SHT 6.3x32 Pigtail

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
- 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

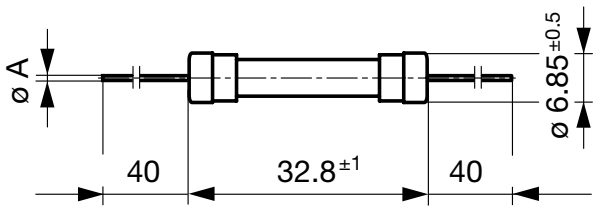
Technical Data

Rated Voltage	500 VAC, 63 - 400 VDC
Rated current	1 - 10 A
Breaking Capacity	1500 A - 20 kA
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

Dimension

6.3 mm

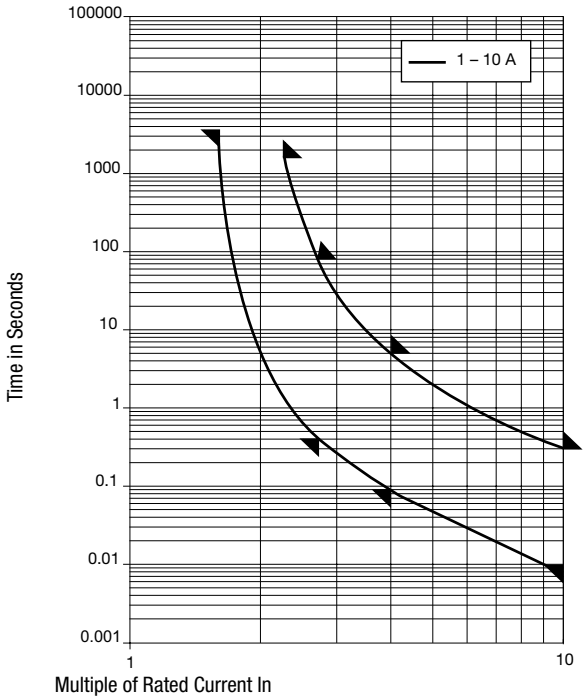


ØA = 0.8 mm

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^2t 10.0 Intyp. [A^2s]	cULus	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/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

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^2t 10.0 Intyp. [A^2s]	Order Number
			10 kA @ 125 VAC, cos φ = 0.7 - 0.8				
			1000 A @ 400 VDC				
			20 kA @ 63 VDC				
3)			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				
			20 kA @ 63 VDC				
			1500 A @ 400 VDC pending				

Packaging Unit Bulk (1000 pcs.)

11.01.2017

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.