

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

new



UL 248-14 · 500VAC · Quick-Acting F



### Description

- High breaking capacity
- High rated current

### Standards

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

### Approvals

- UL File Number: E41599

### Applications

- 3-phase applications
- Industrial electronic
- Power supplies
- Frequency converter
- Power electronics

### References

[Packaging Details](#)

### Weblinks

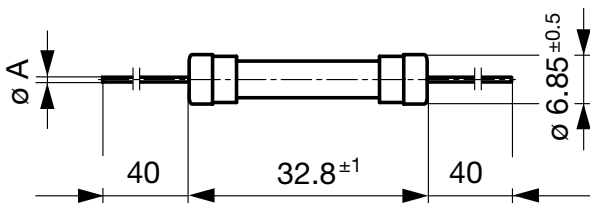
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

### Technical Data

Rated Voltage	500 VAC	Solderability	235 °C / 2 sec acc. to IEC 60068-2-20
Rated current	1 - 8 A	Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-58
Breaking Capacity	1500 A		
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		

### Dimension

6.3 mm

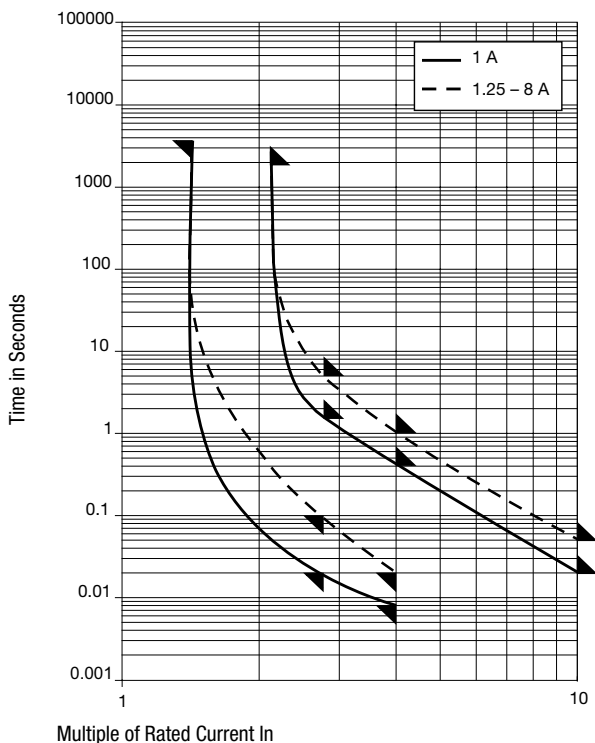


ØA = 0.8 mm

## 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



## Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Power Dissipation 1.5 In max. [mW]	Melting I²t 10.0 Intyp. [A²s]	Order Number
1	500	1)	400	1200	1.5	8020.5068.PT
1.25	500	1)	300	1300	2.9	8020.5069.PT
1.6	500	1)	300	1400	5.8	8020.5070.PT
2	500	1)	280	1700	2	8020.5071.PT
2.5	500	1)	260	2000	3.8	8020.5072.PT
3.15	500	1)	240	2300	8.6	8020.5073.PT
4	500	1)	220	2900	14.6	8020.5074.PT
5	500	1)	190	2900	33.2	8020.5075.PT
6.3	500	1)	170	3400	61.6	8020.5076.PT
8	500	1)	160	3700	120	8020.5077.PT

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1) 1500 A @ 500 VAC

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