

Axial Lead Fuse, 6.3x32 mm, 500 VAC, 1-8 A, high Breaking Capacity of 1500 A

**new**



UL 248-14 · 500VAC · Time-Lag T



**Description**

- High breaking capacity
- High rated current
- More rated currents will follow

**Standards**

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

**Approvals**

- UL File Number: E41599

**Applications**

- 3-phase applications
- Building automation (HVAC)
- Photovoltaic
- Frequency converter
- Power electronics

**References**

[Packaging Details](#)

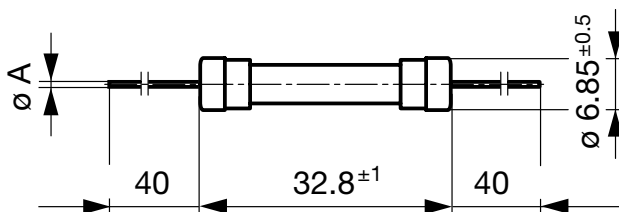
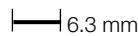
**Weblinks**

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

**Technical Data**

Rated Voltage	500VAC	Solderability	235 °C / 2 sec acc. to IEC 60068-2-20
Rated Current	1 - 8A	Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20
Breaking Capacity	1500A		
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, Current, Dielectric strength, Characteristic, Approvals		

**Dimensions**



## Pre-Arcing Time

Rated Current I <sub>n</sub>	1.5 x I <sub>n</sub> min.	2.1 x I <sub>n</sub> max.	2.75 x I <sub>n</sub> min.	2.75 x I <sub>n</sub> max.	4.0 x I <sub>n</sub> min.	4.0 x I <sub>n</sub> max.	10.0 x I <sub>n</sub> min.	10.0 x I <sub>n</sub> max.
1 A - 1.6 A	60 min	30 min	400 ms	80 s	95 ms	5 s	10 ms	300 ms
2 A - 8 A	60 min	30 min	400 ms	80 s	150 ms	5 s	20 ms	300 ms

## Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I <sub>n</sub> typ. [mV]	Power Dissipation 1.5 I <sub>n</sub> typ. [mW]	Melting I <sup>2</sup> t 10.0 Intyp. c <sub>RU</sub> [A <sup>2</sup> s]	Order Number
1	500	1)	350	900	1.55 ●	8020.5011.PT
1.25	500	1)	300	1000	3.15 ●	8020.5012.PT
1.6	500	1)	200	1100	5.4 ●	8020.5013.PT
2	500	1)	180	1200	10.5 ●	8020.5014.PT
2.5	500	1)	160	1300	20 ●	8020.5015.PT
3.15	500	1)	150	1400	39 ●	8020.5016.PT
4	500	1)	140	1500	71.4 ●	8020.5017.PT
5	500	1)	135	2200	84 ●	8020.5018.PT
6.3	500	1)	110	2200	225 ●	8020.5019.PT
8	500	1)	110	2600	390 ●	8020.5020.PT

1) 1500 A @ 500 VAC

**Packaging Unit** Bulk (1000 pcs.)

## Time-Current-Curves

