



Part Number: **0218004P**

Technology: **Fuses**

Series: **218**

**218 Series - 5x20mm Time Lag Glass Body Cartridge Fuse
Designed to IEC Specification**

- Time-delay protection of electronic equipment and appliances when fuses to International Standards are required.
- Replacement fuses for foreign equipment.

Electrical Characteristics

| Property | Value |
|-----------------------------|--------------|
| Amp Rating (A) | 4 |
| Form Factor | 5x20mm |
| Fuse Class | Supplemental |
| I^2t (A ² Sec) | 69.087997 |
| Opening Characteristic | Time Lag |
| Resistance (Ohms) | 0.013 |
| Voltage Rating (V) | 250 |

Axial Lead and Cartridge Fuses

Designed to IEC Standard

RoHS **Pb** **5 x 20 mm** Time Lag Fuse (Slo-Blo®) Fuse 218P Series

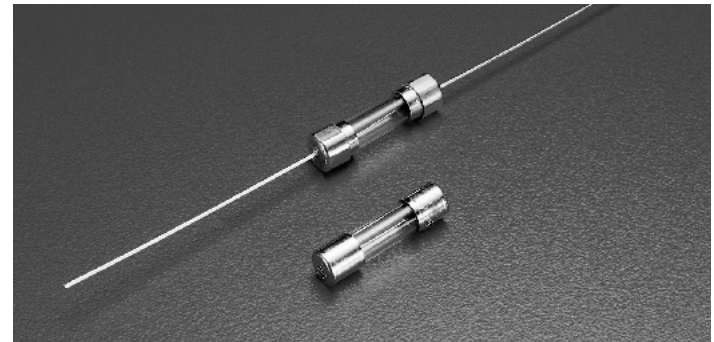


- Designed to International (IEC) Standards for use globally.
- Meets the IEC 60127-2, Sheet 3 specification for Time Lag Fuses.
- Available in Cartridge and Axial Lead Form.
- Available in ratings of 0.032 to 15 amperes.
- RoHS compliant and Lead-Free

ELECTRICAL CHARACTERISTICS (218 Series):

| % of Ampere Rating | Ampere Rating | Opening Time |
|--------------------|---------------|---|
| 150% | .032–6.3 | 60 minutes, Minimum |
| | 8 - 15 | 30 minutes, Minimum |
| 210% | .032–15 | 2 minutes, Maximum |
| 275% | .032–.100 | 0.2 sec., Min. ; 10 sec. Max. |
| | .125–15 | 0.6 sec., Min. ; 10 sec. Max. |
| 400% | .032–.100 | .04 sec., Min. ; 3 sec. Max. |
| | .125–15 | .15 sec., Min. ; 3 sec. Max. |
| 1000% | .032–.100 | .01 sec., Min. ; 0.3 sec. Max. |
| | .125–15 | 0.02 sec., Min. ; 0.3 sec. Max. |

INTERRUPTING RATINGS: 35 amperes or 10 x rated current; (whichever is greater) to a maximum 100A @ 250 VAC, unity power factor.



ENVIRONMENTAL SPECIFICATIONS:

Operating temperature: -55°C to 125°C

Thermal Shock: MIL-STD-202F Method 107G, Test Condition B: (5 cycles -65°C to +125°C)

Vibration: MIL-STD-202F Method 201A

Humidity: MIL-STD-202F Method 103B, Test Condition A. high relative humidity (95%) and elevated temperature (40°C) for 240 hours.

Salt Spray: MIL-STD-202F Method 101D, Test Condition B

PHYSICAL SPECIFICATIONS:

Material: Body: Glass

Cap: Nickel Plated Brass

Leads: Tin Plated Copper

Terminal Strength: MIL-STD-202F Method 211A, Test Condition A

Solderability: Reference IEC 60127 Second Edition 2003-01 Annex A

Terminal strength: MIL-STD-202F Method 211A, Test Condition A

Product Marking: Cap 1: current and voltage rating.
Cap 2: Agency approval markings.

Packaging: Available in Bulk (V=5, H=100, M=1000 pcs/pkg) or on Tape/Reel (MRET1=1000 pcs/reel).

ORDERING INFORMATION:

| Cartridge Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I ² t A ² Sec. |
|--------------------------|---------------|----------------|------------------------------|--|
| 218.032P | .032 | 250 | 58.45 | 0.00297 |
| 218.040P | .040 | 250 | 35.70 | 0.00536 |
| 218.050P | .050 | 250 | 23.30 | 0.00691 |
| 218.063P | .063 | 250 | 17.65 | 0.01169 |
| 218.080P | .080 | 250 | 12.6 | 0.0258 |
| 218.100P | .100 | 250 | 8.905 | 0.0482 |
| 218.125P | .125 | 250 | 4.200 | 0.146 |
| 218.160P | .160 | 250 | 2.55 | 0.219 |
| 218.200P | .200 | 250 | 1.60 | 0.341 |
| 218.250P | .250 | 250 | 1.05 | 0.540 |
| 218.315P | .315 | 250 | 0.848 | 1.110 |
| 218.400P | .400 | 250 | 0.535 | 1.324 |
| 218.500P | .500 | 250 | 0.370 | 2.824 |
| 218.630P | .630 | 250 | 0.275 | 4.674 |
| 218.800P | .800 | 250 | 0.081 | 3.37 |
| 218 001.P | 1 | 250 | 0.061 | 6.73 |
| 218 1.25P | 1.25 | 250 | 0.045 | 12.62 |
| 218 01.6P | 1.6 | 250 | 0.034 | 23.224 |
| 218 002.P | 2 | 250 | 0.029 | 14.412 |
| 218 02.5P | 2.5 | 250 | 0.022 | 23.224 |
| 218 3.15P | 3.15 | 250 | 0.017 | 38.171 |
| 218 004.P | 4 | 250 | 0.013 | 69.088 |
| 218 005.P | 5 | 250 | 0.010 | 111.008 |
| 218 06.3P | 6.3 | 250 | 0.0076 | 198.645 |
| 218 008.P | 8 | 250 | 0.0059 | 341.299 |
| 218 010.P | 10 | 250 | 0.0045 | 567.696 |
| 218 015.P | 15 | 250 | 0.0030 | 1403.661 |

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AXIAL LEAD AND CARTRIDGE FUSES

Axial Lead and Cartridge Fuses

Designed to IEC Standard

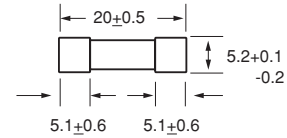
RoHS
Pb
5 x 20 mm
Time Lag Fuse (Slo-Blo®) Fuse 218P Series

Agency Approvals

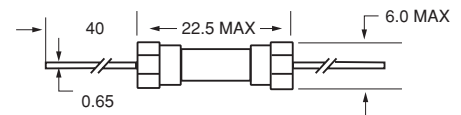
| Agency Approvals | | Ampere Range |
|------------------|---|---|
| | Certificate No. Cartridge NBK120802-E10480 A&C Leaded NBK120802-E10480 B&D | 1A – 15A |
| | Certificate No. 2002010207007596 2002010207145715 | 32 – 630mA, 2-6.3A 800mA – 1.6A |
| | Certificate No. SU05001-3005 SU05001-2008 SU05001-2009 | 32mA – 40mA 50mA – 800mA 1A – 10A |
| | Recognised File No. E10480 Guide No. JDYX2 | 32mA – 15A |
| | File No. 029862 Acc. Class No. LR1422-30 | 32mA – 15A |
| | Licence No. KM41462 | 80mA – 6.3A |
| | File No. 304650 9850004 416270 312377 501899 9843043 | 32mA-63mA 80mA, 100mA 125mA-250mA 315mA-630mA 800mA-1.6A 2A-6.3A |
| | Licence No. 40013496 | 32mA – 5A |
| | Licence No. 40016604 | 6.3 – 10A* 15A* |
| | | 32mA – 15A |

*Approval for cartridge versions only

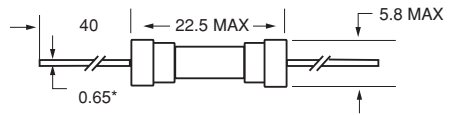
0218 000P



0218.032 XEP
to
0218.100XEP



0218.125 XEP
to
0218015. XEP



All dimensions in mm

Notes:
* Ratings above 6.3A
have 0.8 mm dia lead

Average Time Current Curves

