

OTTO's LP3S-V series of vandal resistant, momentary action pushbutton switches are a shorter behind panel version of OTTO's LP3-V series. The LP3S-V offers the same case styles, circuit ratings and button types as the LP3-V, but with shorter construction. An excellent choice when space is limited, the LP3S-V switch is designed to provide attractive, lighted position indication for demanding applications, where security and reliability are crucial. The series features both aluminum and stainless steel cases with a watertight to IP68S and IP69K option.

This shorter, yet highly reliable switch offers the durability and ruggedness our customers have come to expect with the added benefit of illumination. The LP3S-V is ideal for marine, off-highway and industrial control applications that require a rugged sealed illuminated switch.

This switch offers positive tactile feedback and a variety of LED colors available in both flat and domed actuator bezel shapes.

## Features:

- **Security (aluminum) or vandal resistant (stainless steel case & button)**
- **Shorter behind panel version of OTTO's LP3-V**
- **Ring illuminated**
- **Watertight to IP68S and IP69K option**
- **Variety of button options and LED colors**
- **Drop in replacement to the LP3-V and P8-V series**
- **RoHS compliant**



### Standard Characteristics/Ratings:

#### ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC	Cycles
Resistive	5A	25,000
Inductive	3A	25,000
Lamp	1A	25,000
Motor	3A	25,000
DVV	1000Vrms through switch contacts only	
Logic Level	10mA @ 5VDC	250,000

#### LIGHTING:

Light Source Voltage (DC)	Actual Voltage Nominal (DC)	Voltage Max (DC)
2**	2	2.5
12	12	14
24	24	28.6

**Mechanical Life:** 250,000 cycles

**Seal:** IP64 or IP68S and IP69K

**Operating Temp Range:** -55°C to +85°C

**Operating Force:** 2.5 +/- 0.5 lb. or 4.0 +/- 1.0 lb.

**Total Travel:** 0.080 inches +/- 0.015

**Overtravel:** 0.010 inches min

#### MATERIALS:

**Case:** Stainless steel (316) or anodized aluminum alloy

**Button:** Thermoplastic

**Center Cap:** Stainless steel (316) or anodized aluminum alloy

**Mounting Hardware:** Hex nut, lockwasher and panel seal gasket (watertight only)

## LP3S-V PART NUMBER CODE

Type	Case Style*	Circuit Rating	Light Source Type** w/ Rev. Pol Protection	Seal Level	Operating Force	Case/Center Cap Color	Button Profile
A. Aluminum	1. 5/8-24 & Hex Nut	1. SPST N.O./Std.	A. 2V Red LED	2. Dusttight	2. 2.5±0.5 lbs.	1. Silver	1. High Profile Flat Button
V. Stainless	3. 5/8-24 W/D-Flat & Hex Nut	3. SPDT 2 Circuit/Std.	B. 2V Green LED	3. Watertight	4. 4.0±1.0 lbs.	2. Black***	2. High Profile Curved Button
	5. 3/4-20 & Hex Nut	4. SPST N.O./Logic Level	C. 2V Amber LED				3. Low Profile Flat Button
	7. 3/4-20 W/D-Flat & Hex Nut	6. SPDT 2 Circuit/Logic Level	G. 12V Red LED				4. Low Profile Curved Button
			H. 12V Green LED				5. Flush Profile Flat Button
			J. 12V Amber LED				
			K. 24V Red LED				
			L. 24V Green LED				
			M. 24V Amber LED				
			N. 2V Blue LED				
			Q. 12V Blue LED				
			R. 24V Blue LED				
			S. 2V Deep Green LED				
			U. 12V Deep Green LED				
			V. 24V Deep Green LED				
			W. 2V White LED				
			X. 12V White LED				
			Y. 24V White LED				

\*For Knurl nut options, consult factory

CASE STYLE		
DIMENSION	1 & 3	5 & 7
(BUTTON DIA.)	0.525	0.590
(THREAD)	5/8-24 UNEF-2A	3/4-20 UNEF-2A
FLAT	0.594	0.718

\*\*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.

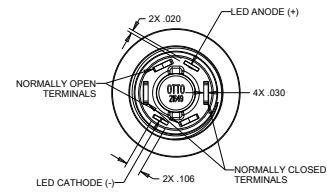
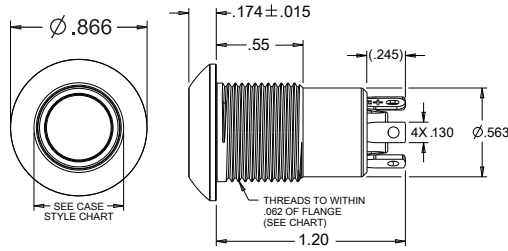
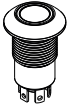
For additional LED lighting options, contact factory.

\*\*\* Only available on LP3S-A styles.

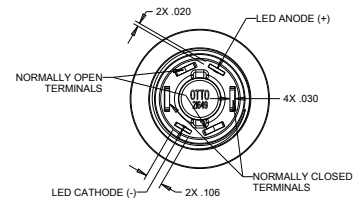
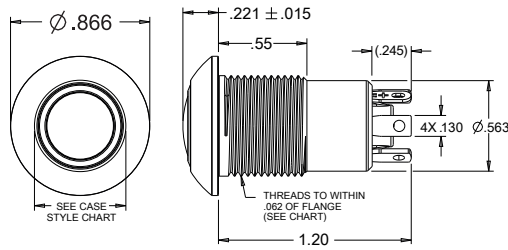
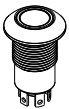
# ILLUMINATED VANDAL RESISTANT PUSHBUTTONS

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

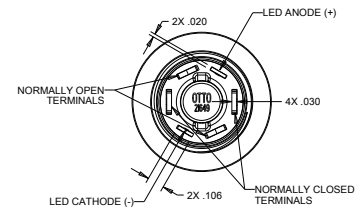
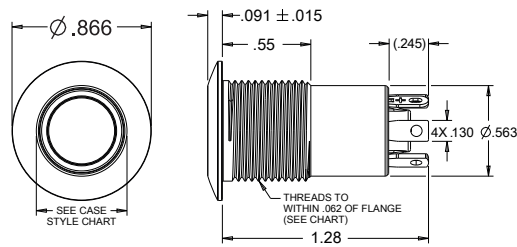
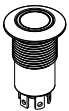
**LP3S-XXXXXXX1**  
High Profile Flat Button



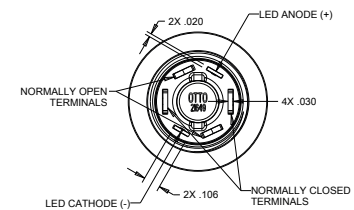
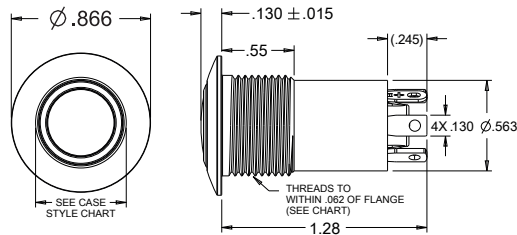
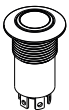
**LP3S-XXXXXXX2**  
High Profile Curved Button



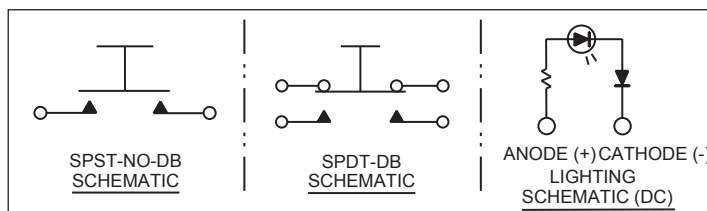
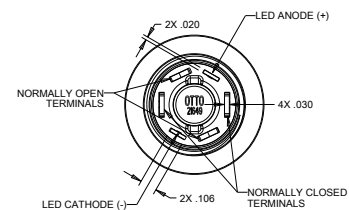
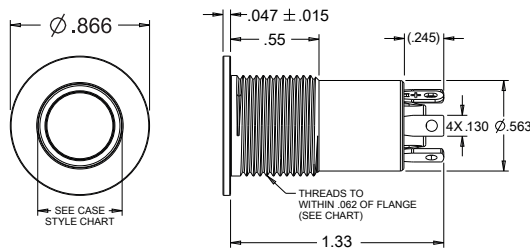
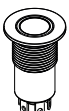
**LP3S-XXXXXXX3**  
Low Profile Flat Button



**LP3S-XXXXXXX4**  
Low Profile Curved Button



**LP3S-XXXXXXX5**  
Flush Profile Flat Button



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