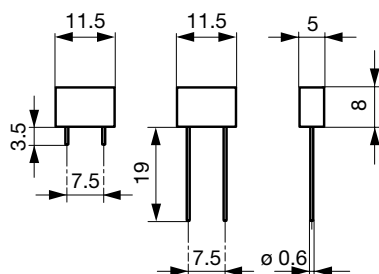
### Technical Data

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| Rated Voltage                | 250 VAC                                                                      |
| Rated current                | 0.2 - 10 A                                                                   |
| Breaking Capacity            | 50 A - 100 A                                                                 |
| Characteristic               | Time-Lag T                                                                   |
| Mounting                     | PCB, THT                                                                     |
| 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                  | 0.72 g                                                                       |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                 |
| Product Marking              | , Rated current, Rated Voltage, Characteristic, Breaking Capacity, Approvals |

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Soldering Methods            | Wave, Iron<br><a href="#">Soldering Profile</a>           |
| Solderability                | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1  |
| Resistance to Soldering Heat | 260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A |
| Resistance to Vibration      | acc. to IEC 60068-2-6, test Fc                            |

### Dimension

11.5 mm

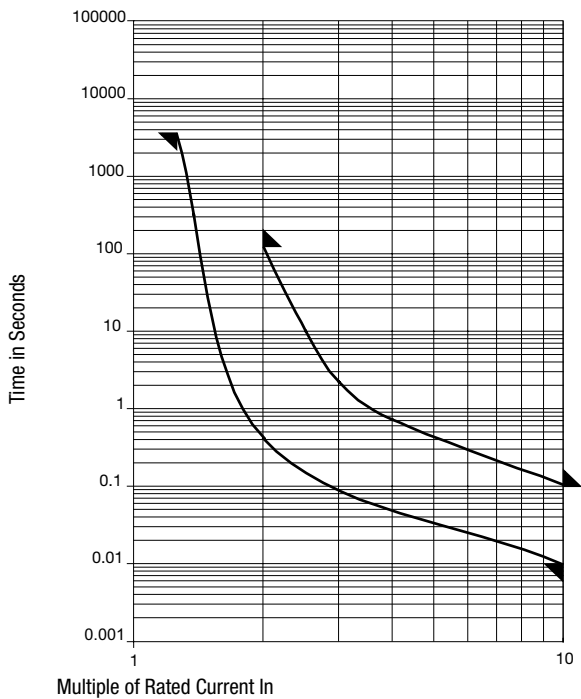


Drilling diagram

### Pre-Arcing Time

| Rated Current In | 1.25 x In min. | 2.0 x In max. | 10.0 x In min. | 10.0 x In max. |
|------------------|----------------|---------------|----------------|----------------|
| 0.2 A - 10 A     | 60 min         | 120 s         | 10 ms          | 100 ms         |

Time-Current-Curves



All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.25 In typ. [mW] | Melting I²t 10.0 Intyp. [A²s] |  |   |     | Order Number |
|-------------------|---------------------|-------------------|-------------------------------|-------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|---|-----|--------------|
| 0.2               | 250                 | 1)                | 235                           | 85                                  | 0.1                           | ●                                                                                   | ● |     | 7100.1008.13 |
| 0.25              | 250                 | 1)                | 180                           | 80                                  | 0.2                           | ●                                                                                   | ● |     | 7100.1009.13 |
| 0.315             | 250                 | 1)                | 130                           | 70                                  | 0.3                           | ●                                                                                   | ● |     | 7100.1010.13 |
| 0.4               | 250                 | 1)                | 130                           | 90                                  | 0.49                          | ●                                                                                   | ● |     | 7100.1011.13 |
| 0.5               | 250                 | 1)                | 120                           | 110                                 | 0.53                          | ●                                                                                   | ● |     | 7100.1012.13 |
| 0.63              | 250                 | 1)                | 100                           | 115                                 | 1.13                          | ●                                                                                   | ● |     | 7100.1013.13 |
| 0.8               | 250                 | 2)                | 230                           | 330                                 | 1.5                           | ●                                                                                   | ● |     | 7100.1014.13 |
| 1                 | 250                 | 2)                | 155                           | 300                                 | 1.6                           | ●                                                                                   | ● |     | 7100.1015.13 |
| 1.25              | 250                 | 2)                | 120                           | 270                                 | 3                             | ●                                                                                   | ● |     | 7100.1016.13 |
| 1.6               | 250                 | 2)                | 120                           | 375                                 | 4.9                           | ●                                                                                   | ● |     | 7100.1017.13 |
| 2                 | 250                 | 2)                | 105                           | 400                                 | 7                             | ●                                                                                   | ● |     | 7100.1018.13 |
| 2.5               | 250                 | 3)                | 95                            | 420                                 | 7.3                           | ●                                                                                   | ● |     | 7100.1019.13 |
| 3.15              | 250                 | 3)                | 92                            | 520                                 | 4.7                           | ●                                                                                   | ● |     | 7100.1020.13 |
| 4                 | 250                 | 3)                | 90                            | 600                                 | 25                            | ●                                                                                   | ● |     | 7100.1021.13 |
| 5                 | 250                 | 3)                | 92                            | 800                                 | 32                            | ●                                                                                   | ● |     | 7100.1022.13 |
| 6.3               | 250                 | 4)                | 93                            | 680                                 | 53                            | ●                                                                                   | ● |     | 7100.1023.13 |
| 8                 | 250                 | 4)                | 65                            | 500                                 | 87                            | ●                                                                                   | ● |     | 7100.1024.13 |
| 10                | 250                 | 4)                | 63                            | 900                                 | 160                           | ●                                                                                   | ● |     | 7100.1025.13 |
| 0.2               | 250                 | 1)                | 235                           | 85                                  | 0.1                           | ●                                                                                   |   | ● ● | 7100.1108.13 |
| 0.2               | 250                 | 1)                | 235                           | 85                                  | 0.1                           | ●                                                                                   |   | ● ● | 7100.1108.95 |
| 0.2               | 250                 | 1)                | 235                           | 85                                  | 0.1                           | ●                                                                                   |   | ● ● | 7100.1108.96 |
| 0.25              | 250                 | 1)                | 180                           | 80                                  | 0.2                           | ●                                                                                   |   | ● ● | 7100.1109.13 |
| 0.25              | 250                 | 1)                | 180                           | 80                                  | 0.2                           | ●                                                                                   |   | ● ● | 7100.1109.95 |
| 0.25              | 250                 | 1)                | 180                           | 80                                  | 0.2                           | ●                                                                                   |   | ● ● | 7100.1109.96 |
| 0.315             | 250                 | 1)                | 130                           | 70                                  | 0.3                           | ●                                                                                   |   | ● ● | 7100.1110.13 |
| 0.315             | 250                 | 1)                | 130                           | 70                                  | 0.3                           | ●                                                                                   |   | ● ● | 7100.1110.95 |
| 0.315             | 250                 | 1)                | 130                           | 70                                  | 0.3                           | ●                                                                                   |   | ● ● | 7100.1110.96 |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.25 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 Intyp. [A²s] |  | S | L | T | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------|-------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|---|---|---|--------------|
| 0.4               | 250                 | 1)                | 130                                       | 90                                              | 0.49                                       | ●                                                                                 | ● | ● | ● | 7100.1111.13 |
| 0.4               | 250                 | 1)                | 130                                       | 90                                              | 0.49                                       | ●                                                                                 | ● | ● | ● | 7100.1111.95 |
| 0.4               | 250                 | 1)                | 130                                       | 90                                              | 0.49                                       | ●                                                                                 | ● | ● | ● | 7100.1111.96 |
| 0.5               | 250                 | 1)                | 120                                       | 110                                             | 0.53                                       | ●                                                                                 | ● | ● | ● | 7100.1112.13 |
| 0.5               | 250                 | 1)                | 120                                       | 110                                             | 0.53                                       | ●                                                                                 | ● | ● | ● | 7100.1112.95 |
| 0.5               | 250                 | 1)                | 120                                       | 110                                             | 0.53                                       | ●                                                                                 | ● | ● | ● | 7100.1112.96 |
| 0.63              | 250                 | 1)                | 100                                       | 115                                             | 1.13                                       | ●                                                                                 | ● | ● | ● | 7100.1113.13 |
| 0.63              | 250                 | 1)                | 100                                       | 115                                             | 1.13                                       | ●                                                                                 | ● | ● | ● | 7100.1113.95 |
| 0.63              | 250                 | 1)                | 100                                       | 115                                             | 1.13                                       | ●                                                                                 | ● | ● | ● | 7100.1113.96 |
| 0.8               | 250                 | 2)                | 230                                       | 330                                             | 1.5                                        | ●                                                                                 | ● | ● | ● | 7100.1114.13 |
| 0.8               | 250                 | 2)                | 230                                       | 330                                             | 1.5                                        | ●                                                                                 | ● | ● | ● | 7100.1114.95 |
| 0.8               | 250                 | 2)                | 230                                       | 330                                             | 1.5                                        | ●                                                                                 | ● | ● | ● | 7100.1114.96 |
| 1                 | 250                 | 2)                | 155                                       | 300                                             | 1.6                                        | ●                                                                                 | ● | ● | ● | 7100.1115.13 |
| 1                 | 250                 | 2)                | 155                                       | 300                                             | 1.6                                        | ●                                                                                 | ● | ● | ● | 7100.1115.95 |
| 1                 | 250                 | 2)                | 155                                       | 300                                             | 1.6                                        | ●                                                                                 | ● | ● | ● | 7100.1115.96 |
| 1.25              | 250                 | 2)                | 120                                       | 270                                             | 3                                          | ●                                                                                 | ● | ● | ● | 7100.1116.13 |
| 1.25              | 250                 | 2)                | 120                                       | 270                                             | 3                                          | ●                                                                                 | ● | ● | ● | 7100.1116.95 |
| 1.25              | 250                 | 2)                | 120                                       | 270                                             | 3                                          | ●                                                                                 | ● | ● | ● | 7100.1116.96 |
| 1.6               | 250                 | 2)                | 120                                       | 375                                             | 4.9                                        | ●                                                                                 | ● | ● | ● | 7100.1117.13 |
| 1.6               | 250                 | 2)                | 120                                       | 375                                             | 4.9                                        | ●                                                                                 | ● | ● | ● | 7100.1117.95 |
| 1.6               | 250                 | 2)                | 120                                       | 375                                             | 4.9                                        | ●                                                                                 | ● | ● | ● | 7100.1117.96 |
| 2                 | 250                 | 2)                | 105                                       | 400                                             | 7                                          | ●                                                                                 | ● | ● | ● | 7100.1118.13 |
| 2                 | 250                 | 2)                | 105                                       | 400                                             | 7                                          | ●                                                                                 | ● | ● | ● | 7100.1118.95 |
| 2                 | 250                 | 2)                | 105                                       | 400                                             | 7                                          | ●                                                                                 | ● | ● | ● | 7100.1118.96 |
| 2.5               | 250                 | 3)                | 95                                        | 420                                             | 7.3                                        | ●                                                                                 | ● | ● | ● | 7100.1119.13 |
| 2.5               | 250                 | 3)                | 95                                        | 420                                             | 7.3                                        | ●                                                                                 | ● | ● | ● | 7100.1119.95 |
| 2.5               | 250                 | 3)                | 95                                        | 420                                             | 7.3                                        | ●                                                                                 | ● | ● | ● | 7100.1119.96 |
| 3.15              | 250                 | 3)                | 92                                        | 520                                             | 4.7                                        | ●                                                                                 | ● | ● | ● | 7100.1120.13 |
| 3.15              | 250                 | 3)                | 92                                        | 520                                             | 4.7                                        | ●                                                                                 | ● | ● | ● | 7100.1120.95 |
| 3.15              | 250                 | 3)                | 92                                        | 520                                             | 4.7                                        | ●                                                                                 | ● | ● | ● | 7100.1120.96 |
| 4                 | 250                 | 3)                | 90                                        | 600                                             | 25                                         | ●                                                                                 | ● | ● | ● | 7100.1121.13 |
| 4                 | 250                 | 3)                | 90                                        | 600                                             | 25                                         | ●                                                                                 | ● | ● | ● | 7100.1121.95 |
| 4                 | 250                 | 3)                | 90                                        | 600                                             | 25                                         | ●                                                                                 | ● | ● | ● | 7100.1121.96 |
| 5                 | 250                 | 3)                | 92                                        | 800                                             | 32                                         | ●                                                                                 | ● | ● | ● | 7100.1122.13 |
| 5                 | 250                 | 3)                | 92                                        | 800                                             | 32                                         | ●                                                                                 | ● | ● | ● | 7100.1122.95 |
| 5                 | 250                 | 3)                | 92                                        | 800                                             | 32                                         | ●                                                                                 | ● | ● | ● | 7100.1122.96 |
| 6.3               | 250                 | 4)                | 93                                        | 680                                             | 53                                         | ●                                                                                 | ● | ● | ● | 7100.1123.13 |
| 6.3               | 250                 | 4)                | 93                                        | 680                                             | 53                                         | ●                                                                                 | ● | ● | ● | 7100.1123.95 |
| 6.3               | 250                 | 4)                | 93                                        | 680                                             | 53                                         | ●                                                                                 | ● | ● | ● | 7100.1123.96 |
| 8                 | 250                 | 4)                | 65                                        | 500                                             | 87                                         | ●                                                                                 | ● | ● | ● | 7100.1124.13 |
| 8                 | 250                 | 5)                | 65                                        | 500                                             | 87                                         | ●                                                                                 | ● | ● | ● | 7100.1124.95 |
| 8                 | 250                 | 5)                | 65                                        | 500                                             | 87                                         | ●                                                                                 | ● | ● | ● | 7100.1124.96 |
| 10                | 250                 | 4)                | 63                                        | 900                                             | 160                                        | ●                                                                                 | ● | ● | ● | 7100.1125.13 |
| 10                | 250                 | 5)                | 63                                        | 900                                             | 160                                        | ●                                                                                 | ● | ● | ● | 7100.1125.95 |
| 10                | 250                 | 5)                | 63                                        | 900                                             | 160                                        | ●                                                                                 | ● | ● | ● | 7100.1125.96 |

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

1) UL : 35 A @ 250 VAC/DC / 10 kA @ 125 VAC, p.f. = 0.7 - 0.8

2) UL: 50 A @ 250 VAC/DC / 10 kA @ 125 VAC, p.f. = 0.7 - 0.8

3) UL: 50 A @ 250 VAC, p.f. ≥ 0.95

4) UL: 63 A @ 250 VAC, p.f. ≥ 0.95

|                |                                 |                              |
|----------------|---------------------------------|------------------------------|
| Packaging Unit | .xx = .13 / S = Short Terminals | Plastic Bag (100 pcs.)       |
|                | .xx = .13 / L = Long Terminals  | Plastic Bag (100 pcs.)       |
|                | .xx = .95 / T = Reeled          | Taped 36 cm Reel (500 pcs.)  |
|                | .xx = .96 / T = Reeled          | Taped 36 cm Reel (1000 pcs.) |

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