

Axial Lead and Cartridge Fuses

Designed to UL/CSA Standards



5 x 20 mm

Time Lag Fuse (Slo-Blo®) Fuse 239 Series



- Designed to UL/CSA/ANCE 248 Standard.
- Available in Cartridge and Axial Lead Format.
- Available in ratings of 0.200 to 7 amperes.
- RoHS compliant and Lead-Free version available, add XP suffix to standard catalog number

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
135%	1 hour, Maximum
200%	5 seconds, Min. ; 2 min., Max.

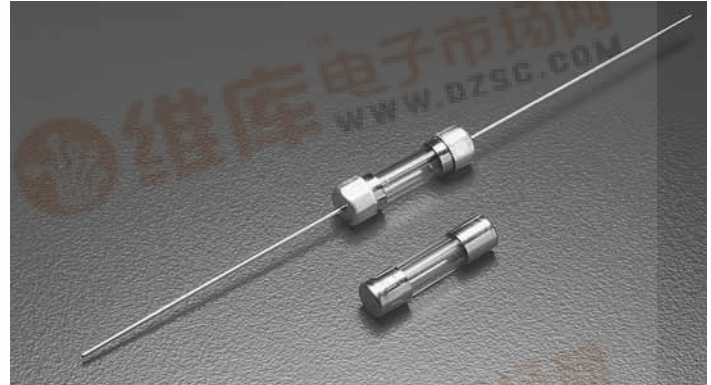
INTERRUPTING RATING:

0.20-1A	10,000 amperes at 125 VAC, 0.7-0.8 power factor 35 amperes at 250 VAC, 0.7-0.8 power factor
1.25A-3.15A	10,000 amperes at 125 VAC, 0.7-0.8 power factor 100 amperes at 250 VAC, 0.7-0.8 power factor
4A-7A	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.
239.200	.200	250	3.90	0.170
239.250	.250	250	3.00	0.3508
239.300	.300	250	2.25	0.630
239.400	.400	250	1.46	1.53
239.500	.500	250	0.865	2.04
239.600	.600	250	0.688	2.48
239.700	.700	250	0.550	4.23
239.750	.750	250	0.453	5.57
239.800	.800	250	0.403	7.77
239 001	1	250	0.313	11.60
239 1.25	1.25	250	0.200	20.05
239 01.6	1.60	250	0.122	31.25
239 002	2	250	0.0975	51.95
239 02.5	2.50	250	0.053	81.85
239 003	3	250	0.0480	133.0
239 3.15	3.15	250	0.0425	131.5
239 004	4	125	0.0313	278.0
239 005	5	125	0.0208	311.0
239 007	7	125	0.0114	314.0



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.

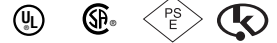
Cap 2: Agency approval markings.

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

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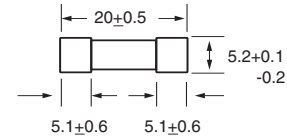
RoHS **Pb** **5 x 20 mm** Time Lag Fuse (Slo-Blo® Fuse) 239 Series



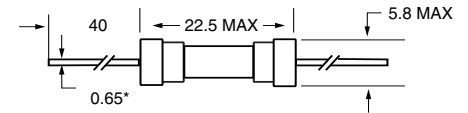
Agency Approvals

Agency Approvals		Ampere Range	
	Certificate No.	Cartridge	
		NBK290502-E10480 G	1A – 3A 250V 100A
		NBK280602-E10480 C	4A & 5A 125V 10000A
		NBK290502-E10480 I	7A 125V 500A
		Leaded	
	Certificate No.	SU05001-2004	200mA – 3.15A
		SU05001-2014	4A – 7A
	Listed File No.	E10480	
	Guide No.	JDYX	
	File No.	029862	
	Cert. Class No.	LR1422-01	
			200mA – 7A

0239 000¹



0239 000XE²



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

