SHF 6.3x32 Pigtail

Axial Lead Fuse, 6.3x32 mm, 440 - 500 VAC, 400 - 500 VDC, 1-8 A, High Breaking Capacity up to 1500 A

new

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

Description
- 6.3 x 32 mm fuses for primary protection
- 10 rated currents from 1 A to 8 A

Unique Selling Proposition
- High rated voltages up to 500 VAC / DC
- 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
- Power supplies
- 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

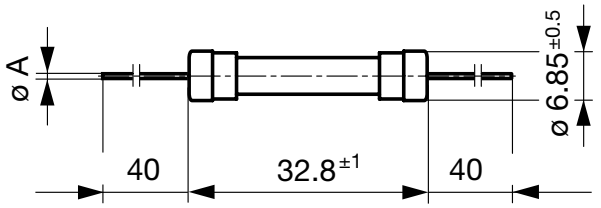
Technical Data

Rated Voltage	440 - 500 VAC, 63 - 500 VDC
Rated current	1 - 8 A
Breaking Capacity	1500 A - 20 kA
Characteristic	Quick-Acting F
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	235 °C / 2 sec acc. to IEC 60068-2-20
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-58

Dimension

6.3 mm

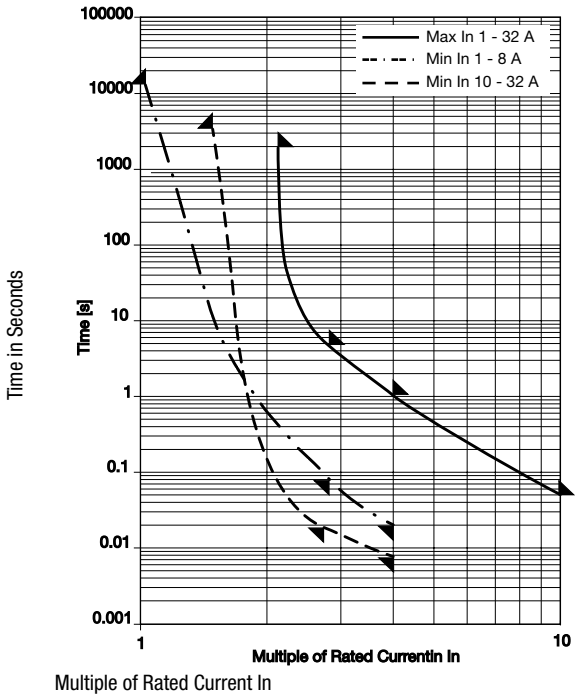


ØA = 0.8 mm

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 - 1 A	60 min	30 min	20 ms	1.5 s	8 ms	400 ms	-	20 ms
1.25 A - 8 A	60 min	30 min	100 ms	5 s	20 ms	1 s	-	50 ms

Time-Current-Curves



Multiple of Rated Current In

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	500	1)	400	1200	1.5	●	8020.5068.PT
1.25	500	500	1)	300	1300	2.9	●	8020.5069.PT
1.6	500	400	2)	300	1400	5.8	●	8020.5070.PT
2	500	400	2)	280	1700	2	●	8020.5071.PT
2.5	500	400	2)	260	2000	3.8	●	8020.5072.PT
3.15	500	400	2)	240	2300	8.6	●	8020.5073.PT
4	500	400	2)	220	2900	14.6	●	8020.5074.PT
5	500	400	2)	190	2900	33.2	●	8020.5075.PT
6.3	500	400	2)	170	3400	61.6	●	8020.5076.PT
8	500	400	2)	160	3700	120	●	8020.5077.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 @ 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

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				
			1500 A @ 400 VDC				
			20 kA @ 63 VDC				

Packaging Unit Bulk (1000 pcs.)

19.11.2016