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



## NF C 93-435 · 220 VAC · Quick-Acting F

### Description
- Low Breaking Capacity

### Standards
- NF C 93-435 - Model HA21
- Contrôle de Conformité de Qualité (CCQ)

### 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

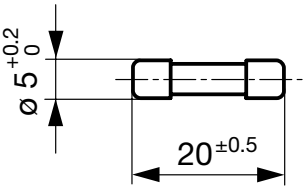
### Technical Data

| | |
|---|---|
| Rated Voltage | 32 - 220 VAC |
| Rated current | 0.02 - 20 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 NF C 20-706 / IEC 60068-2-6, test Fc |
| Shocks | acc. to NF C 20-706 / IEC 60068-2-27 |
| Bumps | acc. to NF C 20-729 / IEC 60068-2-29 |
| Salt Mist | acc. to NF C 20-711 / IEC 60068-2-11 |

### Dimension

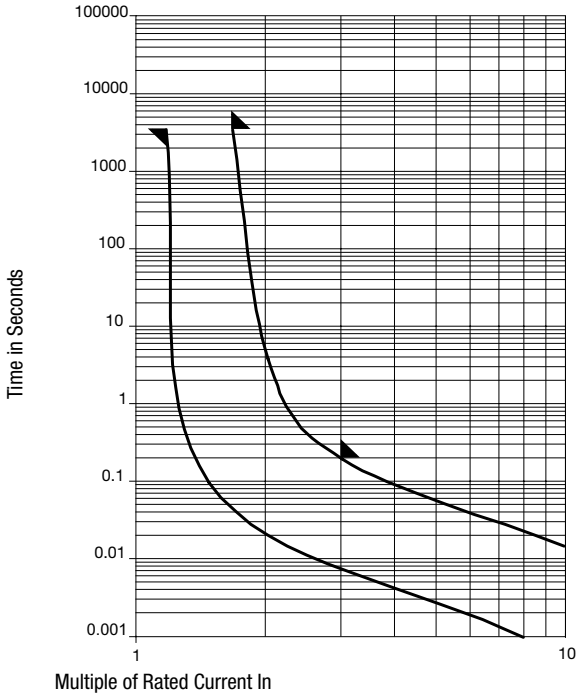



### Pre-Arcing Time

| Rated Current In | 1.15 x In min. | 1.65 x In max. | 3.0 x In max. |
|---|---|---|---|
| 0.02 A - 6.3 A | 60 min | 60 min | 200 ms |

## Time-Current-Curves




## All Variants

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.15 $I_n$ typ. [mW] | Melting $I^2t$ 10.0 Intyp. [$A^2s$] | NF | GAM T1 | NNO | 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 |
| 12.5 | 32 | 3) | 115 | 2000 | 300 | | | ● | 7010.3620 |
| 15 | 32 | 3) | 125 | 2750 | 460 | | | ● | 7010.3630 |

| Rated Current [A] | Rated Voltage [VAC] | Breaking Capacity | Voltage Drop 1.0 In typ. [mV] | Power Dissipation 1.15 $I_n$ typ. [mW] | Melting $I^2t$ 10.0 Intyp. [$A^2s$] | NF GAM T1 NNO | Order Number |
|---|---|---|---|---|---|---|---|
| 20 | 32 | 3) | 95 | 2600 | 1800 | ● | 7010.3650 |

Most Popular.

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

1) 60 A @ 220 VAC , p.f. = 0.6 - 0.8

2) 300 A @ 125 VAC , p.f. ≥ 0.95 / Schurter: 60 A @ 220 VAC

3) 300 A @ 32 VAC , p.f. ≥ 0.95

**Packaging Unit** Small Box Pack (10 pcs.)

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