

Time-Delay Glass Fuses

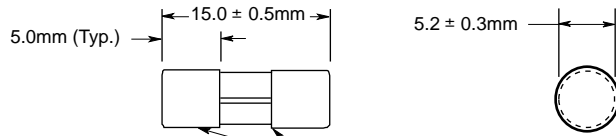
5mm x 15mm

C519



C519 Time Delay Fuses

Dimensional Data



Dimensions are in Millimeters (mm)

Markings: Manufacturer's Symbol, Product Symbol, Voltage, Ampere, Testing Agency Mark (Optional)

Limits for Pre-arcing Time/UL Listed Fuses.

Amp Ratings	135%		200%	
	MAX	MIN	MAX	MIN
125mA - 5A	60 min.	3 sec.	2 min.	3 sec.

Limits for Pre-arcing Time/UL Recognized Fuses.

Amp Ratings	350mA	600mA	2A	6A
	MIN	MAX	MAX	MAX
350mA	240 min.	90 sec.	2 sec.	500 millisecc.

Agency File Numbers:

- UL Listing. Guide # JDYX, File E75865
- CSA Certification. Class 1422-01, File LR65063
- UL Recognized. Guide # JDYX2, File E75865d

Product Symbol: C519

Physical Fuse Size: 5 x 15mm

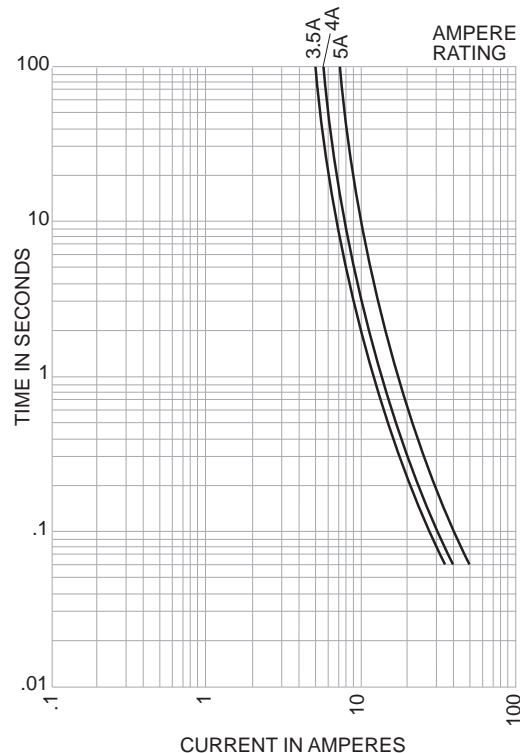
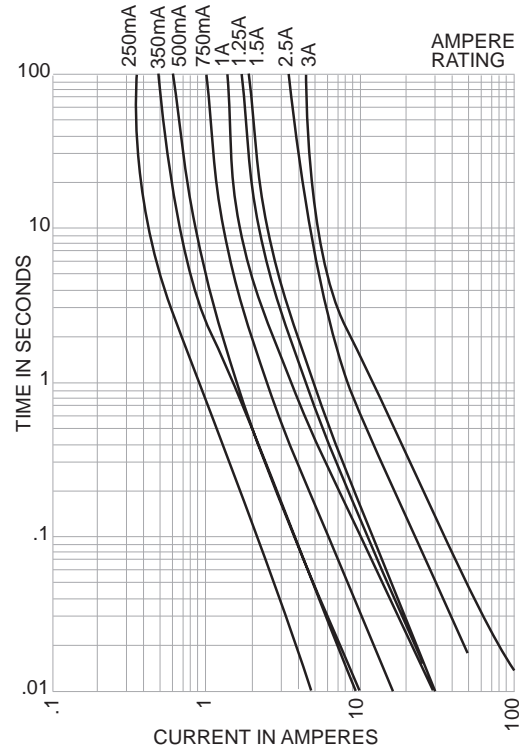
Mechanical Characteristics:

Materials: Endcaps are silver-plated brass; leads are tin-plated copper and tube is glass.

Temp. Range: -55°C to +85°C with proper derating.

CE logo denotes compliance with European Union Low Voltage Directive (50-1000V AC, 75-1500V DC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

Time-Current Characteristic Curves—Average Melt (Full Size Curves Available)



Time-Delay Glass Fuses

5mm x 15mm

C519



Electrical Characteristics:

Current Rating	Rated Voltage (V)AC	AIR	Voltage Drop (mV) max.	Pre-arcing Value (I ² t) (A ² s) typ.	U.L.	U.R.	CSA
125mA	250V	35A/250V 10kA/125V AC p.f. = 0.7 - 0.8	1200	0.039	•		•
250mA			630	0.18	•		•
350mA			520	0.9		•	
375mA		35A/250V AC 10kA/125V AC p.f. = 0.7 - 0.8	490	0.9	•		•
500mA			410	1.1	•		•
600mA			350	2.7	•		•
750mA			300	2.7	•		•
1A			250	6.4	•		•
1.25A			220	7.6	•		•
1.5A		100A/250V AC 10ka/125V AC p.f. = 0.7 - 0.8	200	13	•		•
1.6A			200	14	•		•
2A			200	27	•		•
2.25A			200	31	•		•
2.5A			190	42	•		•
3A			190	94	•		•
3.5A	125V	400A/125V AC p.f. = 1.0	180	94		•	
4A			150	145		•	
5A			150	230		•	

Telecommunication Capabilities:

UL 1459: Telephone Equipment

Fuses successfully opened:
 600 Volts (AC) 40 Amps
 600 Volts (AC) 7 Amps
 600 Volts (AC) 2.2 Amps

UL 497: Protectors for Paired Conductor Communication Circuits

Fuses successfully passed without opening:
 10 x 1000 microsecond waveform
 50 pulses/1 pulse every 8 seconds†
 @ 1000V

Fuse Rating	Peak Current (A)
250mA	12.5
350mA	19.5
375mA	20.0
500mA	28.5
600mA	36.5
750mA	49.0
1A	66.5
1.25A	100.0

† Fuse resistance was not allowed to vary by more than five percent after completion of the test.

Packaging & Ordering Information:

	C519			
	Product Symbol			Ampere Rating
			Blank - Standard S - Transparent Sleeve for sealed fuses.	125mA
				250mA
				350mA
				375mA
				500mA
				600mA
				750mA
				1A
				1.25A
				1.5A
				1.6A
				2A
				2.25A
				2.5A
				3A
				3.5A
				4A
				5A

Package Code
BK/ Bulk Package (100 pcs)
TR/ Tape & Reel (500 pcs)
TR1/ Tape & Reel (1,000 pcs)
TR2/ Tape & Reel (1,500 pcs)
NOTE: Tape & Reel Packaging per EIA 296-E (10.2mm Component Pitch and 52.4mm Tape-to-Tape Spacing)

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