

Miniature Fuse with Pigtail, 5.4 x 22.5 mm, Time-Lag T, L, 250 VAC



## IEC 60127-2 · 250 VAC · Time-Lag T



### Description

- IEC Standard Fuse
- L = Low Breaking Capacity (Glass Tube)

### Standards

- IEC 60127-2/3
- UL 248-14
- CSA C22.2 no. 248.14

### Approvals

- UL File Number: E41599

### Applications

- Primary Protection on PCB

### References

[Packaging Details](#)

### Weblinks

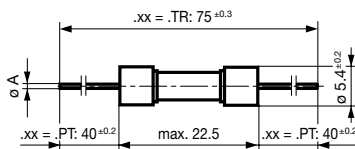
[General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

### Technical Data

|                              |                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage                | 250 VAC                                                                                                                                              |
| Rated Current                | 0.05 - 20 A                                                                                                                                          |
| Breaking Capacity            | 35 A - 200 A                                                                                                                                         |
| Characteristic               | Time-Lag T                                                                                                                                           |
| Admissible Ambient Air Temp. | -55 °C to 125 °C                                                                                                                                     |
| Climatic Category            | 55/125/21 acc. to IEC 60068-1                                                                                                                        |
| Material: Tube               | Glass                                                                                                                                                |
| Material: Endcaps            | Nickel-Plated Copper Alloy                                                                                                                           |
| Material: Axial Leads        | Tin-Plated Copper                                                                                                                                    |
| Unit Weight                  | 1.48 g                                                                                                                                               |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                                                                                         |
| Product Marking              |  , Current, Voltage, Characteristic, Breaking Capacity, Approvals |

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Soldering Methods            | Wave, Iron                                                |
| 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 |

### Dimensions



$I_n \leq 6.3 \text{ A}$ :  $\varnothing A = 0.65 \text{ mm}$

$8 \text{ A} \leq I_n \leq 12.5 \text{ A}$ :  $\varnothing A = 0.8 \text{ mm}$

$I_n \geq 16 \text{ A}$ :  $\varnothing A = 1.0 \text{ mm}$

### Pre-Arcing Time

| Rated Current $I_n$ | 1.5 x $I_n$ min. | 2.1 x $I_n$ max. | 2.75 x $I_n$ min. | 2.75 x $I_n$ max. | 4.0 x $I_n$ min. | 4.0 x $I_n$ max. | 10.0 x $I_n$ min. | 10.0 x $I_n$ max. |
|---------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|-------------------|-------------------|
| 0.05 A - 0.1 A      | 60 min           | 120 s            | 200 ms            | 10 s              | 40 ms            | 3 s              | 10 ms             | 300 ms            |
| 0.125 A - 6.3 A     | 60 min           | 120 s            | 600 ms            | 10 s              | 150 ms           | 3 s              | 20 ms             | 300 ms            |
| 8 A - 20 A          | 30 min           | 120 s            | 600 ms            | 10 s              | 150 ms           | 3 s              | 20 ms             | 300 ms            |

## 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> max. [mW] | Power Dissipation 1.5 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 I <sub>n</sub> Intyp. [A <sup>2</sup> s] |  US | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------|
| 0.05              | 250                 | 1)                | 3500                                      | 950                                       | 1600                                           | 125                                            | 0.0363                                                                 | ●                                                                                      | 0034.3104.xx |
| 0.063             | 250                 | 1)                | 3000                                      | 1300                                      | 1600                                           | 200                                            | 0.0401                                                                 | ●                                                                                      | 0034.3105.xx |
| 0.08              | 250                 | 1)                | 3000                                      | 1100                                      | 1600                                           | 300                                            | 0.057                                                                  | ●                                                                                      | 0034.3106.xx |
| 0.1               | 250                 | 1)                | 2500                                      | 565                                       | 1600                                           | 155                                            | 0.107                                                                  | ●                                                                                      | 0034.3107.xx |
| 0.125             | 250                 | 1)                | 2000                                      | 400                                       | 1600                                           | 200                                            | 0.064                                                                  | ●                                                                                      | 0034.3108.xx |
| 0.16              | 250                 | 1)                | 1900                                      | 415                                       | 1600                                           | 185                                            | 0.23                                                                   | ●                                                                                      | 0034.3109.xx |
| 0.2               | 250                 | 1)                | 1500                                      | 270                                       | 1600                                           | 200                                            | 0.256                                                                  | ●                                                                                      | 0034.3110.xx |
| 0.25              | 250                 | 1)                | 1300                                      | 210                                       | 1600                                           | 200                                            | 0.238                                                                  | ●                                                                                      | 0034.3111.xx |
| 0.315             | 250                 | 1)                | 1100                                      | 170                                       | 1600                                           | 200                                            | 0.544                                                                  | ●                                                                                      | 0034.3112.xx |
| 0.4               | 250                 | 1)                | 1000                                      | 150                                       | 1600                                           | 200                                            | 0.768                                                                  | ●                                                                                      | 0034.3113.xx |
| 0.5               | 250                 | 1)                | 900                                       | 160                                       | 1600                                           | 200                                            | 3                                                                      | ●                                                                                      | 0034.3114.xx |
| 0.63              | 250                 | 1)                | 300                                       | 160                                       | 1600                                           | 300                                            | 4.35                                                                   | ●                                                                                      | 0034.3115.xx |
| 0.8               | 250                 | 1)                | 250                                       | 120                                       | 1600                                           | 300                                            | 3.85                                                                   | ●                                                                                      | 0034.3116.xx |
| 1                 | 250                 | 1)                | 150                                       | 60                                        | 1600                                           | 200                                            | 3.3                                                                    | ●                                                                                      | 0034.3117.xx |
| 1.25              | 250                 | 1)                | 150                                       | 60                                        | 1600                                           | 300                                            | 5.5                                                                    | ●                                                                                      | 0034.3118.xx |
| 1.6               | 250                 | 1)                | 150                                       | 60                                        | 1600                                           | 300                                            | 10.5                                                                   | ●                                                                                      | 0034.3119.xx |
| 2                 | 250                 | 1)                | 150                                       | 60                                        | 1600                                           | 300                                            | 16                                                                     | ●                                                                                      | 0034.3120.xx |
| 2.5               | 250                 | 1)                | 120                                       | 60                                        | 1600                                           | 400                                            | 21.9                                                                   | ●                                                                                      | 0034.3121.xx |
| 3.15              | 250                 | 1)                | 100                                       | 60                                        | 1600                                           | 500                                            | 47                                                                     | ●                                                                                      | 0034.3122.xx |
| 4                 | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 800                                            | 68.3                                                                   | ●                                                                                      | 0034.3123.xx |
| 5                 | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 900                                            | 102                                                                    | ●                                                                                      | 0034.3124.xx |
| 6.3               | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 1000                                           | 190                                                                    | ●                                                                                      | 0034.3125.xx |
| 8                 | 250                 | 2)                | 100                                       | 60                                        | 4000                                           | 1300                                           | 275                                                                    | ●                                                                                      | 0034.3126.xx |
| 10                | 250                 | 2)                | 100                                       | 60                                        | 4000                                           | 1300                                           | 520                                                                    |                                                                                        | 0034.3127.xx |
| 12.5              | 250                 | 2)                | -                                         | 60                                        | -                                              | 2500                                           | 750                                                                    |                                                                                        | 0034.3128.xx |
| 16                | 250                 | 2)                | -                                         | 60                                        | -                                              | 3300                                           | 1638                                                                   |                                                                                        | 0034.3129.xx |
| 20                | 250                 | 2)                | -                                         | 60                                        | -                                              | 4200                                           | 3057                                                                   |                                                                                        | 0034.3130.xx |

1) 35 A @ 250 VAC

2) 10 In @ 250 VAC

## Packaging Unit

.xx = .PT Bulk (1000 pcs.)

.xx = .TR Taped 33 cm Reel (1000 pcs.)

## Time-Current-Curves

