

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

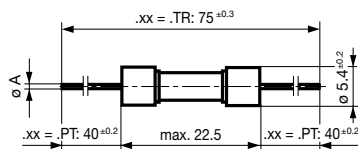
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

## 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, Rated 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 |

## Dimension

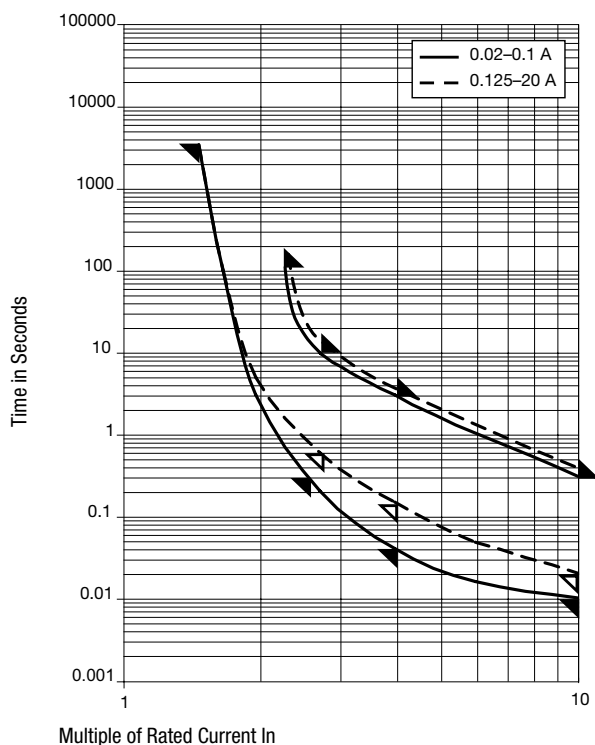


$I_n \leq 6.3 \text{ A}$ :  $\varnothing A = 0.65 \text{ mm}$   
 $8 \text{ A} \leq I_n \leq 12.5 \text{ A}$ :  $\varnothing A = 0.8 \text{ mm}$   
 $I_n \geq 16 \text{ A}$ :  $\varnothing A = 1.0 \text{ mm}$

## 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            |

## Time-Current-Curves



## Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 $I_n$ max. [mV] | Voltage Drop 1.0 $I_n$ typ. [mV] | Power Dissipation 1.5 $I_n$ max. [mW] | Power Dissipation 1.5 $I_n$ typ. [mW] | Melting $I^2t$ 10.0 $I_n$ typ. [A <sup>2</sup> s] |  | 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                 | 3)                | -                                | 60                               | -                                     | 2500                                  | 750                                               |                                                                                       | 0034.3128.xx |
| 16                | 250                 | 3)                | -                                | 60                               | -                                     | 3300                                  | 1638                                              |                                                                                       | 0034.3129.xx |
| 20                | 250                 | 3)                | -                                | 60                               | -                                     | 4200                                  | 3057                                              |                                                                                       | 0034.3130.xx |

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<br>1.0 I <sub>n</sub> max. [mV] | Voltage Drop<br>1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.5 I <sub>n</sub><br>max. [mW] | Power Dissipation 1.5 I <sub>n</sub><br>typ. [mW] | Melting I <sup>2</sup> t<br>10.0 Intyp. [A <sup>2</sup> s] |  | Order Number |
|-----------------------|---------------------|----------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| 1) 35 A @ 250 VAC     |                     |                                                                      |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |
| 2) 10 In @ 250 VAC    |                     |                                                                      |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |
| 3) 125 A @ 250 VAC    |                     |                                                                      |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |
| <hr/>                 |                     |                                                                      |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |
| <b>Packaging Unit</b> |                     | .xx = .PT Bulk (1000 pcs.)<br>.xx = .TR Taped 33 cm Reel (1000 pcs.) |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |
| <hr/>                 |                     |                                                                      |                                              |                                              |                                                   |                                                   |                                                            |                                                                                     |              |