

Subminiature Fuse, 2.3 x 8 mm, Quick-Acting F, IEC, 125 VAC, 125 VDC



IEC 60127-3 · 125 VAC · 125 VDC · Quick-Acting F



## Description

- High breaking capacity

## Standards

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

## Approvals

- UL File Number: E42088
- CSA File Number: 34549

## 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](#)

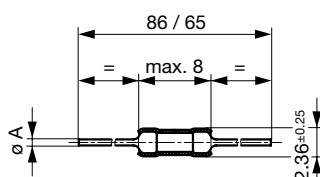
## Technical Data

|                              |                               |
|------------------------------|-------------------------------|
| Rated Voltage                | 32 - 125 VAC, 32 - 125 VDC    |
| Rated current                | 0.063 - 15 A                  |
| Breaking Capacity            | 50 A - 300 A                  |
| Characteristic               | Quick-Acting F                |
| Admissible Ambient Air Temp. | -55 °C to 85 °C               |
| Climatic Category            | 55/085/56 acc. to IEC 60068-1 |
| Material: Tube               | Ceramic                       |
| Material: Axial Leads        | Tin-Plated Copper             |
| Unit Weight                  | 0.46 g                        |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.  |
| Product Marking              | Current                       |

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Soldering Methods            | Wave                                                      |
| 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

8 mm



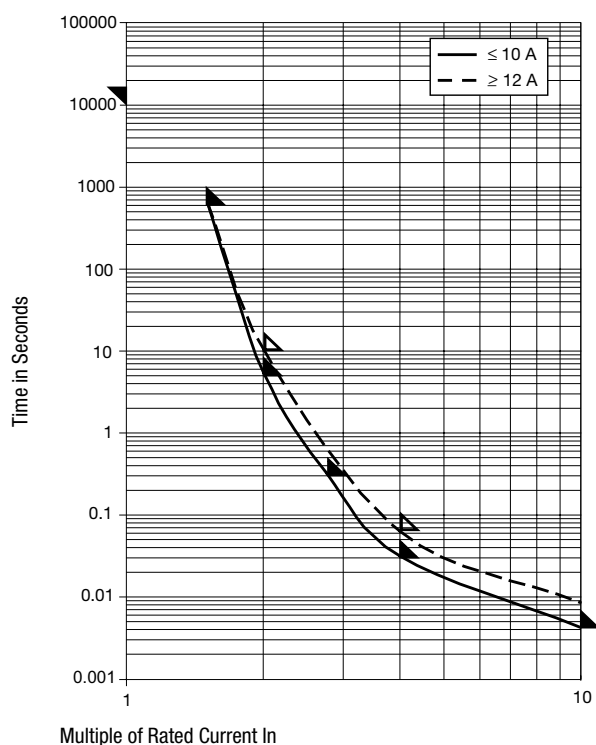
$I_n \leq 10 \text{ A}$ :  $\varnothing A = 0.62 \text{ mm}$

$I_n > 10 \text{ A}$ :  $\varnothing A = 0.82 \text{ mm}$

## Pre-Arcing Time

| Rated Current $I_n$ | 1.0 x $I_n$ min. | 1.5 x $I_n$ max. | 2.0 x $I_n$ max. | 2.75 x $I_n$ max. | 4.0 x $I_n$ max. | 10.0 x $I_n$ max. |
|---------------------|------------------|------------------|------------------|-------------------|------------------|-------------------|
| 0.063 A - 10 A      | 4 h              | 10 min           | 5 s              | 300 ms            | 30 ms            | 4 ms              |
| 12 A - 15 A         | 4 h              | 10 min           | 10 s             | -                 | 60 ms            | -                 |

## Time-Current-Curves



## Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 I <sub>n</sub> typ. [mV] | Power Dissipation 1.0 I <sub>n</sub> typ. [mW] | Melting I <sup>2</sup> t 10.0 Intyp. [A <sup>2</sup> s] |       | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------|--------------|
| 0.063             | 125                 | 125                 | 1)                | 1050                                      | 66                                             | 0.0008                                                  | ● ● ● | 7010.7010.xx |
| 0.125             | 125                 | 125                 | 1)                | 900                                       | 115                                            | 0.0036                                                  | ● ● ● | 7010.7020.xx |
| 0.25              | 125                 | 125                 | 1)                | 325                                       | 82                                             | 0.0094                                                  | ● ● ● | 7010.7030.xx |
| 0.375             | 125                 | 125                 | 1)                | 245                                       | 92                                             | 0.019                                                   | ● ● ● | 7010.7040.xx |
| 0.5               | 125                 | 125                 | 1)                | 260                                       | 130                                            | 0.07                                                    | ● ● ● | 7010.7050.xx |
| 0.75              | 125                 | 125                 | 1)                | 245                                       | 185                                            | 0.18                                                    | ● ● ● | 7010.7060.xx |
| 1                 | 125                 | 125                 | 1)                | 210                                       | 210                                            | 0.3                                                     | ● ● ● | 7010.7070.xx |
| 1.5               | 125                 | 125                 | 1)                | 230                                       | 345                                            | 0.38                                                    | ● ● ● | 7010.7080.xx |
| 2                 | 125                 | 125                 | 1)                | 190                                       | 380                                            | 1.1                                                     | ● ● ● | 7010.7090.xx |
| 2.5               | 125                 | 125                 | 1)                | 175                                       | 440                                            | 1.4                                                     | ● ● ● | 7010.7100.xx |
| 3                 | 125                 | 125                 | 1)                | 170                                       | 510                                            | 2                                                       | ● ● ● | 7010.7110.xx |
| 3.5               | 32                  | 32                  | 2)                | 160                                       | 560                                            | 2.6                                                     | ● ● ● | 7010.7180.xx |
| 4                 | 125                 | 125                 | 1)                | 180                                       | 720                                            | 4                                                       | ● ● ● | 7010.7120.xx |
| 5                 | 125                 | 125                 | 1)                | 170                                       | 850                                            | 6.2                                                     | ● ● ● | 7010.7130.xx |
| 7                 | 125                 | 125                 | 1)                | 135                                       | 945                                            | 13                                                      | ● ● ● | 7010.7140.xx |
| 10                | 125                 | 125                 | 1)                | 130                                       | 1300                                           | 39                                                      | ● ● ● | 7010.7150.xx |
| 12                | 32                  | 32                  | 2)                | 130                                       | 1450                                           | 57                                                      | ● ● ● | 7010.7160.xx |
| 15                | 32                  | 32                  | 2)                | 120                                       | 1800                                           | 90                                                      | ● ● ● | 7010.7170.xx |

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1) UL: 50 A @ 125 VAC, p.f. ≥ 0.95 / 300 A @ 125 VDC

1) CSA: 300 A @ 125 VAC/DC

2) UL: 50 A @ 32 VAC, p.f. ≥ 0.95 / 300 A @ 32 VDC

2) CSA: 300 A @ 32 VAC/DC

**Packaging Unit**

.xx = .13 Plastic Bag (100 pcs.)  
.xx = .37 Taped 19 cm Reel, Fuse Length 65 mm (1500 pcs.)  
.xx = .47 Taped 19 cm Reel, Fuse Length 86 mm (1500 pcs.)

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