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Miniature Fuse, 5 x 20 mm, Quick-Acting F, 220 VAC



220 VAC · Quick-Acting F

See below:
Approvals and Compliances

Description

- Low Breaking Capacity

Weblinks

pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product

Technical Data

Rated Voltage	32 - 220 VAC
Rated current	0.02 - 10 A
Breaking Capacity	60 A - 300 A
Characteristic	Quick-Acting F
Mounting	Fuseholder / Clip
Admissible Ambient Air Temp.	-40 °C to 70 °C
Climatic Category	40/070/56 acc. to IEC 60068-1
Material: Tube	Glass
Material: Endcaps	Nickel-Plated Copper Alloy
Unit Weight	1.2 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	HA21, Rated current

Resistance to Vibration	acc. to IEC 60068-2-6, test Fc
Shocks	acc. to IEC 60068-2-27
Bumps	acc. to IEC 60068-2-29
Salt Mist	acc. to IEC 60068-2-11

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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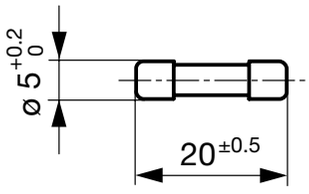
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
50	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

20 mm



Pre-Arcing Time

Rated Current In	1.15 x In min.	1.65 x In max.	3.0 x In max.
0.02 A - 10 A	60 min	60 min	200 ms

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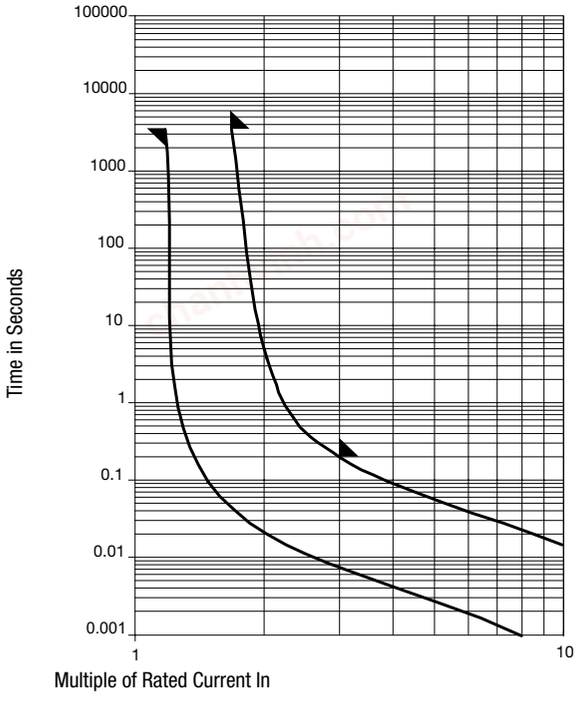
Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.15 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	Order Number	
0.02	220	1)	790	21	0.00027	7010.3110	
0.031	220	1)	1400	60	0.00029	7010.3120	
0.04	220	1)	2400	155	0.00017	7010.3130	
0.05	220	1)	3300	260	0.00017	7010.3140	
0.063	220	1)	2250	220	0.00046	7010.3150	
0.08	220	1)	1750	215	0.0012	7010.3160	
0.1	220	1)	1200	175	0.003	7010.3210	
0.125	220	1)	1550	295	0.0037	7010.3220	
0.16	220	1)	1300	320	0.0076	7010.3230	
0.2	220	1)	1200	375	0.012	7010.3240	
0.25	220	1)	1000	400	0.025	7010.3250	■
0.31	220	1)	475	225	0.018	7010.3260	
0.4	220	1)	310	185	0.054	7010.3270	
0.5	220	1)	285	215	0.096	7010.3280	■
0.63	220	1)	310	300	0.14	7010.3290	
0.8	220	1)	270	335	0.3	7010.3310	■
1	220	1)	150	215	0.81	7010.3410	■
1.25	220	1)	325	660	0.47	7010.3420	■
1.6	125	2)	300	790	0.93	7010.3430	■
2	125	2)	185	560	1.9	7010.3440	■
2.5	125	2)	285	1250	2.5	7010.3450	■
3.15	125	2)	145	670	7.1	7010.3460	■
4	125	2)	165	1050	10	7010.3470	■
5	125	2)	165	1300	18	7010.3480	■
6.3	125	2)	130	1200	41	7010.3510	■
8	32	3)	120	1400	79	7010.3520	
10	32	3)	120	1750	145	7010.3530	■

■ Most Popular.

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Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.15 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	Order Number

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

1) 60 A @ 220 VAC , cos φ = 0.6 - 0.8

2) 300 A @ 125 VAC , cos φ ≥ 0.95 / internal tests: 60 A @ 220 VAC

3) 300 A @ 32 VAC , cos φ ≥ 0.95

Packaging Unit Small Box Pack (10 pcs.)

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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.