Series LB

LB15VA001

Rectangular • Snap-in Mount • Solder Lug/Quick Connect

Dimensions in mm/inch



POLES & CIRCUITS								
		Plunger Position () = Momentary		Connected Terminals			Throw & Switch/Lamp Schematics	
Pole	Model	Normal	Down	Normal	Down		Switch is marked with NC, NO, COM, L+, L–. Lamp circuit is isolated and requires an external power source.	
SP	LB15	ON	(ON)	1-3	1-2	SPDT	1 • COM 3 • NC 2 • NO	

Protective Guard

AT4057 Rectangular Protective Guard

Protective Guard reduces the depth of switch behind the panel by .020" (0.5mm).

Opens 90° Closes manually **Material:** Polyamide





Base Switch Specifications

Electrical Capacity (Resistive Load)

Power Level: 3A @ 125V AC or 3A @ 250V AC or 3A @ 30V DC

Other Ratings

Contact Resistance:	50 milliohms maximum				
Insulation Resistance:	200 megohms minimum @ 500V DC				
Dielectric Strength:	1,000V AC minimum between contacts for 1 minute minimum;				
	1,500V AC minimum between contacts & case for 1 minute minimum				
Mechanical Life:	1,000,000 operations minimum				
Electrical Life:	100,000 operations minimum				
Nominal Operating Force:	4.41N				
Contact Timing:	Nonshorting (break-before-make)				
Travel:	Pretravel .059" (1.5mm); Overtravel .059" (1.5mm); Total Travel .118" (3.0mm)				

Materials & Finishes

Housing:	Glass fiber reinforced polyamide (UL94V-0)
Snap-in Frame:	Stainless steel
Movable Contact:	Silver alloy or copper with gold plating
Stationary Contacts:	Silver alloy or copper with gold plating
Base:	Liquid crystal polymer (UL94V-0)
Switch Terminals:	Phosphor bronze with silver or gold plating

Environmental Data

-25°C through +70°C (-13°F through +158°F) **Operating Temperature Range:** 90 ~ 95% humidity for 96 hours @ 40°C (104°F) Humidity: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning Vibration: in 1 minute; 3 right angled directions for 2 hours 50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Shock: **RoHS Compliant:** RoHS Installation Cap Installation Force: 3.92N maximum downward force on cap Quick Connect Force: 52.95N maximum downward force on connector Manual Soldering: 390°C for 4 seconds, 2 cycles Soldering Time & Temperature:

Standards & Certifications

Flammability Standards:

UL94V-0 housing & base

