

### Specifications

- Electrical Life
  - N/O Lighting Contactors: 6,000 operations (at full load)
  - N/O & N/C Lighting Contactors: 6,000 operations (at full load)
- Mechanical Life
  - N/O Lighting Contactors: 50,000 operations
  - N/O & N/C Lighting Contactors: 6,000 operations

### Inrush Current/Minimum Control Line Fuse§\*

Amps	Inrush Current and Fuse Size (Amps rms) at AC Control Voltage				
	120V	240V	277V	347V	480V
Inrush	5.0	2.5	2.2	1.8	1.3
Fuse	2.0	1.0	1.0	0.75	0.5

§ The minimum permissible control circuit fuse size is based on the operating coil's momentary inrush current.

\* Overcurrent protective device ratings for control circuits should be selected in accordance with applicable electrical codes.

### Maximum AC Voltage and Amp. Ratings For Bulletin 500LC Main Contacts (open or closed)

Load Type	Amperes Continuous	Poles to Load	
		1 for 1Ø	2 for 1Ø 3 for 3Ø
Tungsten	20	250V AC	250V AC
Ballast	20	347V AC	600V AC
General	30	347V AC	600V AC

### Control Line Run

Wire Size (AWG)	Maximum Distance (feet) at AC control voltage				
	120V	240V	277V	347V	480V
14	1,050	3,100	4,100	5,600	8,800
12	1,670	5,000	6,600	9,000	14,000
10	2,650	8,000	10,600	14,000	22,000

### Withstand Current Rating

Available Symmetrical Amperes RMS		
At AC Service Voltage	When Used with Molded-Case Circuit Breakers contained in UL67 listed panelboards	
	Withstand Current Rating (amps)	Maximum Breaker Size (amps)
250V	22,000	30
480V	14,000	30
600V	10,000	30

### Maximum DC Voltage and Amp. Ratings For Bulletin 500LC Main Contacts (open or closed)

Load Type	Amperes Continuous	Poles to Load	
		2 in Series	3 in Series
General	20	125V DC	250V DC

### Ratings for Control Modules

Control Voltage Range: 80...125% of nominal

Ambient Temperature Range (Operate): -40°C...+60°C (-40°...+140°F)

Ambient Temperature Range (Storage): -40°C...+65°C (-40°...+149°F)

Control Module	500LC-47CM*		500LC-48CM*		500LC-49SS*	
	AC	DC	AC	DC	AC	DC
120V AC	1.90	—	1.60	—	3.70	—
24V AC/DC	0.85	0.36	0.34	0.38	0.70	0.72
240/277V AC	4.00	—	2.50	—	6.00	—
12V AC/DC	0.60	0.32	0.34	0.36	0.68	0.70