SHORTER ILLUMINATED PUSHBUTTONS

SHORTER, SEALED, MOMENTARY ACTION, COMMERCIAL GRADE, LED ILLUMINATED

The LP3S series of momentary action, LED illuminated pushbutton switches offer most of the same features as the LP3 series, but are about 5/8" shorter behind panel.

High contact pressure and extremely low contact bounce are the result of the OTTO snap-action mechanism. Extra long electrical life and precise trip point offer added value and precision operation.

On sealed models, a silicone boot protects the contact area against contamination. This boot provides long life and smooth operation over a wide temperature range. Sealed terminals protect the contact area from hostile environments and solder flux on both sealed and unsealed models.

Standard LED illumination color choices include red, green, amber, blue, deep green and white. This precision snap-action switch is designed for use in grips and other applications with limited space in off-highway, material handling, industrial controls, marine, medical and demanding commercial industries.

Features:

- Shorter version of OTTO's LP3 series
- Watertight to IP68S and IP69K, moistureproof & dusttight to IP64, or unsealed
- LED lighted with the ability to accommodate 2, 12 & 24VDC power & includes reverse voltage protection
- Tall & dome style buttons permitting printed legends
- Logic level option
- Quick disconnect terminals
- 5/8" thread, press fit & dome case options
- RoHS compliant





ELECTRICAL RATINGS: Load Sea Level @ 28VDC Cycles Resistive 5A 25,000 Inductive 3A 25,000 Lamp 1A 25,000 Motor 3A 25,000 DWV 1000Vrms through switch contacts only Logic Level 10mA @ 5VDC 250,000 LIGHTING: Light Source Voltage (DC) Actual Voltage Nominal (DC) 2* 2 2.5 12 12 12 12 12 14 24 24 24 28.6 Mechanical Life: 250,000 cycles Seal: Unsealed, 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: Anodized aluminum alloy Button: Thermoplastic Center Cap: Anodized aluminum alloy Mounting Hardware: Hex nut, lockwasher and panel seal gasket (watertight only)	Standard Characteristics/Ratings:								
Resistive 5A 25,000 Inductive 3A 25,000 Lamp 1A 25,000 Motor 3A 25,000 DWV 1000Vrms through switch contacts only Logic Level 10mA @ 5VDC 250,000 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: Unsealed, 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: Anodized aluminum alloy Button: Thermoplastic Center Cap: Anodized aluminum alloy	ELECTRICAL RATINGS:								
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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: Anodized aluminum alloy Button: Thermoplastic Center Cap: Anodized aluminum alloy	Mechanical Life:	echanical Life: 250,000 cycles							
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Case: Anodized aluminum alloy Button: Thermoplastic Center Cap: Anodized aluminum alloy	Overtravel:	0.010 inches min							
Button: Thermoplastic Center Cap: Anodized aluminum alloy	MATERIALS:								
Center Cap: Anodized aluminum alloy	Case:	Anodized aluminum alloy	Anodized aluminum alloy						
	Button:	Thermoplastic	Thermoplastic						
Mounting Hardware: Hex nut, lockwasher and panel seal gasket (watertight only)	Center Cap:	Anodized aluminum alloy	Anodized aluminum alloy						
3	Mounting Hardware:	gasket (watertight only)							

LP3S PART NUMBER CODE								
LP3S	- X X	X	X	X	X	X -	XX	
Туре	Circuit Rating	Light Source Type*	Seal Level	Operating Force	Case Color	Translucent Button Color	Legend Style	
E. Exposed Flush Dome Button F. Flush Dome R. Raised Dome 1. Press Fit Mount 3. Front Mount 6. Rear Mount	1. SPST N.O./Std. 3. SPDT 2 Circuit/Std. 4. SPST N.O./Logic Level 6. SPDT 2 Circuit/Logic Level	A. 2V Red LED B. 2V Green LED C. 2V Amber LED G. 12V Red LED H. 12V Green LED J. 12V Amber LED K. 24V Red LED	1. Unsealed 2. Dusttight 3. Watertight	2. 2.5 +/- 0.5 lbs. 4. 4.0 +/- 1.0 bs.	1. Silver 2. Black	A. Amber R. Red W. White	Refer to Legend Table for SAE legend codes in Appendix. Legends will be printed in white on amber, red, green and blue buttons and in black on white buttons.	
		L. 24V Green LED M.24V Amber LED N. 2V Blue LED Q. 12V Blue LED		STOP HERE for <u>illuminated</u> switches <u>without legends</u> .				
		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	appendix t Green and (W. White	*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. Green and Blue LEDS are recommended for use with Translucent Button color (W. White) only For additional LED lighting options, contact factory.				

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