

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

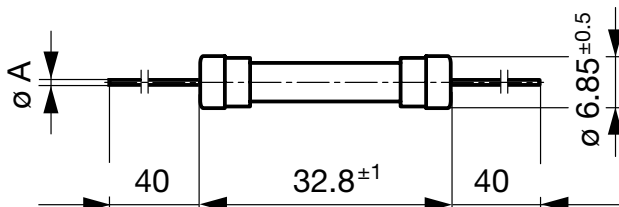
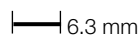
[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

Technical Data

Rated Voltage	500VAC
Rated Current	1 - 8A
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, Voltage, Characteristic, Approvals

Solderability	235 °C / 2 sec acc. to IEC 60068-2-20
Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20


Dimensions



Pre-Arcing Time

Rated Current I _n	1.5 x I _n min.	2.1 x I _n max.	2.75 x I _n min.	2.75 x I _n max.	4.0 x I _n min.	4.0 x I _n max.	10.0 x I _n min.	10.0 x I _n 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 _n typ. [mV]	Power Dissipation 1.5 I _n typ. [mW]	Melting I ² t 10.0 Intyp. [A ² s]		Order Number
1	500	1)	350	0.9	1.55	●	8020.5011.PT
1.25	500	1)	300	1	3.15	●	8020.5012.PT
1.6	500	1)	200	1.1	5.4	●	8020.5013.PT
2	500	1)	180	1.2	10.5	●	8020.5014.PT
2.5	500	1)	160	1.3	20	●	8020.5015.PT
3.15	500	1)	150	1.4	39	●	8020.5016.PT
4	500	1)	140	1.5	71.4	●	8020.5017.PT
5	500	1)	135	2.2	84	●	8020.5018.PT
6.3	500	1)	110	2.2	225	●	8020.5019.PT
8	500	1)	110	2.6	390	●	8020.5020.PT

1) 1500 A @ 500 VAC

Packaging Unit Bulk (1000 pcs.)

Time-Current-Curves

