

Miniature Fuse, 6.3 x 32 mm, Time-Lag T, Sand, 250 VAC



1 - 8 A



10 - 32 A

250 VAC · Time-Lag T



### Description

- Available on request
- H = High Breaking Capacity
- UL Standard Fuse

### Standards

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

### Approvals

- UL File Number: E42088


### References

We recommend for new applications the type SHT 6.3x32

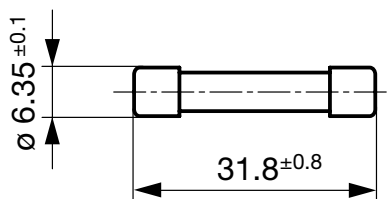
### Weblinks

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

### Technical Data

|                              |   |
|------------------------------|---|
| Rated Voltage                | 150 - 250 VAC, 48 - 63 VDC  |
| Rated current                | 0.5 - 32 A  |
| Breaking Capacity            | 1 kA - 20 kA  |
| Characteristic               | Time-Lag T  |
| Mounting                     | Fuseholder / Clip   |
| Admissible Ambient Air Temp. | -40 °C to 85 °C   |
| Climatic Category            | 40/085/21 acc. to IEC 60068-1   |
| Material: Tube               | Glass with sand filling (1-8 A), ceramic with sand filling (10-32 A)  |
| Material: Endcaps            | Nickel-Plated Copper Alloy  |
| Unit Weight                  | 2.45 g  |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.  |
| Product Marking              |  , Rated current, Rated voltage, Characteristic, Approvals |

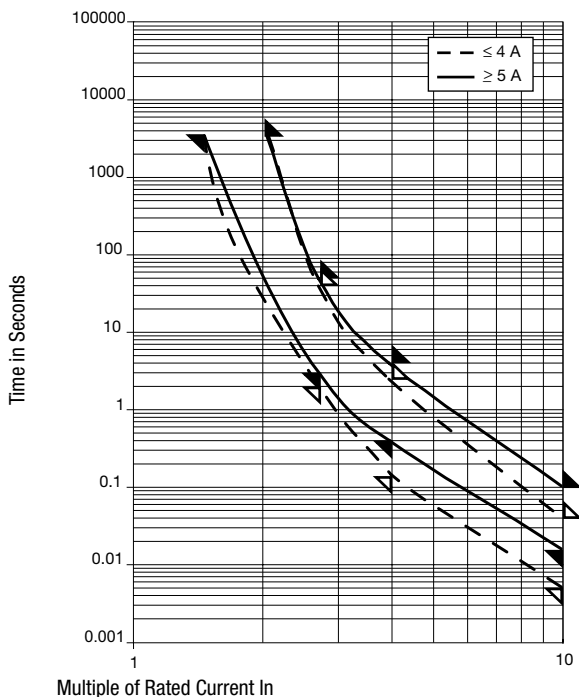
### Dimension



## Pre-Arcing Time

| Rated Current I <sub>n</sub> | 1.1 x I <sub>n</sub> min. | 1.9 x I <sub>n</sub> max. | 2.1 x I <sub>n</sub> max. | 2.75 x I <sub>n</sub> min. | 2.75 x I <sub>n</sub> max. | 4.0 x I <sub>n</sub> min. | 4.0 x I <sub>n</sub> max. | 10.0 x I <sub>n</sub> min. | 10.0 x I <sub>n</sub> max. |
|------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| 0.5 A - 4 A                  | >4 h                      |                           | 60 min                    | 2 s                        | 40 s                       | 150 ms                    | 2.5 s                     | 5 ms                       | 40 ms                      |
| 5 A - 16 A                   | >4 h                      | 60 min                    |                           | 3 s                        | 50 s                       | 400 ms                    | 4 s                       | 15 ms                      | 100 ms                     |
| 20 A - 25 A                  |                           | 60 min                    |                           | 3 s                        | 50 s                       | 400 ms                    | 4 s                       | 15 ms                      | 100 ms                     |
| 32 A                         |                           | 60 min                    |                           |                            |                            |                           |                           |                            |                            |

## Time-Current-Curves



## All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I <sub>n</sub> max. [mV] | Voltage Drop 1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.5 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 Intyp. [A <sup>2</sup> s] |  | Order Number |
|-------------------|---------------------|-------------------|---|---|--|---|---|--------------|
| 0.5               | 250                 | 1)                | 2500                                      | 2400                                      | 3100   | 0.3   | ●   | 0001.2521    |
| 0.63              | 250                 | 1)                | 2000                                      | 560                                       | 900  | 0.3   | ●   | 0001.2522    |
| 0.8               | 250                 | 1)                | 1200                                      | 490                                       | 1000   | 0.5   | ●   | 0001.2523    |
| 1                 | 250                 | 1)                | 900                                       | 350                                       | 900  | 2.4   | ●   | 0001.2524    |
| 1.25              | 250                 | 1)                | 700                                       | 170                                       | 500  | 2.5   | ●   | 0001.2525    |
| 1.6               | 250                 | 1)                | 500                                       | 240                                       | 1000   | 4.2   | ●   | 0001.2526    |
| 2                 | 250                 | 1)                | 400                                       | 200                                       | 1100   | 13  | ●   | 0001.2527    |
| 2.5               | 250                 | 1)                | 350                                       | 150                                       | 1000   | 18  | ●   | 0001.2528    |
| 3.15              | 250                 | 1)                | 300                                       | 160                                       | 1500   | 33  | ●   | 0001.2529    |
| 4                 | 250                 | 1)                | 250                                       | 130                                       | 1500   | 53  | ●   | 0001.2530    |
| 5                 | 250                 | 1)                | 250                                       | 110                                       | 1500   | 127   | ●   | 0001.2531    |
| 6.3               | 250                 | 1)                | 250                                       | 110                                       | 1900   | 224   | ●   | 0001.2532    |
| 8                 | 250                 | 1)                | 200                                       | 70  | 1600   | 360   | ●   | 0001.2533    |
| 10                | 250                 | 1)                | 200                                       | 70  | 2000   | 805   | ●   | 0001.2534    |
| 12.5              | 250                 | 2)                | 200                                       | 70  | 2300   | 1024  | ●   | 0001.2535    |
| 16                | 250                 | 2)                | 150                                       | 70  | 3800   | 1690  | ●   | 0001.2536    |
| 20                | 250                 | 2)                | 150                                       | 70  | 4300   | 2670  | ●   | 0001.2537    |
| 25                | 150                 | 3)                | 150                                       | 70  | 5100   | 1390  | ●   | 0001.2538    |
| 32                | 150                 | 4)                | 150                                       | 70  | 8600   | 2600  | ●   | 0001.2539    |

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

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 In max. [mV] | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.5 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 Intyp. [A <sup>2</sup> s] | Order Number |
|-------------------|---------------------|-------------------|-------------------------------|-------------------------------|--|---|--------------|
|-------------------|---------------------|-------------------|-------------------------------|-------------------------------|--|---|--------------|



- 1) IEC: 1500 A @ 250 VAC, p.f. = 0.7 - 0.8
- 1) UL: 1500 A @ 250 VAC, p.f. = 0.7 - 0.8 / 10 kA @ 125 VAC, p.f. = 0.7 - 0.8 / 20 kA @ 63 VDC
- 2) UL: 1000 A @ 250 VAC, p.f. = 0.95 - 1.0 / 20 kA @ 63 VDC
- 3) UL: 1000 A @ 150 VAC, p.f. = 0.95 - 1.0 / 20 kA @ 63 VDC
- 4) UL: 1000 A @ 150 VAC, p.f. = 0.95 - 1.0 / 20 kA @ 48 VDC

**Packaging Unit**      Small Box Pack (10 pcs.)

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