

Miniature Fuse, 5 x 20 mm, Super-Time-Lag TT, NF, 220 VAC



NF C 93-435 · 220 VAC · Super-Time-Lag TT

Approvals and Compliances

Description

- Low Breaking Capacity

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	32 - 220VAC
Rated current	0.031 - 15 A
Breaking Capacity	40 A - 100 A
Characteristic	Super-Time-Lag TT
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	1.4 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Type, HA20, Rated current, Characteristic

Resistance to Vibration	acc. to NF C 20-706 / IEC 60068-2-6, test Fc
Shocks	acc. to NF C 20-706 / IEC 60068-2-27
Salt Mist	acc. to NF C 20-711 / 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](#)

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: D1 TD

Approval Logo	Certificates	Certification Body	Description
	UL Approvals	UL	UL File Number: E42088
	LCIE Approvals	LCIE	Norme française

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses





Application standards

Application standards where the product can be used

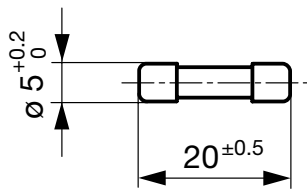
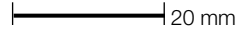
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	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.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	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	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.

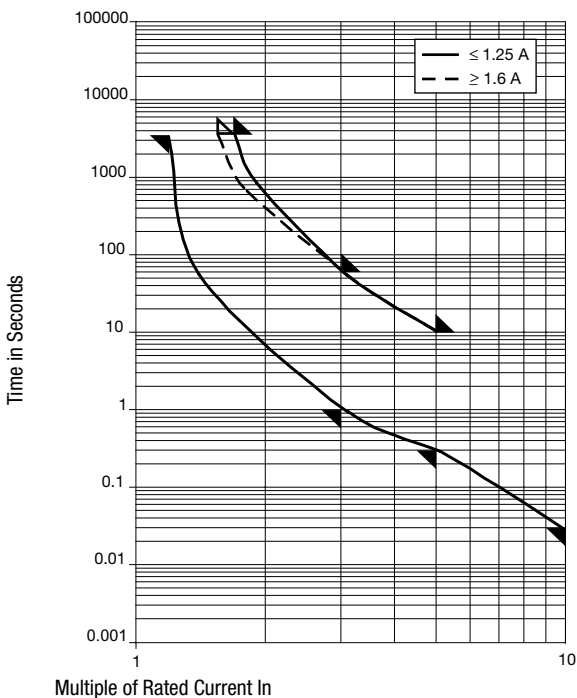
Dimension [mm]







Pre-Arcing Time

Rated Current I _n	1.1 x I _n min.	2.0 x I _n max.	2.1 x I _n max.	3.0 x I _n min.	3.0 x I _n max.	5.0 x I _n min.	5.0 x I _n max.	10.0 x I _n min.
0.031 A - 1.25 A	-	10 min	-	1 s	60 s	300 ms	10 s	30 ms
1.6 A - 15 A	-	-	10 min	1 s	60 s	300 ms	10 s	30 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.1 I _n typ. [mW]	Melting I ² t 10.0 Intyp. [A ² s]	   	Order Number
0.031	220	1)	3850	145	0.079	●	7030.3110
0.04	220	1)	3150	155	0.2	●	7030.3120
0.05	220	1)	2600	160	0.22	● ●	7030.3130
0.063	220	1)	2000	155	0.35	● ●	7030.3140
0.08	220	1)	1850	180	0.26	● ●	7030.3150
0.1	220	1)	1600	190	0.028	● ●	7030.3210
0.16	220	2)	745	150	0.2	● ●	7030.3230
0.2	220	2)	715	180	0.39	● ●	7030.3240
0.25	220	2)	480	150	0.4	● ●	7030.3250
0.31	220	2)	870	340	0.21	● ●	7030.3260
0.4	220	2)	665	340	0.64	● ●	7030.3270
0.5	220	2)	555	360	1	● ●	7030.3280
0.63	220	2)	460	370	1.6	● ●	7030.3290
0.8	220	2)	365	370	4.2	● ●	7030.3310
1	220	2)	295	365	9	● ●	7030.3320
1.25	220	2)	300	465	7.1	● ●	7030.3330
1.6	125	3)	280	535	22	● ●	7040.3110
2	125	3)	245	595	43	● ●	7040.3120
2.5	125	3)	210	630	128	● ●	7040.3130
3.15	125	3)	160	615	370	● ●	7040.3140
4	125	4)	165	790	260	● ●	7040.3150
5	125	4)	175	1100	440	● ●	7040.3160
6.3	125	4)	105	775	800	● ●	7040.3170
8	125	5)	105	1000	1400	●	7040.3180
10	125	5)	90	1050	2200	●	7040.3190
12.5	32	6)	55	795	890		7040.3200
15	32	6)	45	745	3400		7040.3210

Most Popular.

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

- 1) NF: 60 A @ 220 VAC , p.f. = 1.0
- 1) UL: 4000 A @ 125 VAC , p.f. ≥ 0.9 / 4000 A @ 125 VDC , L/R = 5 ms
- 2) NF: 60 A @ 220 VAC , p.f. = 1.0
- 2) UL: 50 A @ 125 VAC , p.f. = 1.0 / 50 A @ 125 VDC , L/R = 5 ms
- 3) NF: 40 A @ 125 VAC , p.f. = 0.7 - 0.8
- 3) UL: 100 A @ 125 VAC , p.f. ≥ 0.9
- 4) NF: 40 A @ 125 VAC , p.f. = 0.7 - 0.8
- 4) UL: 50 A @ 125 VAC , p.f. ≥ 0.9
- 5) UL: 50 @ 125 VAC , p.f. ≥ 0.9
- 6) 100 A @ 32 VAC , p.f. ≥ 0.9

Packaging Unit Small Box Pack (10 pcs.)