SHT 6.3x32

Cartridge Fuse, 6.3x32 mm, 400-500 VAC, 400 VDC, 1-32 A, High Breaking Capacity up to 1500 A

new

UL 248-14 · 400 - 500 VAC · Time-Lag T

Description
- 6.3 x 32 mm fuses for primary protection
- 16 rated currents from 0.5 A to 32 A
- 400 VDC pending for 5, 6.3, 8 A

Unique Selling Proposition
- High rated voltages up to 500 VAC / 400 VDC
- High breaking capacity up to 1500 A

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

Approvals
- Approval Reference Type: SHT 6.3x32
- UL File Number: E41599

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

References
Packaging Details
Pigtail Type SHT 6.3x32 Pigtail

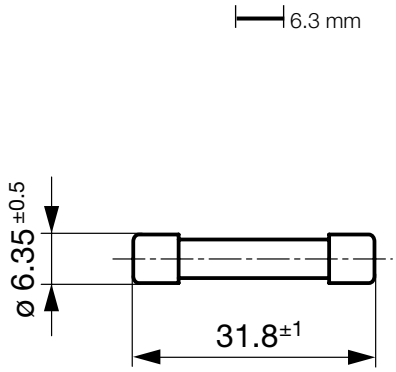
Weblinks
pdf datasheet, html-datasheet, General Product Information, Packaging details, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	400 - 500 VAC, 63 - 400 VDC
Rated current	0.5 - 32 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

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

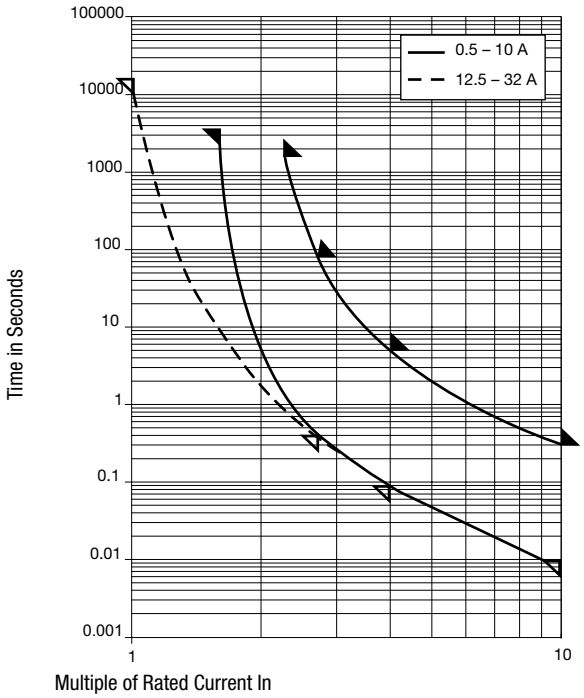
Dimension



Pre-Arcing Time

Rated Current In	1.0 x In min.	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.
0.5 A - 10 A	-	60 min	30 min	400 ms	80 s	95 ms	5 s	10 ms	300 ms
12.5 A - 32 A	4 h	-	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]	Rated Voltage [VDC]	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
0.5	500	400	1)	470	600	0.46	●	8020.5008
0.5	500	400	1)	470	600	0.46	●	8020.5008.G
1	500	400	1)	350	900	1.55	●	8020.5011
1	500	400	1)	350	900	1.55	●	8020.5011.G
1.25	500	400	1)	300	1000	3.15	●	8020.5012
1.25	500	400	1)	300	1000	3.15	●	8020.5012.G

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	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
1.6	500	400	1)	200	1100	5.4	●	8020.5013
1.6	500	400	1)	200	1100	5.4	●	8020.5013.G
2	500	400	1)	180	1200	10.5	●	8020.5014
2	500	400	1)	180	1200	10.5	●	8020.5014.G
2.5	500	400	1)	160	1300	20	●	8020.5015
2.5	500	400	1)	160	1300	20	●	8020.5015.G
3.15	500	400	1)	150	1400	39	●	8020.5016
3.15	500	400	1)	150	1400	39	●	8020.5016.G
4	500	400	1)	140	1500	71.4	●	8020.5017
4	500	400	1)	140	1500	71.4	●	8020.5017.G
5	500	63	5)	135	2200	271	●	8020.5018
5	500	63	5)	135	2200	271	●	8020.5018.G
6.3	500	63	5)	110	2200	225	●	8020.5019
6.3	500	63	5)	110	2200	225	●	8020.5019.G
8	500	63	5)	110	2600	285	●	8020.5020
8	500	63	5)	110	2600	285	●	8020.5020.G
10	500	400	2)	110	3000	700	●	8020.5021
10	500	400	2)	110	3000	700	●	8020.5021.G
12.5	400	400	3)	120	5000	710	●	8020.5022
12.5	400	400	3)	120	5000	710	●	8020.5022.G
16	400	400	3)	130	5700	1400	●	8020.5023
16	400	400	3)	130	5700	1400	●	8020.5023.G
20	400	63	4)	100	6000	4000	●	8020.5024
20	400	63	4)	100	6000	4000	●	8020.5024.G
25	400	63	4)	100	8000	5440	●	8020.5025
25	400	63	4)	100	8000	5400	●	8020.5025.G
32	400	63	4)	110	10500	8750	●	8020.5026
32	400	63	4)	110	10500	8750	●	8020.5026.G

Most Popular.

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

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
1500 A @ 400 VDC
20 kA @ 63 VDC

2) 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
1000 A @ 400 VDC
20 kA @ 63 VDC

3) 1500 A @ 400 VAC, cos φ = 0.99 - 1
1000 A @ 250 VAC, cos φ = 0.7 - 0.8
10 kA @ 125 VAC, cos φ = 0.7 - 0.8
1000 A @ 400 VDC
20 kA @ 63 VDC

4) 1500 A @ 400 VAC, cos φ = 0.99 - 1
1000 A @ 250 VAC, cos φ = 0.7 - 0.8

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	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
			10 kA @ 125 VAC, cos φ = 0.7 - 0.8 20 kA @ 63 VDC				
5)			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 1500 A @ 400 VDC pending				

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

08.05.2017