SHT 6.3x32 Pigtail

Axial Lead Fuse, 6.3x32 mm, 500 VAC, 400 VDC, 1-10 A, High Breaking Capacity up to 3500 A

new

UL 248-14 · 500 VAC · Time-Lag T

See below:
Approvals and Compliances

Description
- 6.3 x 32 mm fuses for primary protection
- Also available as cartridge fuse

Unique Selling Proposition
- High rated voltages up to 500 VAC / 400 VDC
- High breaking capacity up to 3500 A
- Suitable for pulse-shaped continuous currents
- Useable for commercial cooking appliances according UL 197

Applications
- 3-phase applications
- DC applications
- Photovoltaic
- Frequency converter
- Power electronics
- Commercial cooking appliances

References
Packaging Details

Weblinks
pdf data sheet, html datasheet, General Product Information, Packaging details, Distributor-Stock-Check, Detailed request for product

Application Note Primary Protection in Equipmentwith further information on increased Pulse Strength and their test conditions according to international standards see Impulse Withstand Voltage

Technical Data

Rated Voltage	500 VAC, 63 - 400 VDC
Rated current	1 - 10 A
Breaking Capacity	3500 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	Ceramics
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

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: SHT 6.3x32 Pigtail

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UL File Number: E41599

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses
	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

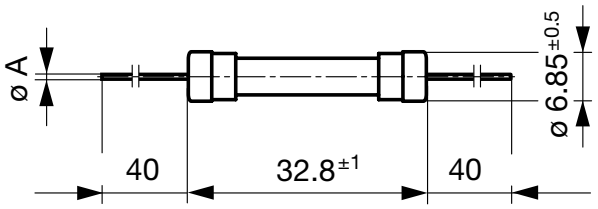
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

6.3 mm

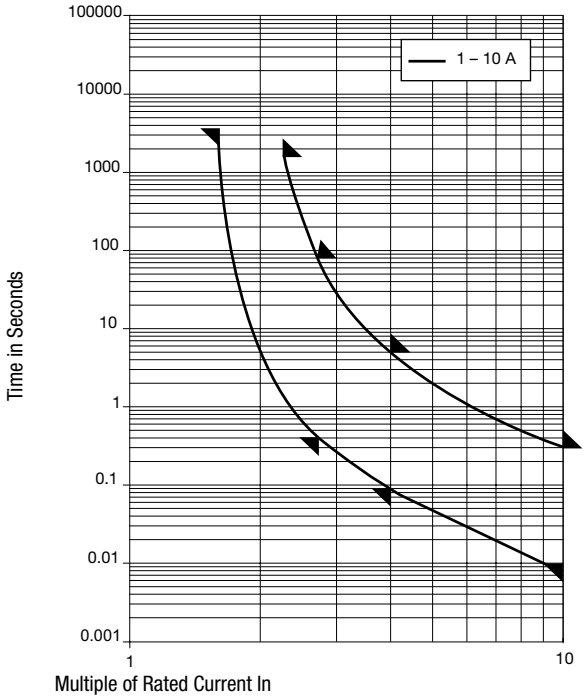


ØA = 0.8 mm

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 I_n max. [mV]	Power Dissipation 1.5 I_n max. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	c UL us	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	400	2)	135	2200	271	●	8020.5018.PT
6.3	500	400	2)	110	2200	225	●	8020.5019.PT
8	500	400	2)	110	2600	285	●	8020.5020.PT
10	500	400	3)	100	3000	700	●	8020.5021.PT

Availability for all products can be searched real-time:https://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
3500 A @ 250 VAC, cos φ = 0.7 - 0.8
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

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

Packaging Unit Bulk (100 pcs.)

12.05.2020