

Distinctive Characteristics

Square, round, rectangular, and round panel seal models available.

Stainless steel clips provide secure mounting with a wide range of panel thicknesses.

Latchdown feature gives indication of circuit status. Audible and tactile feedback with smooth and responsive operation.

Snap-action contact mechanism gives long electrical life and sensitivity of actuation.

Combination solder lug and .110" quick connect terminals are epoxy sealed to prevent entry of flux, dust, and other contaminants.

Panel sealed model meets IP65 of IEC60529 specifications (similar to NEMA 4 & 13).

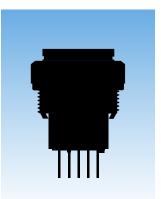
Compact switch design minimizes behind panel depth.

Matching illuminated models available and shown in the Illuminated Pushbutton section.

Matching indicators available and shown at the end of Section M.



Actual Size





General Specifications

Electrical Capacity (Resistive Load)

Power Level (silver):	3A @ 125V AC or 3A @ 250V AC
Logic Level (gold):	0.4VA maximum @ 28V AC/DC maximum
	(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
	Note: Find additional explanation of operating range in Supplement section.

Other Ratings

Contact Resistance:	50 milliohms maximum for silver; 100 milliohms maximum for gold				
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 for momentary circuit				
	200,000 operations minimum for maintained circuit				
Electrical Life:					
Nominal Operating Force:	5.39N				
Contact Timing:	: Nonshorting (break-before-make)				
Travel:	Momentary: Pretravel .059" (1.5mm); Overtravel .059" (1.5mm); Total Travel .118" (3.0mm)				
	Maintained: Pretravel .087" (2.2mm); Overtravel .031" (0.8mm); Total Travel .118" (3.0mm)				

Materials & Finishes

Housing:	Glass fiber reinforced polyamide (UL94V-0)			
O-ring:	Nitrile butadiene rubber			
Inner Seal: Silicone rubber				
Movable Contact:	Silver alloy or copper with gold plating			
Stationary Contacts:	Silver alloy or copper with gold plating			
Base:	Liquid crystal polymer (UL94V-0)			
Terminals:	Phosphor bronze with silver or gold plating			

Environmental Data

Operating Temp Range:	–25°C through +70°C (–13°F through +158°F)
	Note: When used with a polyvinyl chloride splash cover, the lowest limit is 0°C (32°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in
	1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
Sealing:	IP65 of IEC60529 standard (similar to NEMA 4 & 13)

Installation

Mounting Torque:	1.96Nm (17.35 lb•in) maximum			
Cap Installation Force:	3.92N maximum downward force on cap			
Quick Connect Force:	52.95N maximum downward force on connector			
Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.			

Standards & Certifications



UL & C-UL Recognized:

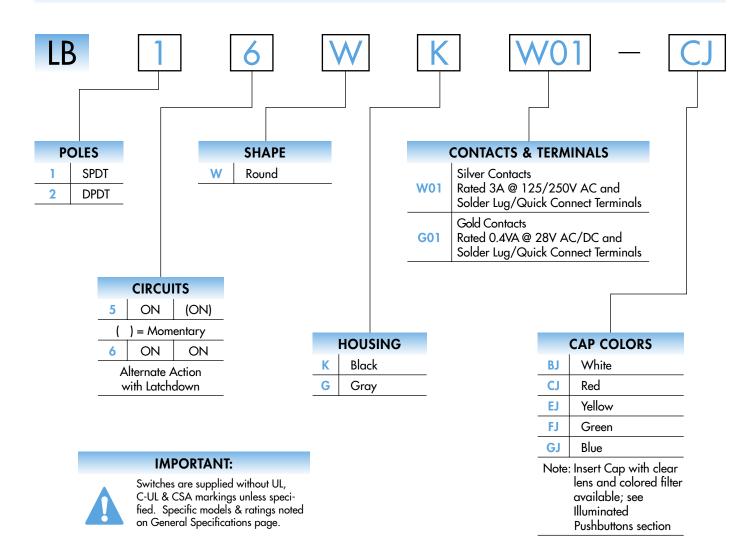
Flammability Standards:

CSA Certified:

UL94V-0 housing & base All models recognized at 3A @ 125V or 250V AC or 0.4VA @ 28V AC/DC maximum; UL File No. WOYR2.E44145; add "/U" to end of part number to order UL mark on switch; C-UL File No. WOYR8.E44145; add "/C-UL" to end of part number to order C-UL mark on switch. All models certified at 3A @ 125V or 250V AC or 0.4VA @ 28V AC/DC maximum; CSA File Nos. 023535-0-000; add "/C" to end of part number to order CSA mark on switch.



TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

LB16WKW01-CJ





CJ

Red

FJ

Green

POLES & CIRCUITS								
		Plunger () = Mo	Position omentary	Connected Terminals			Throw & Switch/Lamp Schematics	
Pole	Model	Normal	Down	Normal	Down	Note:	Switch is marked with NC, NO, COM, L+, L	
SP	LB15 *LB16	ON ON	(ON) ON	1-3	1-2	SPDT	1 € COM L[+] € - ○ - € [-] L 3 € NC 2 € NO	
DP	LB25 *LB26	ON ON	(ON) ON	1-3 4-6	1-2 4-5	DPDT	1 • COM 4 • COM L(+) • − − • (-) L 3 • NC 2 • NO 6 • NC 5 • NO	
	* Whe	en in latchdow	n position fo	r the alternate o	circuit, cap po	sition is .(039" (1.0mm) above the built-in bezel.	
				SHAPE	& PANEL	ουτοι	JT	
NormalRecommended Panel Thickness: $.039'' \sim .157'' (1 \sim 4mm)$ Recommended Panel Thickness with Splash Cover: $.039'' \sim .138'' (1 \sim 3.5mm)$ Overtightening the mounting nut AT074 may damage the switch housing.Image: The transmission of transmission of the transmission of transmission of transmission of transmission of transmission of transmission of the transmission of transmission								
					HOUSING	;		
Housing Colors Available: K Black Gray								
			CONTAC	T MATERI	ALS, RATI	NGS 8	TERMINALS	
W01Silver ContactsPower Level 3A @ 125V AC & 250V ACSolder Lug/Quick ConnectG01Gold ContactsLogic Level 0.4VA max. @ 28V AC/DC max.Solder Lug/Quick ConnectComplete explanation of operating range in Supplement section. $I = 0.5$.020 $I = 0.5$.020								
CAP COLORS								
	/Filter rs Available] White	E1	Yellow	GJ Blue		AT4054	(19.0) Dia 748	

(5.1) .201

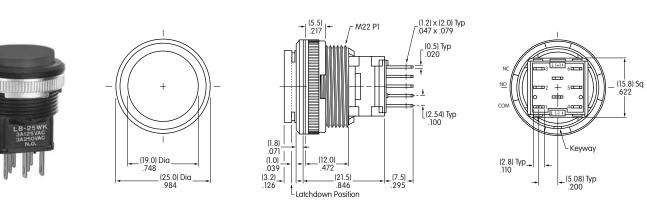
Material: Polycarbonate Finish: Glossy



Panel Seal

TYPICAL SWITCH DIMENSIONS

Single & Double Pole



LB25WKW01-CJ

Single pole models do not have terminals 4, 5, & 6.

Double Pole • Straight PC Terminals

Base

O-ring Supplied with

O-ring Supplied with AT9410 Splash Cover

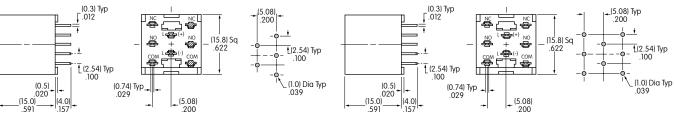
Panel Seal Switch

OPTIONAL ACCESSORIES

PCB Adaptors

AT712





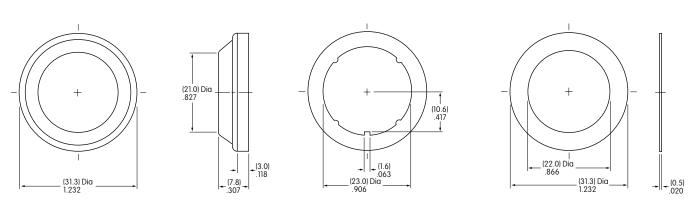
Note: Order adaptors separately.

AT9410 Splash Cover for Panel Seal

Materials:

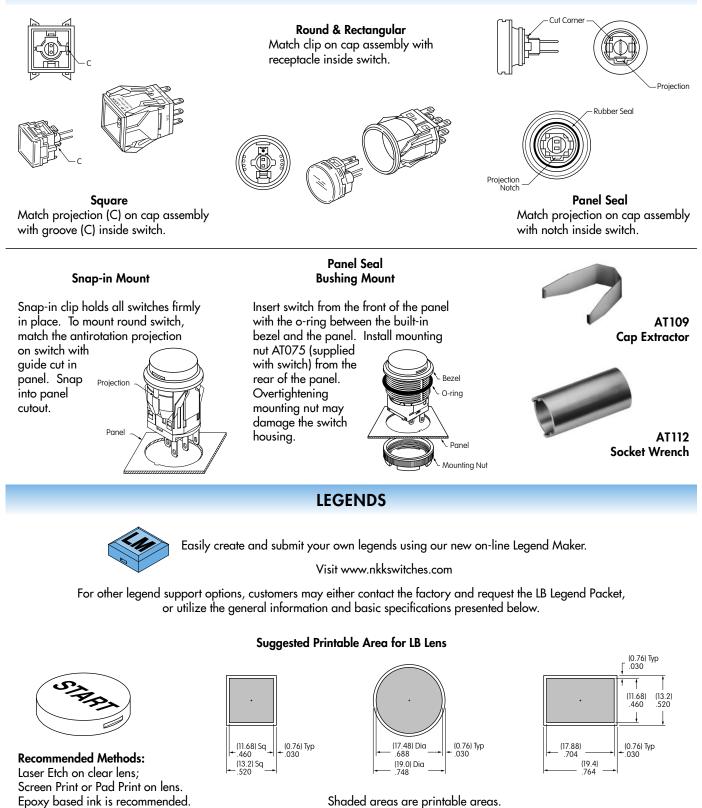
Lid: Polyvinyl chloride (PVC loses pliability below 0°C/32°F) Base: Polyethylene O-ring: NBR

Recommended Panel Thickness: .039" ~ .138" (1.0mm ~ 3.5mm)





ASSEMBLY INSTRUCTIONS



Additional Method Additional method for legends is engraving the cap. Maximum depth for engraving is .012" (0.3mm) on the cap lens. Enamel paint is recommended to fill the engraved area.