

Axial Lead Fuse, 6.3x32 mm, 500 VAC, 400 VDC, 1-10 A, High Breaking Capacity up to 1500 A

new



UL 248-14 · 500 VAC · Time-Lag T



Description

- 6.3 x 32 mm fuses for primary protection
- Also available as cartridge fuse
- 400 VDC pending for 5, 6.3, 8 A

Unique Selling Proposition

- High rated voltages up to 500 VAC / 400 VDC
- High breaking capacity up to 1500 A

Standards

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

Approvals

- Approval Reference Type: SHT 6.3x32 Pigtail
- UL File Number: E41599

Applications

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

References

[Packaging Details](#)

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

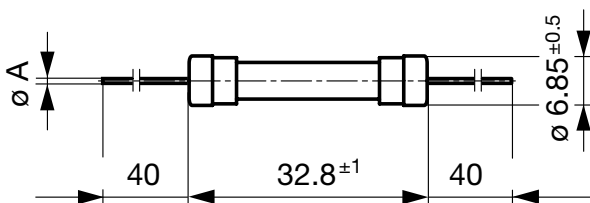
Rated Voltage	500VAC, 63 - 400 VDC
Rated current	1 - 10A
Breaking Capacity	1500A - 20kA
Characteristic	Time-Lag T
Mounting	Solder, THT
Admissible Ambient Air Temp.	-40°C to 85°C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Tube	Ceramic
Material: Endcaps	Nickel-Plated Copper Alloy
Material: Axial Leads	Tin-Plated Copper
Unit Weight	3.54 g
Storage Conditions	0°C to 60°C, max. 70% r.h.
Product Marking	□, Type, Rated current, Rated Voltage, Characteristic, Breaking capacity, Approvals

Solderability	245°C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260°C / 10 sec acc. to IEC 60068-2-58, Test Td

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

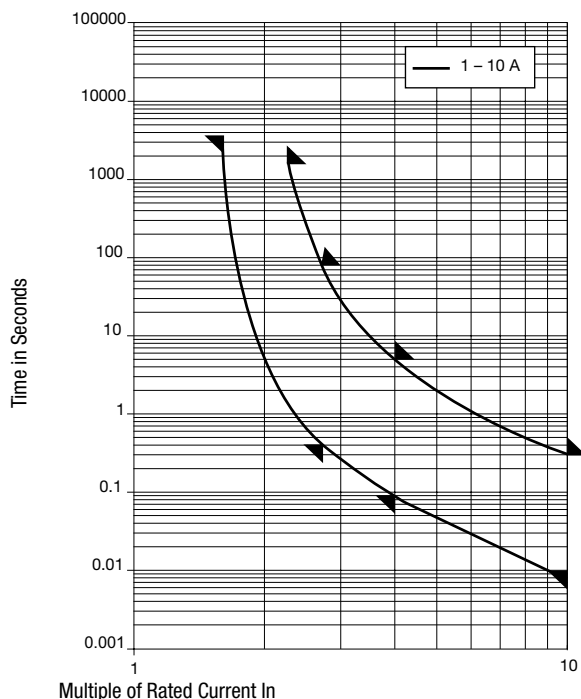


ØA = 0.8 mm

Pre-Arcing Time

Rated Current In	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4.0 x In min.	4.0 x In max.	10.0 x In min.	10.0 x In max.
1 A - 10 A	60 min	30 min	400 ms	80 s	95 ms	5 s	10 ms	300 ms

Time-Current-Curves



All Variants

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
1	500	400	1)	350	900	1.55	● 8020.5011.PT
1.25	500	400	1)	300	1000	3.15	● 8020.5012.PT
1.6	500	400	1)	200	1100	5.4	● 8020.5013.PT
2	500	400	1)	180	1200	10.5	● 8020.5014.PT
2.5	500	400	1)	160	1300	20	● 8020.5015.PT
3.15	500	400	1)	150	1400	39	● 8020.5016.PT
4	500	400	1)	140	1500	71.4	● 8020.5017.PT
5	500	63	3)	135	2200	271	● 8020.5018.PT
6.3	500	63	3)	110	2200	225	● 8020.5019.PT
8	500	63	3)	110	2600	285	● 8020.5020.PT
10	500	400	2)	100	3000	700	● 8020.5021.PT

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 @ 400 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

