Rotaries

Slides

Tactiles

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Touch

Indicators

Supplement Accessories

# Rockers

	Other	Ratings
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Nominal Operating Force: **Contact Timing:** Travel:

**Electrical Capacity (Resistive Load)** 

Power Level (silver):

**Contact Resistance:** 

**Dielectric Strength:** 

**Mechanical Life:** 

**Electrical Life:** 

**Insulation Resistance:** 

## **Materials & Finishes**

Actuator:	Polycarbonate
Housing:	Bushing mount: Glass fiber reinforced polyamide (UL94V-0);
	Snap in mount: Polybutylene terephthalate (PBT) (UL94V-0)
Base:	Glass fiber reinforced polyamide (UL94V-0)
Movable Contact:	Phosphor bronze & silver with silver plating
Stationary Contacts:	Common terminal: Phosphor bronze with silver plating;
-	Contact terminals: Phosphor bronze with tin plating
Lamp Terminals:	Phosphor bronze with tin plating

General Specifications

## **Environmental Data**

<b>Operating Temperature Range:</b>	–10°C through +50°C (+14°F through +122°F) for Illuminated
	–25°C through +70°C (–13°F through +158°F) for Nonilluminated
Humidity:	90 ~ 95% humidity for 240 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 <sup>2</sup> ) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

3A @ 125V AC or 3A @ 250V AC or 3A @ 30V DC

1,000V AC minimum between contacts for 1 minute minimum

 $1.5 \pm 0.7$ N for Single Pole;  $3.0 \pm 1.2$ N for Double Pole

1,500V AC minimum between contacts and case for 1 minute minimum

50,000 operations minimum for 3A @ 125V/250V AC & 3A @ 30V DC 100,000 operations minimum for 1A @ 125V/250V AC & 1A @ 30V DC

50 milliohms maximum (DC2 ~ 4V 100mA)

200 megohms minimum @ 500V DC

500,000 operations minimum

Nonshorting (break-before-make)

Total Travel .118" (3.0mm)

#### Installation

Mounting Torque:	0.8Nm (7.08 lb•in) maximum
Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.
Cleaning:	Hand clean locally with alcohol based solution

markings.

## Standards & Certifications

Flammability Standards: UL: UL94V-0 housing & base File No. E44145 - Recognized only when ordered with marking on switch. Add "/U" or "/CUL" to end of part number to order UL recognized switch. All single & double pole models recognized at 3A @ 125V/250V AC or 3A @ 30V DC. Note: The spot illuminated switches do not have UL approval and cannot be ordered with the

7/19/17

# Distinctive Characteristics

Environmentally friendly components and packaging materials meet RoHS Directive restricting use of hazardous materials. Suited for lead-free soldering because of heat resistant resin materials.

Smooth, slightly concave surface of cap designed to fit fingertip. Unique design and construction of cap prevents its removal and limits tampering.

Bright LED illumination in choice of red, green or amber through translucent white cap. Spot illumination in red, green or amber enhanced by black cap.

Short body of .551" (14.0mm) conserves behindpanel space.

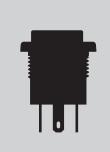
Installation options include 16.0mm bushing mount or 17.3mm snap-in mount.

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

Crisp actuation and clear circuit status provided by snap-action contact mechanism. Arc barrier between movable contacts protects against crossover.







Keylocks Programmable Illuminated PB Pushbuttons

Rotaries

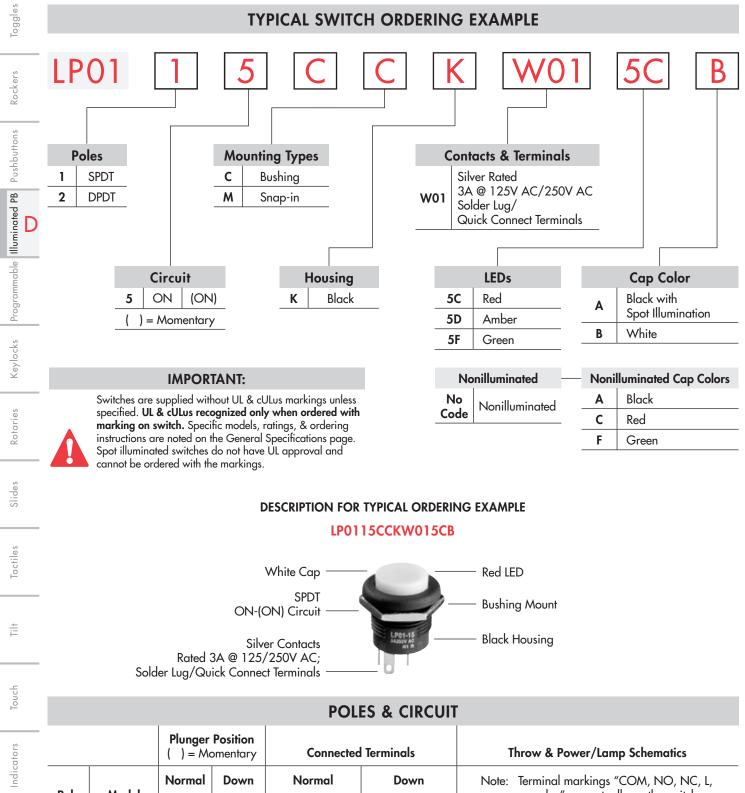
Slides

Tactiles

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Touch





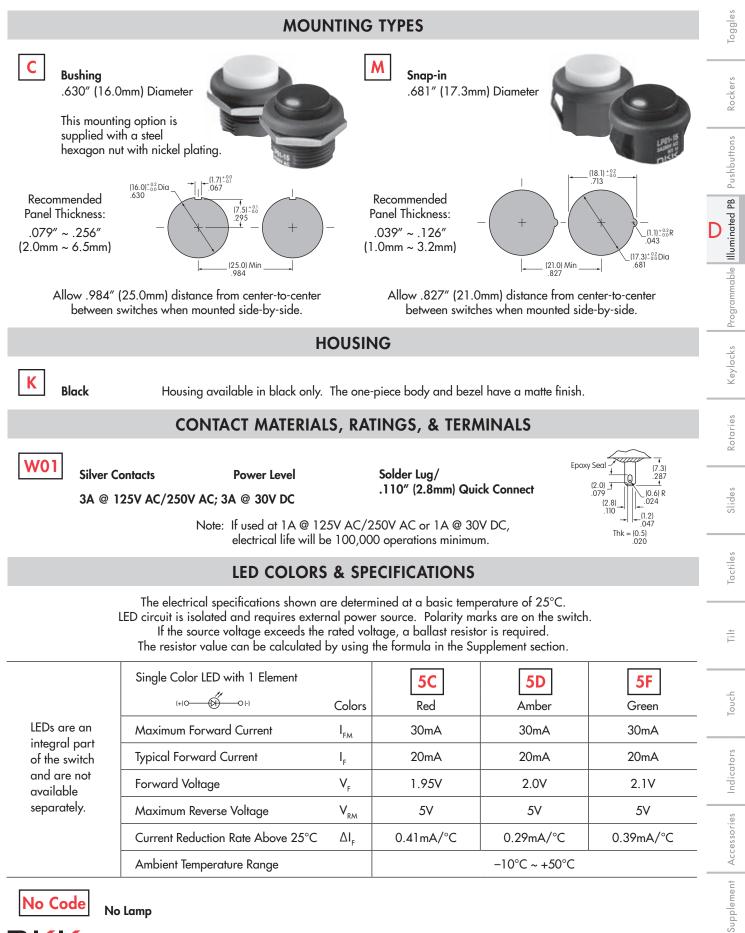
	() = Mo		omentary Connected Termine		Terminals	Throw & Power/Lamp Schematics	
 Pole	Model	Normal	Down	Normal	Down	Note: Terminal markings "COM, NO, NC, L, + and – " are actually on the switch; terminal numbers are not on the switch.	
SP	LP0115	ON	(ON)	1-3	1-2	SPDT 1 (COM) 3 • 2 L (+) • O • (-) L	
DP	LP0125	ON	(ON)	1-3 4-6	1-2 4-5	DPDT 3 • • 2 6 • • 5 L (+) • • • • • • • • • • • • • • • • • • •	



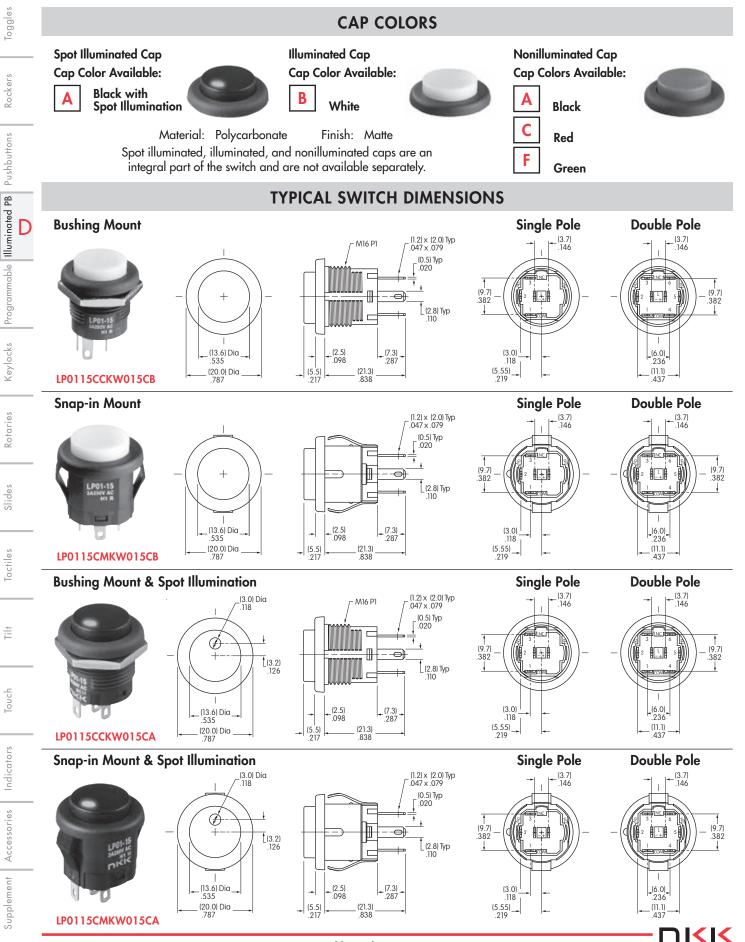
Supplement Accessories

## Short Body Pushbuttons

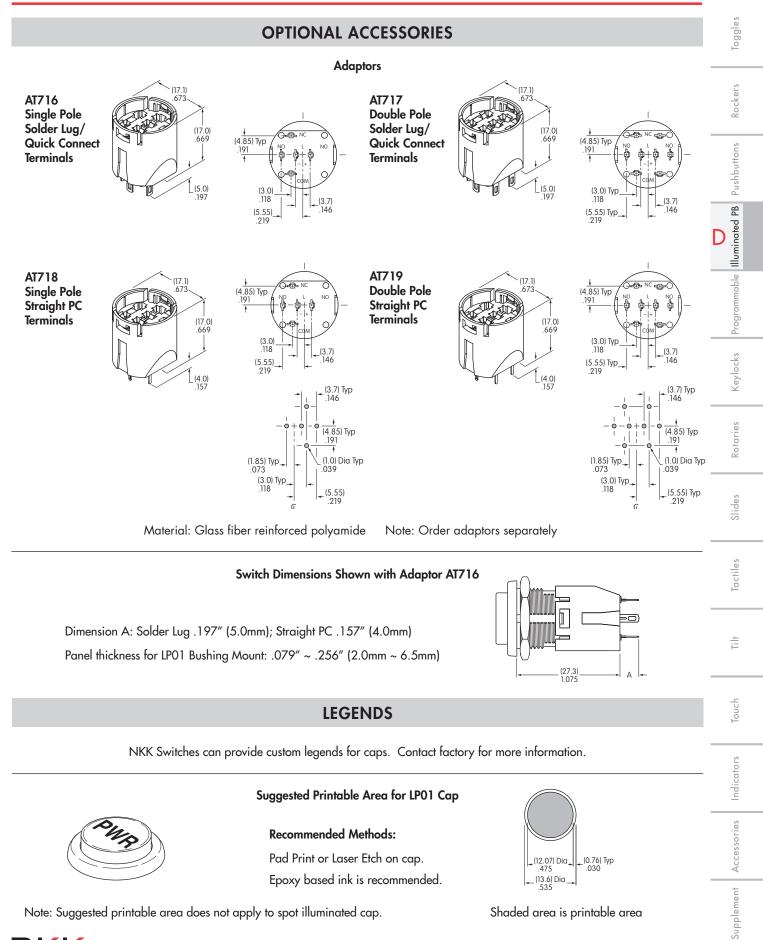
# Series LPO1



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