SPT 5x20

Miniature Fuse, 5 x 20 mm, Time-Lag T, H, 250 VAC, UL: 115 V - 300 VDC

IEC 60127-2 · 250 VAC · 300 VDC · Time-Lag T

Description
- IEC Standard Fuse
- H = High Breaking Capacity (Ceramic Tube)

Standards
- IEC 60127-2/5
- UL 248-14
- CSA C22.2 no. 248.14

Approvals
- Approval Reference Type: SPT 5x20
- VDE Certificate Number: 40014395
- UL File Number: E41599

Applications
- Primary Protection in Equipment
- Power Supply Adapter for e.g. laptops
- SMPS (Switching Mode Power Supply) for TV's and DVD's

References
Pigtail Type SPT 5x20 Pigtail
Fuse Kit Fuse Kit SP 5x20 / SPT 5x20

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

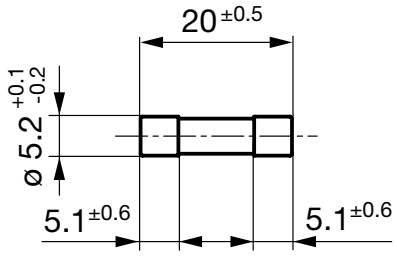
Technical Data

Rated Voltage	250 VAC, 300 VDC
Rated current	0.5 - 16 A
Breaking Capacity	500 A - 1500 A
Characteristic	Time-Lag T
Admissible Ambient Air Temp.	-55 °C to 125 °C
Climatic Category	55/125/21 acc. to IEC 60068-1
Material: Tube	Ceramic
Material: Endcaps	Nickel-Plated Copper Alloy
Unit Weight	1.16 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, 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

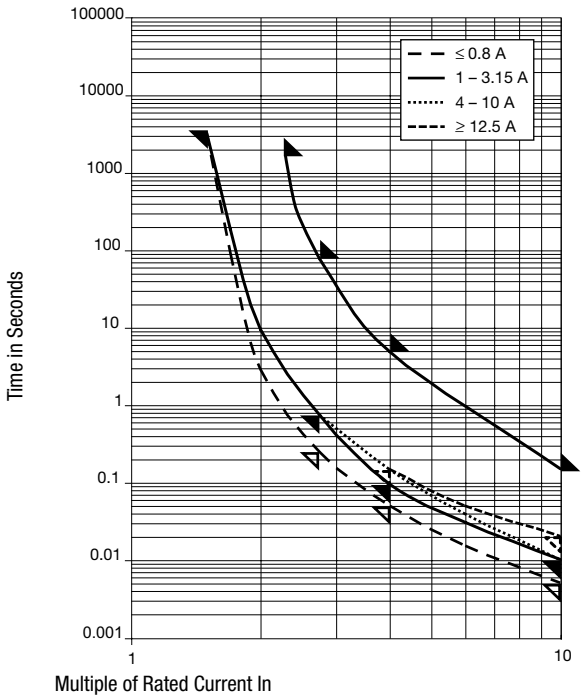
20 mm



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.
0.5 A - 0.8 A	60 min	30 min	250 ms	80 s	50 ms	5 s	5 ms	150 ms
1 A - 3.15 A	60 min	30 min	750 ms	80 s	95 ms	5 s	10 ms	150 ms
4 A - 6.3 A	60 min	30 min	750 ms	80 s	150 ms	5 s	10 ms	150 ms
8 A - 10 A	30 min	30 min	750 ms	80 s	150 ms	5 s	10 ms	150 ms
12.5 A - 16 A	15 min	30 min	750 ms	80 s	150 ms	5 s	20 ms	150 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.5 I_n max.	Power Dissipation 1.5 I_n typ. [mW]	Melting I^2t 10.0 Intyp. [A^2s]							Order Number
0.5	250	300	1)	850	360	1600	500	0.5	●		●				0001.2501
0.63	250	300	1)	650	330	1600	500	1.55	●		●				0001.2502
0.8	250	300	1)	500	260	1600	500	2.3	●		●				0001.2503
1	250	300	1)	350	180	2500	500	1.1	●		●	●	●	●	0001.2504
1.25	250	300	1)	300	150	2500	500	1.86	●		●	●	●	●	0001.2505
1.6	250	300	1)	200	130	2500	500	4.35	●		●	●	●	●	0001.2506
2	250	300	1)	190	120	2500	600	9.2	●		●	●	●	●	0001.2507
2.5	250	300	1)	180	100	2500	600	11.7	●		●	●	●	●	0001.2508
3.15	250	300	1)	140	100	4000	800	22	●		●	●	●	●	0001.2509
4	250	150	2)	100	90	4000	900	62.4	●		●	●	●	●	0001.2510
5	250	150	2)	100	90	4000	1200	97.5	●		●	●	●	●	0001.2511
6.3	250	150	2)	100	70	4000	1200	171	●		●	●	●	●	0001.2512
8	250	150	3)	100	70	4000	1300	268		●	●	●		●	0001.2513
10	250	150	3)	100	70	4000	2100	400		●	●	●			0001.2514
12.5	250	125	4)	100	70	4000	2500	563		●	●	●			0001.2515
16	250	125	4)	100	70	4000	3000	1500		●	●				0001.2516

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Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.5 I_n max.	Power Dissipation 1.5 I_n typ. [mW]	Melting I^2t 10.0 Intyp. [A^2s]	Order Number

1) IEC: H = 1500 A @ 250 VAC, p.f. = 0.7 - 0.8

1) UL: 10 kA @ 125 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 250 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 300 VDC

2) IEC: H = 1500 A @ 250 VAC, p.f. = 0.7 - 0.8

2) UL: 10 kA @ 125 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 250 VAC, p.f. = 0.7 - 0.8 / 1500 A @ 150 VDC

3) IEC: 1000 A @ 250 VAC

3) UL: 1000 A @ 250 VAC, 1500 A @ 150 VDC

4) IEC: 500 A @ 250 VAC

4) UL: 500 A @ 125 VAC, p.f. = 0.7 - 0.8 / 1000 A @ 125 VDC / 500 A @ 250 VAC / 1500 A @ 125 VDC

Packaging Unit	xxxx.xxxx	Small Box Pack (10 pcs.)
	xxxx.xxxx.G	Bulk 128 x 91 x 60 mm (1000 pcs.)

08.05.2017