

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



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



Description

- Low Breaking Capacity

Standards

- UL 248-14
- NF C 93-435 - Model HA20
- Contrôle de Conformité de Qualité (CCQ)

Approvals

- UL File Number: E42088

Weblinks

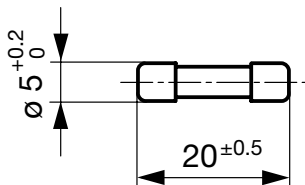
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

| | |
|------------------------------|---|
| Rated Voltage | 32 - 220 VAC |
| 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 |

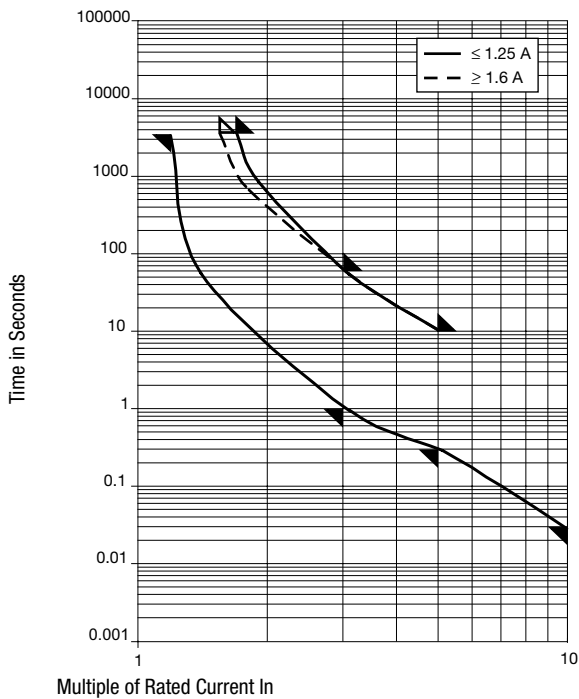
Dimension








Pre-Arcing Time



| Rated Current In | 1.1 x In min. | 2.0 x In max. | 2.1 x In max. | 3.0 x In min. | 3.0 x In max. | 5.0 x In min. | 5.0 x In max. | 10.0 x In 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 I _n 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 |
| 0.125 | 220 | 1) | 2000 | 300 | 0.61 | ● | ● | 7030.3220 |
| 0.16 | 220 | 1) | 745 | 150 | 0.2 | ● | ● | 7030.3230 |
| 0.2 | 220 | 1) | 715 | 180 | 0.39 | ● | ● | 7030.3240 |
| 0.25 | 220 | 1) | 480 | 150 | 0.4 | ● | ● | 7030.3250 |
| 0.31 | 220 | 1) | 870 | 340 | 0.21 | ● | ● | 7030.3260 |
| 0.4 | 220 | 1) | 665 | 340 | 0.64 | ● | ● | 7030.3270 |
| 0.5 | 220 | 1) | 555 | 360 | 1 | ● | ● | 7030.3280 |
| 0.63 | 220 | 1) | 460 | 370 | 1.6 | ● | ● | 7030.3290 |
| 0.8 | 220 | 1) | 365 | 370 | 4.2 | ● | ● | 7030.3310 |
| 1 | 220 | 1) | 295 | 365 | 9 | ● | ● | 7030.3320 |
| 1.25 | 220 | 1) | 300 | 465 | 7.1 | ● | ● | 7030.3330 |
| 1.6 | 125 | 2) | 280 | 535 | 22 | ● | ● | 7040.3110 |
| 2 | 125 | 2) | 245 | 595 | 43 | ● | ● | 7040.3120 |
| 2.5 | 125 | 2) | 210 | 630 | 128 | ● | ● | 7040.3130 |
| 3.15 | 125 | 2) | 160 | 615 | 370 | ● | ● | 7040.3140 |
| 4 | 125 | 3) | 165 | 790 | 260 | ● | ● | 7040.3150 |
| 5 | 125 | 3) | 175 | 1100 | 440 | ● | ● | 7040.3160 |
| 6.3 | 125 | 3) | 105 | 775 | 800 | ● | ● | 7040.3170 |
| 8 | 125 | 4) | 105 | 1000 | 1400 | ● | ● | 7040.3180 |
| 10 | 125 | 4) | 90 | 1050 | 2200 | ● | ● | 7040.3190 |
| 12.5 | 32 | 5) | 55 | 795 | 890 | ● | ● | 7040.3200 |
| 15 | 32 | 5) | 45 | 745 | 3400 | ● | ● | 7040.3210 |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 I _n typ. [mV] | Power Dissipation 1.1 I _n typ. [mW] | Melting I ^{2t} 10.0 Intyp. [A ² s] |   | GAM T1 NNO | Order Number |
|-------------------|---------------------|-------------------|---|--|--|---|------------|--------------|
|-------------------|---------------------|-------------------|---|--|--|---|------------|--------------|

Most Popular.

Availability for all products can be searched real-time: <http://www.schurter.com/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: 40 A @ 125 VAC , p.f. = 0.7 - 0.8
- 2) UL: 100 A @ 125 VAC , p.f. ≥ 0.9
- 3) NF: 40 A @ 125 VAC , p.f. = 0.7 - 0.8
- 3) UL: 50 A @ 125 VAC , p.f. ≥ 0.9
- 4) UL: 50 @ 125 VAC , p.f. ≥ 0.9
- 5) 100 A @ 32 VAC , p.f. ≥ 0.9

Packaging Unit Small Box Pack (10 pcs.)