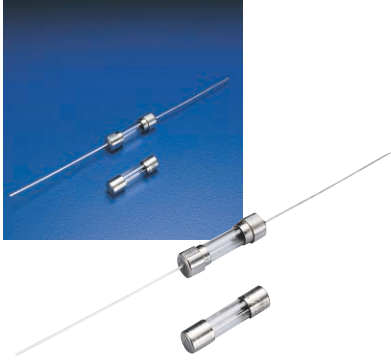


UL/CSA Standard Axial Lead and Cartridge Fuses 5 x 20mm Series



Features

5 x 20mm Medium-Acting Fuses
233 Series, Fast-Acting 235 Series,
and Time Lag Fuses 239 Series:

- Designed to UL/CSA/ANCE 248 standard
- Available in cartridge and axial lead format
- Available in ratings of 0.200 to 5A

Specifications

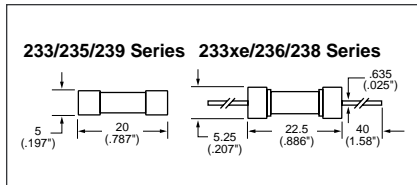
Approvals:

- (233 Series)
MITI approved
- (235 Series)
MITI approved from 1A to 5A
- (239 Series)
MITI approved from 1A to 5A
Patented
UL Recognized/CSA Certified

Electrical Characteristics

	% of Ampere Rating	233/233xe Series Opening Time Minimum / Maximum	235/236 Series Opening Time Minimum / Maximum	238/239 Series Opening Time Minimum / Maximum
1 to 3.5A	110	4 hrs. / —	4 hrs. / —	4 hrs. / —
	135	— / 1 hr.	— / 1 hr.	— / 1 hr.
	200	— / 3 sec.	— / 1 sec.	5 sec. / —
4 to 6.3A	110	1 hr. / —	4 hrs. / —	4 hrs. / —
	135	— / 1 hr.	— / 1 hr.	— / 1 hr.
	200	— / 3 sec.	— / 1 sec.	5 sec. / —

Dimensions



Ordering Information

Ampere Rating	233/233xe Series (Medium-Acting)		235/236 Series (Fast-Acting)		238/239 Series (Time Lag)	
	Catalog Number	Nominal Melting I ² t (A ² Sec.)	Catalog Number	Nominal Melting I ² t (A ² Sec.)	Catalog Number	Nominal Melting I ² t (A ² Sec.)
0.100	—	—	235.100	0.00160	—	—
0.125	—	—	235.125	0.00280	—	—
0.200	—	—	235.200	0.00890	239.200	0.170
0.250	—	—	235.250	0.0170	239.250	0.3508
0.300	—	—	235.300	0.0330	239.300	0.630
0.400	—	—	235.400	0.0600	239.400	1.53
0.500	—	—	235.500	0.0710	239.500	2.04
0.600	—	—	235.600	0.115	239.600	2.48
0.700	—	—	235.700	0.160	239.700	4.23
0.750	—	—	—	—	239.750	5.57
0.800	—	—	235.800	0.260	239.800	7.77
1	0233 001	2.03	235 001	0.480	239 001	11.60
1.25	0233 1.25	3.48	235 1.25	1.12	239 1.25	20.05
1.6	0233 0.16	6.31	235 01.6	2.08	239 01.6	31.25
2	0233 002	10.2	235 002	2.72	239 002	51.95
2.5	0233 02.5	17.5	235 02.5	5.59	239 02.5	81.85
3	0233 003	27.0	235 003	8.62	239 003	133.0
3.15	0233 3.15	30.6	—	—	239 3.15	131.5
3.5	0233 03.5	37.3	—	—	239 004	278.0
4	0233 004	53.0	235 004	17.60	239 005	311.0
5	0233 005	92.4	235 005	28.15	—	—
6	0233 006	135	235 006	48.60	—	—
6.3	0233 06.3	156	—	—	—	—

Note: For axial leads in 233 Series, add packaging suffix XE. For radial leads in 233 Series, add packaging suffix XW. For tape and reel option in 233 Series, contact Littelfuse. For axial leads in 235 Series, change catalog number from 235 to 236. For axial leads in 239 Series, change catalog number from 239 to 238. All fuses listed are rated @ 250 VAC