

# Axial Lead and Cartridge Fuses

Designed to IEC Standard

## 5 x 20 mm Time Lag Fuse (Slo-Blo® Fuse) 215 Series



- Designed to International (IEC) Standards for use globally.
- Meets the IEC 60127-2, Sheet 5 specification for Time Lag Fuses.
- Available in Cartridge and Axial Lead Form.
- Available in ratings of .2 to 12 amperes.
- High breaking capacity.

### ELECTRICAL CHARACTERISTICS:

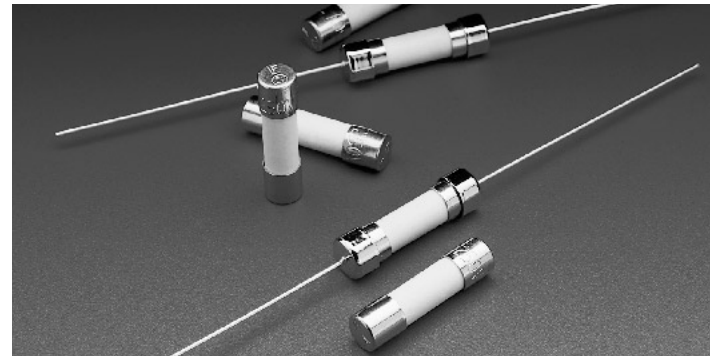
| % of Ampere Rating | Ampere Rating | Opening Time                                   |
|--------------------|---------------|------------------------------------------------|
| 150%               | .1-6.3        | 60 minutes, <b>Minimum</b>                     |
|                    | 8-12          | 30 minutes, <b>Minimum</b>                     |
| 210%               | .1-12         | 30 minutes, <b>Maximum</b>                     |
| 275%               | .1-.8         | .25 sec., <b>Min.</b> ; 80 sec. <b>Max.</b>    |
|                    | 1-12          | .75 sec., <b>Min.</b> ; 80 sec. <b>Max.</b>    |
| 400%               | .1-.8         | .05 sec., <b>Min.</b> ; 5 sec. <b>Max.</b>     |
|                    | 1-3.15        | .095 sec., <b>Min.</b> ; 5 sec. <b>Max.</b>    |
|                    | 4-6.3         | .150 sec., <b>Min.</b> ; 5 sec. <b>Max.</b>    |
| 1000%              | .1-.8         | .005 sec., <b>Min.</b> ; .15 sec., <b>Max.</b> |
|                    | 1-12          | .010 sec., <b>Min.</b> ; .15 sec., <b>Max.</b> |

### INTERRUPTING RATING:

1500 amperes @ 250VAC, 0.7-0.8 power factor.

### ORDERING INFORMATION:

| Cartridge Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec. |
|--------------------------|---------------|----------------|------------------------------|------------------------------------------------------|
| 215 .200                 | .200*         | 250            | 1.840                        | 0.341                                                |
| 215 .250                 | .250*         | 250            | 1.240                        | 0.545                                                |
| 215 .315                 | .315*         | 250            | 0.880                        | 0.974                                                |
| 215 .400                 | .400*         | 250            | 0.583                        | 1.324                                                |
| 215 .500                 | .500*         | 250            | 1.168                        | 0.424                                                |
| 215 .630                 | .630*         | 250            | 0.720                        | 0.633                                                |
| 215 .800                 | .800*         | 250            | 0.468                        | 0.974                                                |
| 215 001.                 | 1             | 250            | 0.111                        | 1.022                                                |
| 215 1.25                 | 1.25          | 250            | 0.081                        | 1.996                                                |
| 215 01.6                 | 1.6           | 250            | 0.056                        | 3.798                                                |
| 215 002.                 | 2             | 250            | 0.041                        | 6.768                                                |
| 215 02.5                 | 2.5           | 250            | 0.031                        | 10.370                                               |
| 215 3.15                 | 3.15          | 250            | 0.022                        | 20.644                                               |
| 215 004.                 | 4             | 250            | 0.019                        | 37.684                                               |
| 215 005.                 | 5             | 250            | 0.015                        | 80.675                                               |
| 215 06.3                 | 6.3           | 250            | 0.011                        | 129.022                                              |
| 215 008.                 | 8*            | 250            | 0.009                        | 204.001                                              |
| 215 010.                 | 10*           | 250            | 0.007                        | 351.037                                              |
| 215 012.                 | 12*           | 250            | 0.006                        | 515.500                                              |



### 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: Ceramic  
Cap: Nickel Plated Brass  
Leads: Tin Plated Copper  
Filler: Sand (500mA – 12A)

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

**Solderability:** Reference IEC 60127 Second Edition 2003-01 Annex 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).

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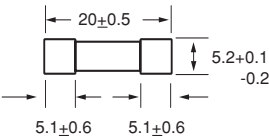
## 5 x 20 mm Time Lag Fuse (Slo-Blo®) Fuse 215 Series



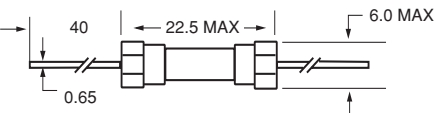
### Agency Approvals

| Agency Approvals                                                                    |                     | Ampere Range             |
|-------------------------------------------------------------------------------------|---------------------|--------------------------|
|    | Certificate No.     | Cartridge                |
|                                                                                     |                     | NBK250702-E10480 A & C   |
|                                                                                     |                     | NBK250702-E10480 E       |
|                                                                                     |                     | Leaded                   |
|    | Certificate No.     | 2002010207007593         |
|                                                                                     |                     | 1A – 6.3A                |
|    | Certificate No.     | SU05001-2011             |
|                                                                                     |                     | SU05001-2012             |
|    | Recognised File No. | E10480                   |
|                                                                                     | Guide No.           | JDYX2                    |
|    | File No.            | 029862                   |
|                                                                                     | Acc. Class No.      | LR1422-30                |
|   | Licence No.         | KM41462                  |
|                                                                                     |                     | 200mA – 6.3A             |
|  | File No.            | 403906, 0212085, 0147100 |
|                                                                                     |                     | 200mA – 10A              |
|  |                     |                          |
|                                                                                     |                     | 200mA – 12A              |

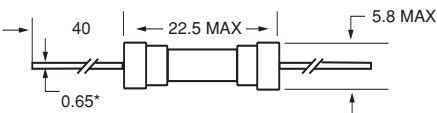
0215 000



0215.200 XE  
to  
0215.800 XE



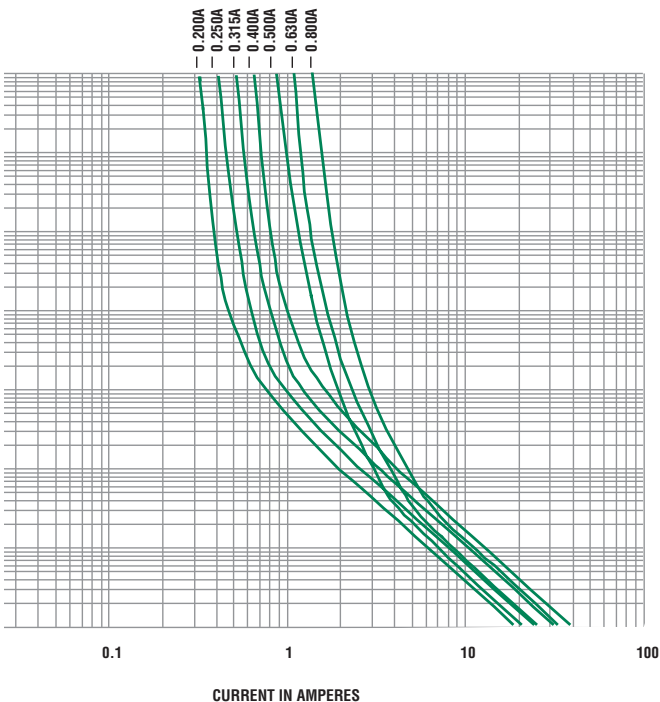
0215001.XE  
to  
0215012.XE



All dimensions in mm

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

### Average Time Current Curves



# Mouser Electronics

Authorized Distributor

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## Littelfuse:

[215010XE](#) [215.200XP](#) [215008XE](#) [21506.3XE](#) [0215.250MXP](#) [0215.315MXEP](#) [0215.315HXP](#) [0215.315MXP](#)  
[0215.630MXEP](#) [0215.250HXP](#) [0215.200MXP](#) [215.315XP](#) [0215.400HXP](#) [0215.200HXP](#) [0215.500HXP](#)  
[0215.800HXP](#) [0215.400MXEP](#) [0215010.MXEP](#) [0215012.MXP](#) [0215.250MXEP](#) [0215010.HXP](#) [0215.630MXP](#)  
[21502.5XP](#) [215005.XP](#) [21506.3XEP](#) [0215.125MRET1P](#) [0215.125MXP](#) [0215.160MXP](#) [0215.315MRET1P](#)  
[0215.400MRET1P](#) [0215.500MRET1P](#) [02153.15MRET3-](#) [0215.800MRET1P](#) [0215010.MRET1P](#) [215.800T1P](#)  
[215010.XEP](#) [0215.800MXP](#) [0215008.MXEP](#) [0215.400MXP](#) [021506.3M-](#) [0215.800MXEP](#) [0215010.M-](#) [0215008.HXP](#)  
[0215.200MXEP](#) [0215012.MXEP](#) [0215.500MXP](#) [0215010.MXP](#) [0215.630HXP](#) [0215004.MXE-](#) [0215.500MXEP](#)  
[215.250XEP](#) [0215.500MRGT1P](#) [0215.630MRGT1P](#) [0215.200MRGT1P](#) [0215.800MRGT1P](#) [0215.400MRGT1P](#)  
[0215.125MXEP](#) [0215.160MXEP](#)