

Miniature Fuse, 5 x 20 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

- VDE Certificate Number: 40016601
- UL File Number: E41599

### Applications

- Primary Protection in Equipment

### References

Pigtail Type [FST 5x20 Pigtail](#)  
Assembled Fuseholder [OGN-SMD](#)  
Fuse Kit [Fuse Kit 5x20](#)

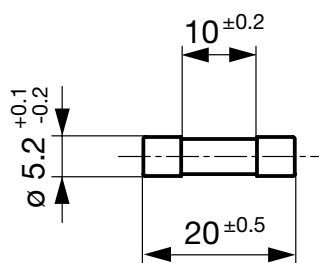
### Weblinks

[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                | 0.02 - 20 A                                                                                                                                                    |
| Breaking Capacity            | 35 A - 125 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                                                                                                                                     |
| Unit Weight                  | 1 g                                                                                                                                                            |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                                                                                                   |
| Product Marking              |  Rated current, Rated voltage, Characteristic, Breaking Capacity, Approvals |

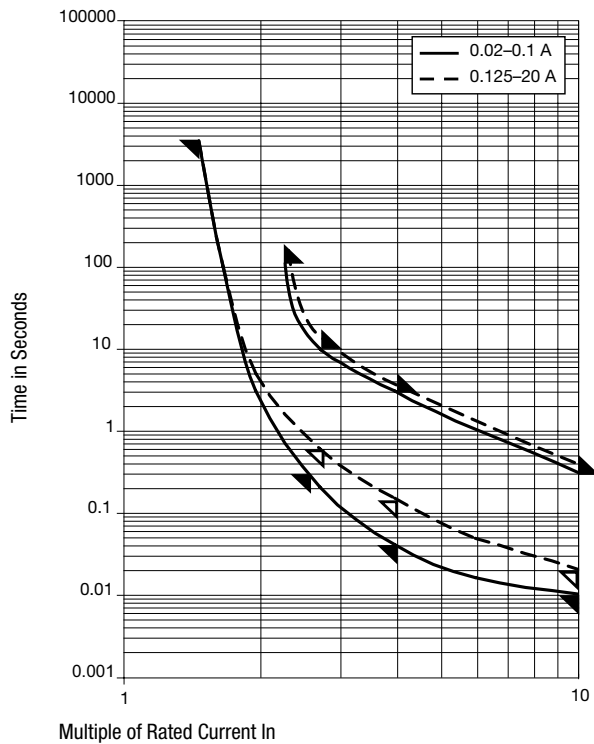
### Dimension



## 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. |
|---------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|-------------------|-------------------|
| 0.02 A              | 60 min           | -                | -                 | -                 | 40 ms            | 3 s              | 10 ms             | 300 ms            |
| 0.032 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 Intyp. [A <sup>2</sup> s] |  |  |  |  |  |  | Order Number |
|-------------------|---------------------|-------------------|----------------------------------|----------------------------------|---------------------------------------|---------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| 0.02              | 250                 | 1)                | -                                | 2700                             | -                                     | 100                                   | 0.0012                                        |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       | 0034.3101    |
| 0.032             | 250                 | 1)                | 5000                             | 3000                             | 1600                                  | 200                                   | 0.0019                                        |                                                                                      |                                                                                       | ●                                                                                     |                                                                                       |                                                                                       |                                                                                       | 0034.3102    |
| 0.04              | 250                 | 1)                | 4000                             | 2100                             | 1600                                  | 200                                   | 0.0027                                        | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3103    |
| 0.05              | 250                 | 1)                | 3500                             | 950                              | 1600                                  | 125                                   | 0.0363                                        | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3104    |
| 0.063             | 250                 | 1)                | 3000                             | 1300                             | 1600                                  | 200                                   | 0.0401                                        | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3105    |
| 0.08              | 250                 | 1)                | 3000                             | 1100                             | 1600                                  | 300                                   | 0.057                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3106    |
| 0.1               | 250                 | 1)                | 2500                             | 565                              | 1600                                  | 155                                   | 0.107                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3107    |
| 0.125             | 250                 | 1)                | 2000                             | 400                              | 1600                                  | 200                                   | 0.064                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3108    |
| 0.16              | 250                 | 1)                | 1900                             | 415                              | 1600                                  | 185                                   | 0.23                                          | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3109    |
| 0.2               | 250                 | 1)                | 1500                             | 270                              | 1600                                  | 200                                   | 0.256                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3110    |
| 0.25              | 250                 | 1)                | 1300                             | 210                              | 1600                                  | 200                                   | 0.238                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3111    |
| 0.315             | 250                 | 1)                | 1100                             | 170                              | 1600                                  | 200                                   | 0.544                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3112    |
| 0.4               | 250                 | 1)                | 1000                             | 150                              | 1600                                  | 200                                   | 0.768                                         | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3113    |
| 0.5               | 250                 | 1)                | 900                              | 160                              | 1600                                  | 200                                   | 3                                             | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3114    |
| 0.63              | 250                 | 1)                | 300                              | 160                              | 1600                                  | 300                                   | 4.35                                          | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3115    |
| 0.8               | 250                 | 1)                | 250                              | 120                              | 1600                                  | 300                                   | 3.85                                          | ●                                                                                    |                                                                                       | ●                                                                                     |                                                                                       | ●                                                                                     |                                                                                       | 0034.3116    |
| 1                 | 250                 | 1)                | 150                              | 60                               | 1600                                  | 200                                   | 3.3                                           | ●                                                                                    |                                                                                       | ●                                                                                     | ●                                                                                     | ●                                                                                     |                                                                                       | 0034.3117    |
| 1.25              | 250                 | 1)                | 150                              | 60                               | 1600                                  | 300                                   | 5.5                                           | ●                                                                                    |                                                                                       | ●                                                                                     | ●                                                                                     | ●                                                                                     |                                                                                       | 0034.3118    |
| 1.6               | 250                 | 1)                | 150                              | 60                               | 1600                                  | 300                                   | 10.5                                          | ●                                                                                    |                                                                                       | ●                                                                                     | ●                                                                                     | ●                                                                                     |                                                                                       | 0034.3119    |
| 2                 | 250                 | 1)                | 150                              | 60                               | 1600                                  | 300                                   | 16                                            | ●                                                                                    |                                                                                       | ●                                                                                     | ●                                                                                     | ●                                                                                     |                                                                                       | 0034.3120    |

| 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 Intyp. [A <sup>2</sup> s] |  |  |  |  |  |  | Order Number |
|-------------------|---------------------|-------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
| 2.5               | 250                 | 1)                | 120                                       | 60                                        | 1600                                           | 400                                            | 21.9                                                    | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | 0034.3121    |
| 3.15              | 250                 | 1)                | 100                                       | 60                                        | 1600                                           | 500                                            | 47                                                      | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | 0034.3122    |
| 4                 | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 800                                            | 68.3                                                    | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | 0034.3123    |
| 5                 | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 900                                            | 102                                                     | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | 0034.3124    |
| 6.3               | 250                 | 2)                | 100                                       | 60                                        | 1600                                           | 1000                                           | 190                                                     | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | 0034.3125    |
| 8                 | 250                 | 2)                | 100                                       | 60                                        | 4000                                           | 1300                                           | 275                                                     | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   | 0034.3126    |
| 10                | 250                 | 2)                | 100                                       | 60                                        | 4000                                           | 1300                                           | 520                                                     | ●                                                                                   |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   | 0034.3127    |
| 12.5              | 250                 | 3)                | -                                         | 60                                        | -                                              | 2500                                           | 750                                                     |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   | 0034.3128    |
| 16                | 250                 | 3)                | -                                         | 60                                        | -                                              | 3300                                           | 1638                                                    |                                                                                     | ●                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     | ●                                                                                   | 0034.3129    |
| 20                | 250                 | 3)                | -                                         | 60                                        | -                                              | 4200                                           | 3057                                                    |                                                                                     |                                                                                     | ●                                                                                   | ●                                                                                   |                                                                                     |                                                                                     | 0034.3130    |

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- 1) 35 A @ 250 VAC
- 2) 10 In @ 250 VAC
- 3) 125 A @ 250 VAC

|                       |                          |                                                               |
|-----------------------|--------------------------|---------------------------------------------------------------|
| <b>Packaging Unit</b> | xxxx.xxxx<br>xxxx.xxxx.G | Small Box Pack (10 pcs.)<br>Bulk 128 x 91 x 60 mm (1000 pcs.) |
|-----------------------|--------------------------|---------------------------------------------------------------|