SHT 6.3x32

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

new



UL 248-14 · 500 VAC · Time-Lag T

Description
- High breaking capacity
- High rated current
- Pigtails optional

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

Approvals
- UL File Number: E41599

Applications
- 3-phase applications
- Industrial electronic
- Photovoltaic
- Frequency converter
- Power electronics

References
Packaging Details
Pigtail Type SHT 6.3x32 Pigtail

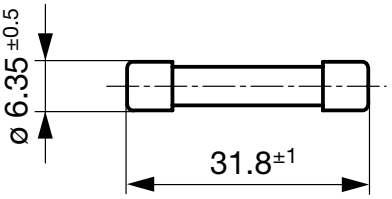
Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	500 VAC, 63 VDC
Rated current	1 - 10 A
Breaking Capacity	1500 A - 20 kA
Characteristic	Time-Lag T
Mounting	Fuseholder / Clip
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	2.84 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Rated voltage, Characteristic, Breaking capacity, Approvals

Dimension

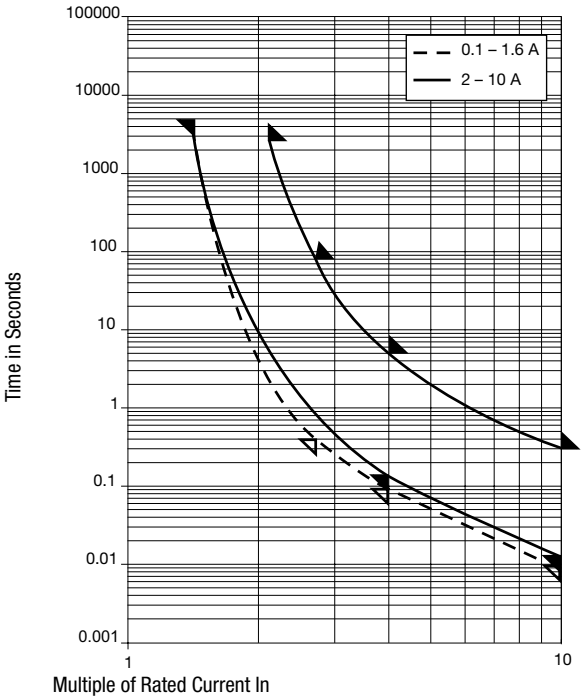
6.3 mm



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 - 1.6 A	60 min	30 min	400 ms	80 s	95 ms	5 s	10 ms	300 ms
2 A - 10 A	60 min	30 min	400 ms	80 s	150 ms	5 s	20 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 I_n max. [mW]	Melting I^2t 10.0 Intyp. [A^2s]	cULus	Order Number
1	500	1)	350	900	1.55	●	8020.5011
1	500	1)	350	900	1.55	●	8020.5011.G
1.25	500	1)	300	1000	3.15	●	8020.5012
1.25	500	1)	300	1000	3.15	●	8020.5012.G
1.6	500	1)	200	1100	5.4	●	8020.5013
1.6	500	1)	200	1100	5.4	●	8020.5013.G
2	500	1)	180	1200	10.5	●	8020.5014
2	500	1)	180	1200	10.5	●	8020.5014.G
2.5	500	1)	160	1300	20	●	8020.5015
2.5	500	1)	160	1300	20	●	8020.5015.G
3.15	500	1)	150	1400	39	●	8020.5016
3.15	500	1)	150	1400	39	●	8020.5016.G
4	500	1)	140	1500	71.4	●	8020.5017
4	500	1)	140	1500	71.4	●	8020.5017.G
5	500	1)	135	2200	271	●	8020.5018
5	500	1)	135	2200	271	●	8020.5018.G
6.3	500	1)	110	2200	225	●	8020.5019
6.3	500	1)	110	2200	225	●	8020.5019.G
8	500	1)	110	2600	285	●	8020.5020
8	500	1)	110	2600	285	●	8020.5020.G
10	500	1)	100	3000	700	●	8020.5021
10	500	1)	100	3000	700	●	8020.5021.G

Rated Current [A]	Rated Voltage [VAC]	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

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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	xxxx.xxxx	Small Box Pack (10 pcs.)
	xxxx.xxxx.G	Bulk (1000 pcs.)

26.03.2015

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