CN-0295

New Product

High Visibility Spot Illumination

LP01 Series

540

New Addition to Compact Body Illuminated Pushbutton Switches



Series LP01

General Specifications

Electrical Capacity (Resistive Load)

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

Other Ratings

	50 milliohms maximum (DC2 ~ 4V 100mA)
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 and case for 1 minute minimum
Mechanical Life:	500,000 operations minimum
Electrical Life:	50,000 operations minimum for 3A @ 125/250V AC & 3A @ 30V DC;
	100,000 operations minimum for 1A @ 125/250V AC & 1A @ 30V DC $1.5 \pm 0.7N$ for Single Pole; $3.0 \pm 1.2N$ for Double Pole
Iravel:	3.0mm (.118″)

Environmental Data

Operating Temperature Range: -10°C through +50°C (+14°F through +122°F)

Processing

Soldering: Manual Soldering: 390°C maximum @ 4 seconds maximum, 2 cycles

Distinctive Characteristics

Vivid, super bright LED spot illumination in red, amber or green provides easy status recognition.

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

Installation options include 16mm bushing mount or 17.3mm snap-in mount.

Short body of .551" (14.0mm) conserves behind-panel space.

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

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

Actual Size





Applications

- Communication Equipment
- Test Instruments
- Automation Equipment
- Wireless Devices
- Office Equipment
- Household Appliances



Series LP01



Series LP01

LED COLORS & SPECIFICATIONS

LEDs are an integral part of the switch and are not available separately. The electrical specifications shown are determined at a basic temperature of 25°C. LED circuit is isolated and requires external power source. Polarity marks are on the switch. If the source voltage exceeds the rated voltage, a ballast resistor is required. The resistor value can be calculated by using the formula shown here.



CAP COLORS **Spot Illuminated Cap**

Cap Color Available:



Material: Polycarbonate Finish: Matte

Black with Spot Illumination



TYPICAL SWITCH DIMENSIONS

M16 P1

(21.3)

838

.098

(7.3) .287

(1.2) x (2.0) Typ .047 x .079

(0.5) Typ .020

(2.8) Typ

(9.7) .382

(3.0)

.118

(5.55)

The cap is an integral part of the switch and is not available separately.



(3.2) (13.6) Dia (20.0) Dia 787 LP0115CCKW015CA

(3.0) Dia

118

Snap-in Mount









Single Pole

(3.7)



Double Pole

(6.0

.236 (11.1)

437

(3.7) .146

(9.7) .382

LP0115CMKW015CA

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