

Axial Lead and Cartridge Fuses

Designed to UL/CSA Standards

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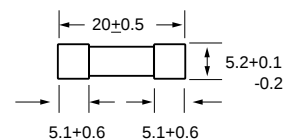
RoHS **Pb** **5 x 20 mm** Medium-Acting Fuse 233 Series



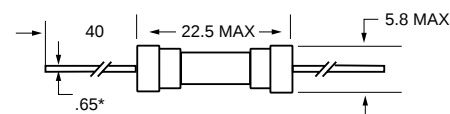
Agency Approvals

Agency Approvals		Ampere Range
	Certificate No. Cartridge	
	NBK280602-E10480 C	1A – 5A 125V 10000A
	NBK290502-E10480 I	6A & 6.3A 125V 500A
	Leaded	
	NBK280602-E10480 D	1A – 5A 125V 10000A
	NBK290502-E10480 J	6A & 6.3A 125V 500A
	Certificate No. SU05001-2010	1A – 6.3A
	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

