Miniature Fuse, 5 x 20 mm, Quick-Acting F, H, 250 VAC



IEC 60127-2 · 250 VAC · Quick-Acting F

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

Standards
- IEC 60127-2/1
- UL 248-14
- CSA C22.2 no. 248.14

Approvals
- VDE Certificate Number: 40009397
- UL File Number: E41599

Applications
- Primary Protection in Equipment

References
Pigtail Type SP 5x20 Pigtail
Fuse Kit Fuse Kit FSF 5x20; Fuse Kit FST 5x20; Fuse Kit SP 5x20 / FST 5x20; Fuse Kit SP 5x20 / SPT 5x20

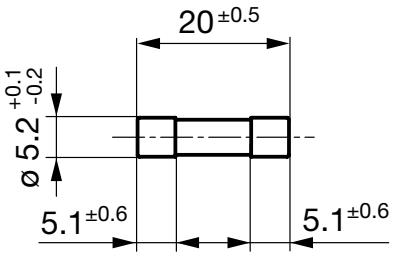
Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	250 VAC
Rated current	0.5 - 16 A
Breaking Capacity	500 A - 1500 A
Characteristic	Quick-Acting F
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	1.18 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Rated current, Rated voltage, Characteristic, Breaking Capacity, Approvals

Dimension

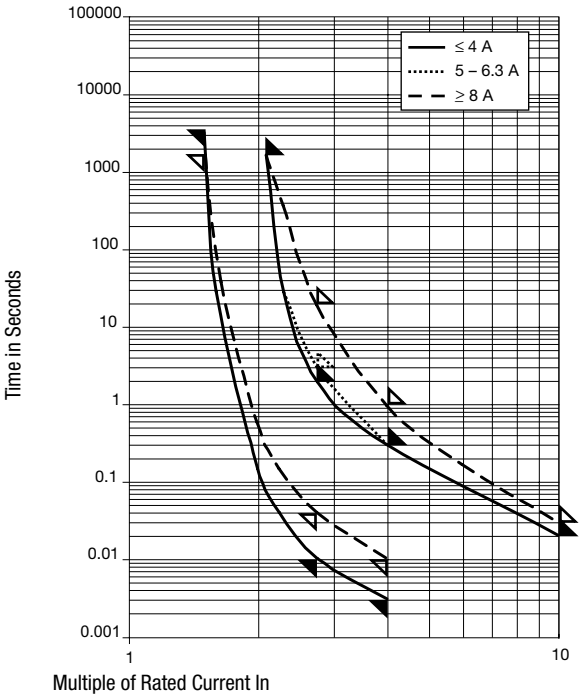
20 mm



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 max.
0.5 A - 4 A	60 min	30 min	10 ms	2 s	3 ms	300 ms	20 ms
5 A - 6.3 A	60 min	30 min	10 ms	3 s	3 ms	300 ms	20 ms
8 A - 10 A	30 min	30 min	40 ms	20 s	10 ms	1 s	30 ms
12.5 A - 16 A	15 min	30 min	40 ms	20 s	10 ms	1 s	30 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.5 I_n max. [mW]	Power Dissipation 1.5 I_n typ. [mW]	Melting I^2t 10.0 Intyp. [A^2s]	Order Number
0.5	250	1)	1800	830	2500	2400	0.098	0001.1001
0.63	250	1)	1500	800	2500	2400	0.207	0001.1002
0.8	250	1)	1200	580	2500	2400	0.469	0001.1003
1	250	1)	1000	600	2500	2500	0.75	0001.1004
1.25	250	1)	800	270	4000	1000	0.538	0001.1005
1.6	250	1)	600	350	4000	1600	0.755	0001.1006
2	250	1)	500	260	4000	1600	2	0001.1007
2.5	250	1)	400	260	4000	1900	3.28	0001.1008
3.15	250	1)	350	210	4000	1900	6.78	0001.1009
4	250	1)	300	200	4000	2400	12.6	0001.1010
5	250	1)	250	160	4000	2400	30.8	0001.1011
6.3	250	1)	200	150	4000	3200	36.7	0001.1012
8	250	1)	200	140	4000	3900	81.9	0001.1013
10	250	1)	200	130	4000	3000	141	0001.1014
12.5	250	2)	-	110	-	6900	203	0001.1015
16	250	2)	-	120	-	7400	461	0001.1016

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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

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

2) IEC: 1000 A @ 250 VAC

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

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

26.03.2015

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.