

Axial Lead Fuse, 6.3x32 mm, 500 VAC, 1-10 A, High Breaking Capacity of 1500 A

new



UL 248-14 · 500VAC · Time-Lag T



### Description

- High breaking capacity
- High rated current
- Also available as cartridge fuse

### Standards

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

### Approvals

- UL File Number: E41599

### Applications

- 3-phase applications
- Photovoltaic
- Frequency converter
- Power electronics


### References

[Packaging Details](#)

### Weblinks

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

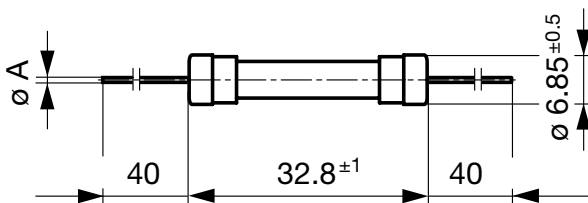
### Technical Data

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

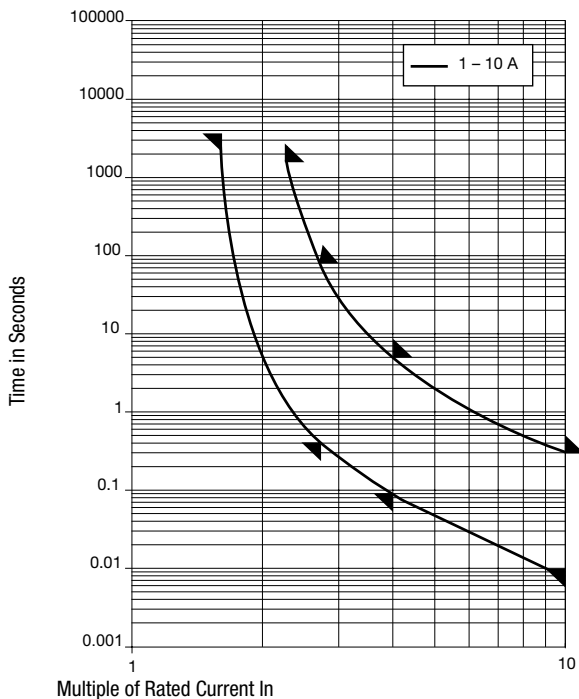


ØA = 0.8 mm

## 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]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Power Dissipation 1.5 In max. [mW]	Melting I <sup>2</sup> t 10.0 Intyp. [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	271	● 8020.5018.PT
6.3	500	1)	110	2200	225	● 8020.5019.PT
8	500	1)	110	2600	285	● 8020.5020.PT
10	500	1)	100	3000	700	● 8020.5021.PT

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- 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
- 20 kA @ 63 VDC

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