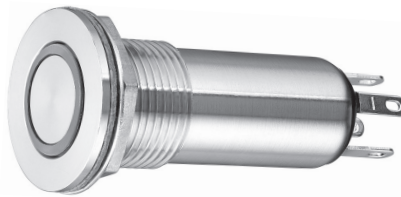


MOMENTARY ACTION, FULLY ILLUMINATED, VANDAL RESISTANT CASE AND BUTTON WITH LEGEND



The LP3-V is an illuminated, vandal-resistant, momentary action switch designed to provide attractive, lighted position indication for applications in harsh environments, where security and reliability are paramount. The series features both aluminum and stainless steel cases watertight to IP68S.

The LP3-V series offers positive tactile feedback and a variety of LED colors available in both flat and domed actuator bezel shapes. Illumination options include ring lit, full illumination and full illumination with legends. Standard offerings include 69 legends per SAE in silver or black. Custom legends, lettering and logos are also available.

This high reliability switch offers the durability and ruggedness our customers have come to expect with the added benefit of illumination. The LP3-V is ideal for marine, off-highway and industrial control applications that require an illuminated switch.

## Features:

- **Security (aluminum) or vandal resistant (stainless steel) case & button**
- **Ring or full illumination**
- **Watertight to IP68S option**
- **Drop in replacement to the P8-V series of pushbuttons**
- **RoHS compliant**

### Standard Characteristics/Ratings:

#### ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC, 60/400Hz
Resistive	5A
Inductive	3A
Lamp	1A
Motor	3A
DWV	1000Vrms through switch contacts only
Logic Level	10mA @ 5VDC
<b>Electrical Life:</b>	25,000 cycles, Logic Level 250,000 cycles
<b>Lighting:</b>	See LED Voltage Chart in Appendix for more details
<b>Mechanical Life:</b>	250,000 cycles
<b>Seal:</b>	IP64 or IP68S
<b>Operating Temp Range:</b>	-55°C to +85°C
<b>Operating Force:</b>	2.5 +/- 0.5 lb. or 5.0 +/- 1.0 lb.
<b>Total Travel:</b>	0.080 inches max
<b>Overtravel:</b>	0.010 inches min

#### MATERIALS:

<b>Case:</b>	Stainless steel (316) or anodized aluminum alloy
<b>Button:</b>	Ring lit, clear thermoplastic Fully illuminated, translucent thermoplastic
<b>Center Cap:</b>	Stainless steel (316) or anodized aluminum alloy
<b>Terminals:</b>	Standard and logic level options available
<b>Mounting Hardware:</b>	Hex or knurl nut, lockwasher and panel gasket when applicable

### LP3-V PART NUMBER CODE

Type	Case Style*	Circuit Rating	LED Light Source Type w/ Rev. Pol Protection**	Seal Level	Operating Force	Case/Center Cap Color	Button Profile	Legend Color	Legend
A. Aluminum	1. 5/8-24 & Hex Nut	1. SPST N.O./Std.	A. 2V Red	L. 24V Green***	2. Dusttight	2. 2.5 lbs. (± 0.5 lbs.)	1. Silver	1. Silver	SAE Legend, Two Digit Code: please refer to Appendix
V. Stainless	3. 5/8-24 W/D-Flat & Hex Nut	2. SPST N.C./Std.	B. 2V Green***	M. 24V Amber	3. Watertight	5. 5.0 lbs. (± 1.0 lbs.)	2. Black①	2. Black	
	5. 3/4-20 & Hex Nut	3. SPDT 2 Circuit/Std.	C. 2V Amber	N. 2V Blue			3. Silver/Translucent (Fully Illuminated)②		
	7. 3/4-20 W/D-Flat & Hex Nut	4. SPST N.O./Logic Level	D. 6V Red	P. 6V Blue			4. Black/Translucent (Fully Illuminated) ①②		
		5. SPST N.C./Logic Level	E. 6V Green***	Q. 12V Blue					
		6. SPDT 2 Circuit/Logic Level	F. 6V Amber	R. 24V Blue					
			G. 12V Red	S. 2V Deep Green					
			H. 12V Green***	T. 6V Deep Green					
			J. 12V Amber	U. 12V Deep Green					
			K. 24V Red	V. 24V Deep Green					

**STOP HERE**  
for lighted switches  
without legends

CASE STYLE		
DIMENSION (BUTTON DIA.)	1 - 4	5 - 8
(THREAD)	0.525	0.590
FLAT	5/8-24 UNEF-2A	3/4-20 UNEF-2A
	0.594	0.718

\* Contact factory for Knurl Nut options.

\*\* 2V LED's are intended for use with an external resistor. See LED voltage chart in appendix for details on the approximate value of the resistor.  
For additional LED lighting options, contact factory.

\*\*\* Light source not available with fully illuminated center cap

① Only available on LP3-A styles.

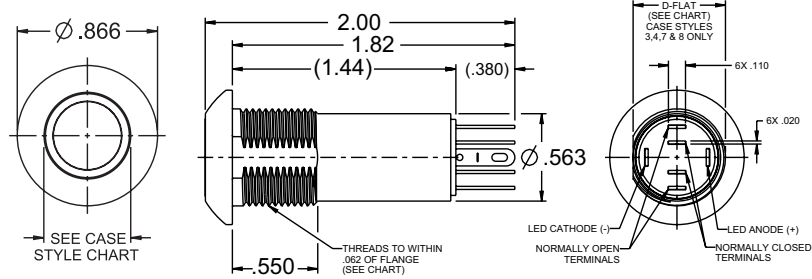
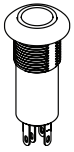
② Not offered in case styles 5, 6, 7, and 8.

# ILLUMINATED VANDAL RESISTANT WITH LEGEND

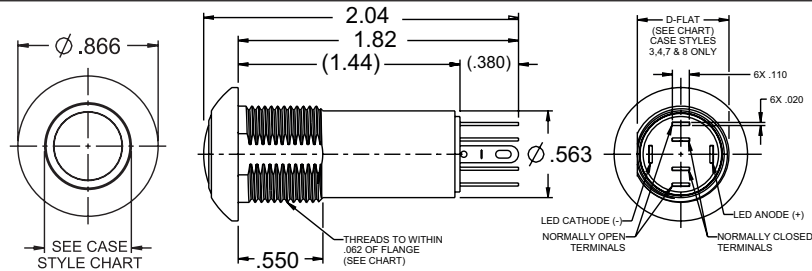
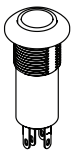
**LP3-V**  
ILLUMINATED  
VANDAL RESISTANT  
PUSHBUTTONS

## MOMENTARY ACTION RING ILLUMINATED, VANDAL RESISTANT CASE & BUTTON

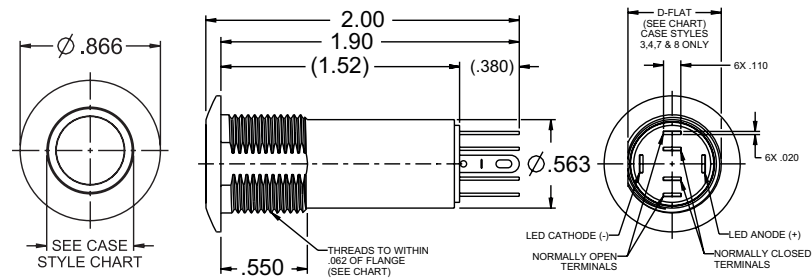
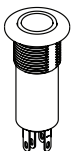
**LP3-XXXXXXX1**  
High Profile Flat Button



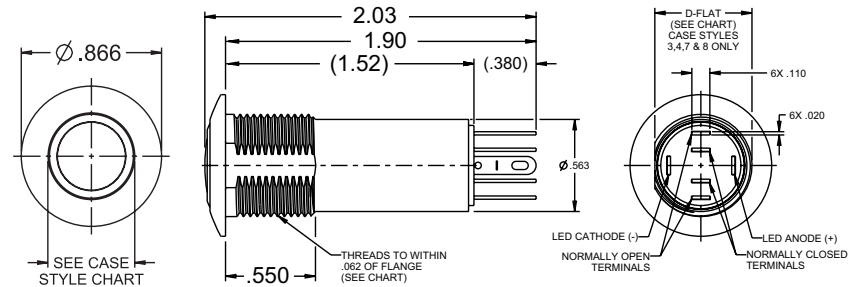
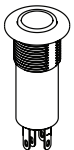
**LP3-XXXXXXX2**  
High Profile Curved Button



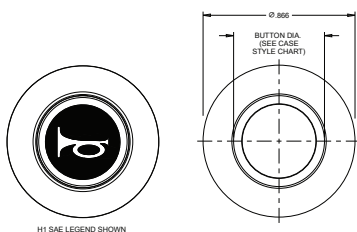
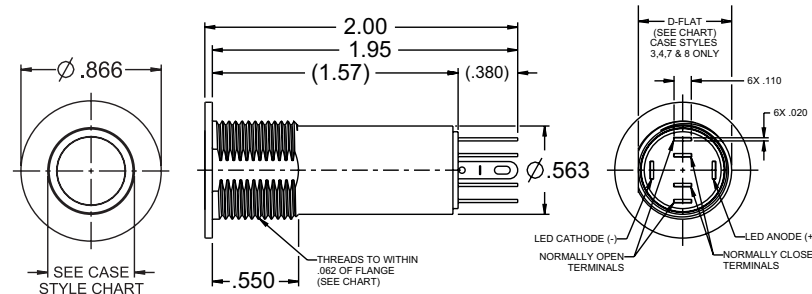
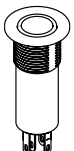
**LP3-XXXXXXX3**  
Low Profile Flat Button



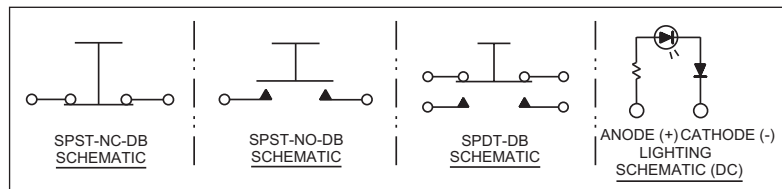
**LP3-XXXXXXX4**  
Low Profile Curved Button



**LP3-XXXXXXX5**  
Flush Profile Flat Button



ILL. SAE LEGEND SHOWN



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

OTTO:

[LP3-V13G3234](#) [LP3-V13U3234](#)