

Cartridge Fuse, 6.3x32 mm, 440 - 500 VAC, 63 - 500 VDC 1-32 A, High Breaking Capacity up to 1500 A

new



UL 248-14 · 440 - 500 VAC · 63 - 500 VDC · Quick-Acting F



Description

- 6.3 x 32 mm fuses for primary protection
- 16 rated currents from 1 A to 32 A
- Pigtails optional

Unique Selling Proposition

- High rated voltages up to 500 VAC / VDC
- High breaking capacity up to 1500 A

Standards

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

Approvals

- Approval Reference Type: SHF 6.3x32
- UL File Number: E41599

Applications

- 3-phase applications
- DC applications
- Power supplies
- Frequency converter
- Power electronics

References


[Packaging Details](#)

Pigtail Type [8020.5078.G](#); [SHF 6.3x32 Pigtail](#)

Weblinks

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

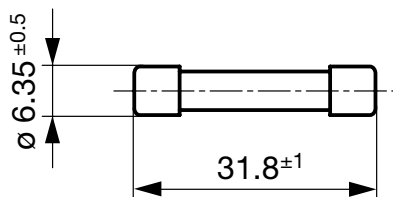
Technical Data

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage | 440 - 500 VAC, 63 - 500 VDC |
| Rated current | 1 - 32 A |
| Breaking Capacity | 1500 A - 20 kA |
| Characteristic | Quick-Acting F |
| Mounting | Fuseholder / Clip |
| Admissible Ambient Air Temp. | -40 °C to 85 °C |
| Climatic Category | 40/085/21 acc. to IEC 60068-1 |
| Material: Tube | Ceramic |
| Material: Endcaps | Nickel-Plated Copper Alloy |
| Material: Axial Leads | Tin-Plated Copper |
| Unit Weight | 2.84 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  Type, Rated current, Rated Voltage, Characteristic, Breaking capacity, Approvals |

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension

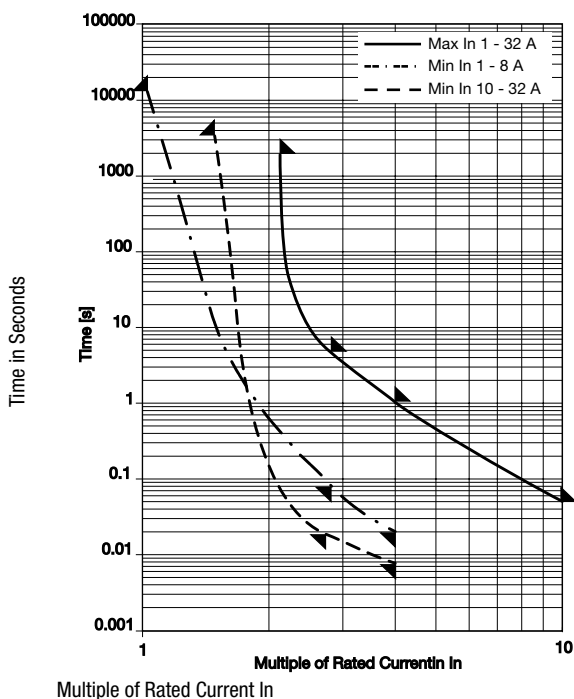
6.3 mm



Pre-Arcing Time

| Rated Current I _n | 1.0 x I _n min. | 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. |
|------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| 1 A - 8 A | | 60 min | 30 min | 20 ms | 5 s | 8 ms | 1 s | - | 50 ms |
| 10 A - 32 A | 240 min | | 30 min | 100 ms | 5 s | 20 ms | 1 s | - | 50 ms |

Time-Current-Curves



All Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 I _n max. [mV] | Power Dissipation 1.5 I _n max. [mW] | Melting I ² t 10.0 Intyp. [A ² s] | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------------------------------|
| 1 | 500 | 500 | 1) | 400 | 1200 | 1.5 | ● 8020.5068 |
| 1 | 500 | 500 | 1) | 400 | 1200 | 1.5 | ● 8020.5068.G |
| 1.25 | 500 | 500 | 1) | 300 | 1300 | 2.9 | ● 8020.5069 |
| 1.25 | 500 | 500 | 1) | 300 | 1300 | 2.9 | ● 8020.5069.G |
| 1.6 | 500 | 400 | 2) | 300 | 1400 | 5.8 | ● 8020.5070 |
| 1.6 | 500 | 400 | 2) | 300 | 1400 | 5.8 | ● 8020.5070.G |

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 In max. [mV] | Power Dissipation 1.5 I _n max. [mW] | Melting I ² t 10.0 Intyp. [A ² s] | Order Number |
|-------------------|---------------------|---------------------|-------------------|-------------------------------|------------------------------------------------|---------------------------------------------------------|--------------|
| 2 | 500 | 400 | 2) | 280 | 1700 | 2 ● | 8020.5071 |
| 2 | 500 | 400 | 2) | 280 | 1700 | 2 ● | 8020.5071.G |
| 2.5 | 500 | 400 | 2) | 260 | 2000 | 3.8 ● | 8020.5072 |
| 2.5 | 500 | 400 | 2) | 260 | 2000 | 3.8 ● | 8020.5072.G |
| 3.15 | 500 | 400 | 2) | 240 | 2300 | 8.6 ● | 8020.5073 |
| 3.15 | 500 | 400 | 2) | 240 | 2300 | 8.6 ● | 8020.5073.G |
| 4 | 500 | 400 | 2) | 220 | 2900 | 14.6 ● | 8020.5074 |
| 4 | 500 | 400 | 2) | 220 | 2900 | 14.6 ● | 8020.5074.G |
| 5 | 500 | 400 | 2) | 190 | 2900 | 33.2 ● | 8020.5075 |
| 5 | 500 | 400 | 2) | 190 | 2900 | 33.2 ● | 8020.5075.G |
| 6.3 | 500 | 400 | 2) | 170 | 3400 | 61.6 ● | 8020.5076 |
| 6.3 | 500 | 400 | 2) | 170 | 3400 | 61.6 ● | 8020.5076.G |
| 8 | 500 | 400 | 2) | 160 | 3700 | 120 ● | 8020.5077 |
| 8 | 500 | 400 | 2) | 160 | 3700 | 120 ● | 8020.5077.G |
| 10 | 500 | 400 | 2) | 150 | 4500 | 220 ● | 8020.5078 |
| 10 | 500 | 400 | 2) | 150 | 4500 | 220 ● | 8020.5078.G |
| 12.5 | 500 | 400 | 2) | 140 | 5500 | 480 ● | 8020.5079 |
| 12.5 | 500 | 400 | 2) | 140 | 5500 | 480 ● | 8020.5079.G |
| 16 | 500 | 400 | 2) | 130 | 6800 | 760 ● | 8020.5080 |
| 16 | 500 | 400 | 2) | 130 | 6800 | 760 ● | 8020.5080.G |
| 20 | 440 | 63 | 3) | 130 | 9500 | 1350 ● | 8020.5081 |
| 20 | 440 | 63 | 3) | 130 | 9500 | 1350 ● | 8020.5081.G |
| 25 | 440 | 63 | 3) | 120 | 13000 | 2150 ● | 8020.5082 |
| 25 | 440 | 63 | 3) | 120 | 13000 | 2150 ● | 8020.5082.G |
| 32 | 440 | 63 | 3) | 120 | 16000 | 4750 ● | 8020.5083 |
| 32 | 440 | 63 | 3) | 120 | 16000 | 4750 ● | 8020.5083.G |

Most Popular.

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

- 1) 1500 A @ 500 VAC, cos φ = 0.99 - 1
1500 A @ 250 VAC, cos φ = 0.7 - 0.8
10 kA @ 125 VAC, cos φ = 0.7 - 0.8
1500 A @ 500 VDC
20 kA @ 63 VDC
- 2) 1500 A @ 500 VAC, cos φ = 0.99 - 1
1500 A @ 250 VAC, cos φ = 0.7 - 0.8
10 kA @ 125 VAC, cos φ = 0.7 - 0.8
1500 A @ 400 VDC
20 kA @ 63 VDC
- 3) 1500 A @ 440 VAC, cos φ = 0.99 - 1
1500 A @ 250 VAC, cos φ = 0.7 - 0.8
10 kA @ 125 VAC, cos φ = 0.7 - 0.8
20 kA @ 63 VDC

| | | |
|-----------------------|-------------|--------------------------|
| Packaging Unit | xxxx.xxxx | Small Box Pack (10 pcs.) |
| | xxxx.xxxx.G | Bulk (1000 pcs.) |