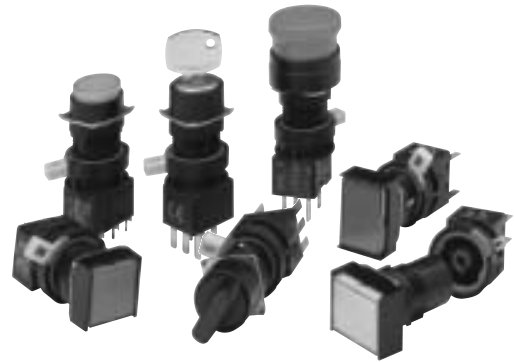


L6 Series — Miniature Switches and Pilot Devices

Key features of the 5/8" L6 Series include:

- 5/8" (16mm) mounting holes
- Locking lever removable contact blocks
- Solder terminal or PCB terminal options
- Available assembled or as sub-components
- Worldwide approvals
- Incandescent or LED illumination
- Snap action contacts



CSA Certified
File No. LR21451



Registration No. R9551089 (E-stops)
Registration No. J9551458 (all other switches)
Registration No. J9650511 (Pilot Lights)

Switches & Pilot Devices

Contact Ratings	Conforming to Standards	EN60947-1, EN60947-5-1, VDE0660-200, UL508, CSA C22-2 N0.14					
	Operating Temperature	Operation: -25 to +55°C (without freezing), 45 to 85% rh Storage: -30 to +80°C (without freezing)					
	Vibration Resistance	5 to 55Hz, 1.0 peak-peak amplitude max					
	Shock Resistance	Operating limit: 100 in/sec ² (approximately 10G) Damage limit: 1000 in/sec ² (approximately 100G)					
	Mechanical Life	Momentary pushbuttons 2,000,000 operations minimum All others: 250,000 operations minimum					
	Degree of Protection	IP65 (conforming to IEC 60529)					
	Dielectric Strength	Switch unit: between live and ground: 2500 volt AC, 1 minute between terminals of different poles: 2500 volt AC, 1 minute between terminals of same pole: 1000 volt AC, 1 minute Illumination unit: between live part and ground: 2500 volt AC, 1 minute					
	Insulation Resistance	100 MΩ minimum (using 500V DC megger)					
	Rated Insulation Voltage	250 V AC/DC					
	Rated Thermal Current	Gold Contacts (pcb): 3A Silver Contacts (solder): 5A					
Contact Resistance	50 Ω maximum initial value						
Rated Operating Current	Silver Contacts (Solder Terminals)			Gold Clad Contacts (PCB terminals)			
		30V	125V	250V	30V	125V	
	AC resistive	3A	3A	2A	-	0.1A	
	AC inductive	2A	2A	1.5A	0.1A	-	
Rated Operating Current	DC resistive	2A	0.4A	-	-	-	
	DC inductive	1A	0.2A	-	-	-	
	Minimum Recommended Load (reference value for silver contacts)	5 VAC/DC, 1mA					
	Terminal Style	0.110" Solder Tab /PCB					
Contact Form	Snap Action, Double Throw						
Contact Material	Solder Tab: Pure Silver /PCB thermal Gold Plated Silver						
Electrical Life (at full load)	Momentary pushbuttons: 100,000 operations minimum (1800 operations / hour) All others: 100,000 operations minimum (1200 operations / hour)						
Lamp Ratings	Lamp Current Draw	5V DC LED: 8mA		6V incandescent: 100 mA			
		6V LED: 7mA		12V incandescent: 50 mA			
		12V LED: 8mA		24V incandescent: 25 mA			
		24V LED: 8mA					
Lamp Life	Incandescent: 2000 hours./LED: 50,000 hours. (on pure DC, half-life intensity)						
Buzzer Ratings	Frequency	2 khz ± 500 HZ					
	Amplitude	80db @ 0.1m (at rated voltage)					
	Operating Voltage	6V AC/DC or 12 - 24V AC/DC ± 10%					
	Adjustable Cycle	55 to 600 cycles per minute					
	Current Draw	DC: 7mA AC: 20mA					
	Life	1000 hrs. minimum					
	Insulation Voltage	60V AC/DC					
Operating Temperature	-20 to 55 C (no freezing), 45 to 85% rh						