

Axial Lead and Cartridge Fuses

Designed to UL/CSA Standards



5 x 20 mm Medium-Acting Fuse 233 Series



- Designed to UL/ CSA/ANCE 248 Standard.
- Available in Cartridge, Axial and Radial Lead Format.
- Available in ratings of 1A to 10A.
- RoHS compliant and Lead-Free version available, add XP suffix to standard catalog number

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Ampere Rating	Opening Time
100%	1–3.5	4 hours, Minimum
	4–10	1 hour, Minimum
135%	1–10	3 sec., Min. ; 1 hour Max.
200%	1–10	0.4 sec., Min. ; 4 sec., Max.

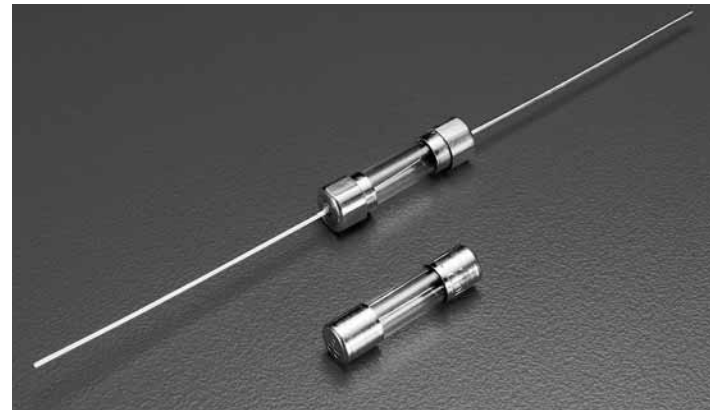
INTERRUPTING RATING:

10,000 amperes at 125 VAC, 0.7-0.8 power factor

ORDERING INFORMATION:

RoHS compliant and Lead-Free version available, add XP suffix to standard catalog number

Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance Cold Ohms	Nominal Melting I ² t A ² Sec
0233 001	1	125	0.18	2.03
0233 1.25	1.25	125	0.13	3.48
0233 01.6	1.6	125	0.088	6.31
0233 002.	2	125	0.068	10.2
0233 02.5	2.5	125	0.052	17.5
0233 003.	3	125	0.043	27.0
0233 3.15	3.15	125	0.038	30.6
0233 03.5	3.5	125	0.034	37.3
0233 004.	4	125	0.032	53.0
0233 005.	5	125	0.022	92.4
0233 006.	6	125	0.018	135
0233 06.3	6.3	125	0.017	156



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

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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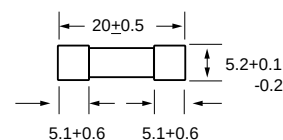
RoHS **Pb** **5 x 20 mm** Medium-Acting Fuse 233 Series



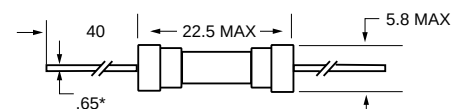
Agency Approvals

Agency Approvals		Ampere Range
	Certificate No.	Cartridge
		NBK280602-E10480 C
		NBK290502-E10480 I
		Leaded
	Certificate No.	SU05001-2010
	Listed File No.	E10480
	Guide No.	JDYX
	File No.	029862
	Cert. Class No.	LR1422-01
		

0233 000¹



0233000XE²

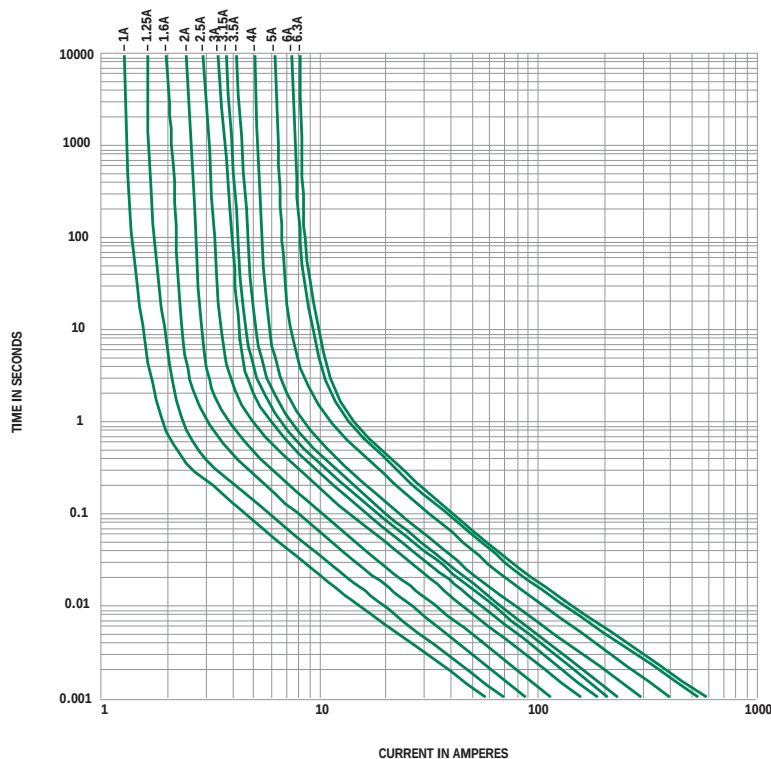


All dimensions in mm

Notes:

- * Ratings above 6.3A have 0.8 mm dia lead
- 1 For RoHS compliant parts add suffix 'XP'
- 2 For RoHS compliant parts add suffix 'P'

Average Time Current Curves



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AXIAL LEAD AND
CARTRIDGE FUSES

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

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[0233006.M-](#) [0233001.M-](#) [023301.6M-](#) [023302.5MXE-](#) [023301.6MXE-](#) [02331.25M-](#) [0233003.XP](#) [0233004.XP](#)
[233003](#) [233004](#) [0233003.M-](#) [023306.3M-](#) [023303.5M-](#) [023306.3MXE-](#) [023302.5M-](#) [023303.5MXE-](#) [0233001.MXE-](#)
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