ILLUMINATED ALTERNATE ACTION PUSHBUTTONS

ALTERNATE ACTION, LED ILLUMINATED & SEALED



The LP5 offers the same rugged, sealed construction as the proven P5 series with the added benefit of reliable LED illumination. It is a precision snap-action switch designed for use in off-highway, material handling, industrial controls, marine, medical and other demanding Commercial applications. Choose from the standard mounting styles and electrical ratings, or contact us for custom configurations.

Now you can design panels with both alternate and momentary action switches and have uniform panel appearance. The OTTO LP5 series features alternate action in the same pushbutton and housing configurations as the OTTO momentary LP3 series.

Push and the LP5 series switch turns "on." Push again and the LP5 switch turns "off." Positive tactile feedback is featured so the operator is clearly aware the switch mode has been actuated. The button returns to the original position after each actuation.

Features:

- Watertight to IP68S; moistureproof & dusttight to IP64
- LED lighted with the ability to accommodate 2, 6, 12 & 24VDC power & includes reverse voltage protection
- Tall & dome style buttons in translucent white, red, amber, green and blue permitting sublimated & pad printed legends
- Quick disconnect terminals
- 15/32" & 5/8" thread, press fit & dome case options
- RoHS compliant





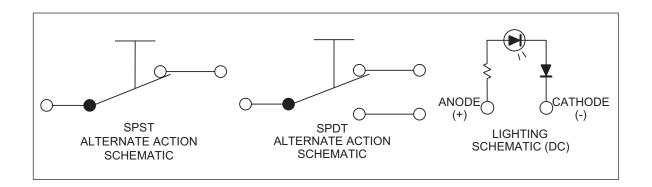
Standard Characteristics/Ratings:		
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ELECTRICAL RATINGS:		
Load	Sea Level @ 28VDC or 115VAC	
Resistive	5A	
Inductive	3A	
Lamp	1A	
Motor	3A	
DWV	1000Vrms through switch contacts only	
Logic Level	10mA @ 5VDC	
Electrical Life:	Standard 25,000 cycles, Logic Level 200,000 cycles	
LIGHTING:		
Light Source Voltage (DO	C) Typ. Forward Voltage (DC)	Voltage Max (DC)
2*	1.9 to 3.3 (dep. on color)	2.5 to 4 (dep. on color)
6	6	8
12	12	14.5
24	24	28.6
Mechanical Life:	200,000 cycles	
Seal:	Unsealed, IP64 or IP68S	
Operating Temp Range:	-55°C to +85°C	
Operating Force:	3.0 lbs. +1.0/-0.5 lb.	
Total Travel:	0.180 inches max	
Overtravel:	0.012 inches min	
MATERIALS:		
Case:	Anodized aluminum alloy	
Button:	Thermoplastic	
Mounting Hardware:	Hex nut, lockwasher, and panel gasket (watertight only)	

LP5 PART NUMBER CODE LP5 X XX Case Style **Circuit Rating** Light Source Type w/ Rev. Pol Protection **Seal Level Case Color Button Color Legend Style** 1. SPST/Std. E. Exposed Dome A. 2V Red I FD* 1. Unsealed A. Amber, Translucent 1. Silver Refer to Legend Table B. 2V Green LED* F. Flush Dome 2. SPDT/Std. 2. Dusttight (use Amber LED) for legend codes in 2. Black C. 2V Amber LED* R. Red, Translucent Appendix, Legends R. Raised Dome 3. SPST/Logic Level 3. Watertight D. 6V Red LED will be printed in (use Red LED) 1. Press Fit Mount 4. SPDT/Logic Level white on amber, red, E. 6V Green LED W.White, Translucent 3. 5/8" Thread F. 6V Amber LED green, and blue buttons G. Green, Translucent Front Mount and in black on white G. 12V Red LED (use Green LED) 4. 15/32" Thread H. 12V Green LFD buttons B. Blue, Translucent Rear Mount J. 12V Amber LED (use Blue LED) 6. 5/8" Thread K. 24V Red LED Rear Mount L. 24V Green LED **STOP HERE** for M.24V Amber LED illuminated switches N. 2V Blue LED* P. 6V Blue LED without legends. 12V Blue LED * 2V LED's are intended for use with an external resistor. See LED voltage R. 24V Blue LED S. 2V Deep Green LED* chart in appendix for details on the approximate value of the resistor. See T. 6V Deep Green LED appendix for complete voltage/ratings table. U. 12V Deep Green LED

V. 24V Deep Green LED

For super bright LEDs, contact factory.

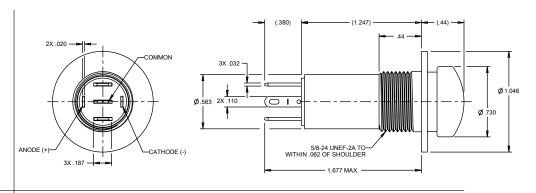
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LP5-EXXXXX

Alternate Action, Exposed Dome Button

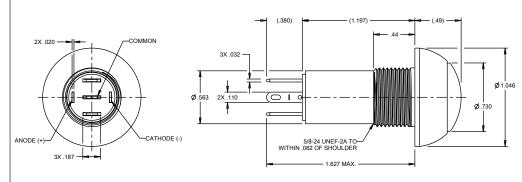




LP5-FXXXXX

Alternate Action, Flush Dome Button

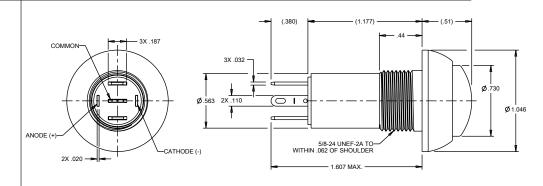




LP5-RXXXXX

Alternate Action, Raised Dome Button





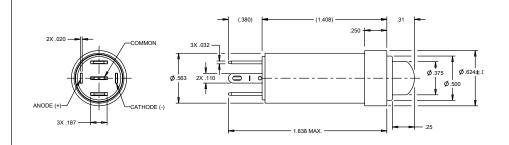
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LP5-1XXXXX

Alternate Action, Press Fit Mount

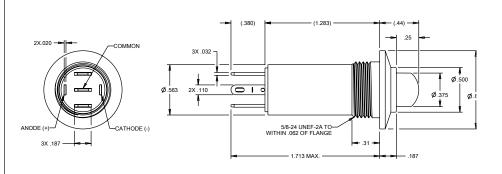




LP5-3XXXXX

Alternate Action, 5/8" Threaded Front Mount

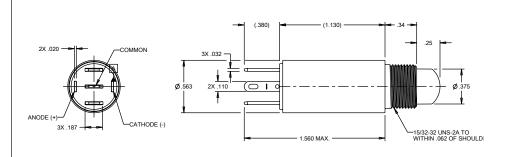




LP5-4XXXXX

Alternate Action, 15/32" Threaded Rear Mount





LP5-6XXXXX

Alternate Action, 5/8" Threaded Rear Mount



NOTE: For indicator light only, see LPL indicator light pages 153-155.

