

SEALED AGAINST DUST & MOISTURE

<p>High Profile, Flat Button Bezel Profile/Button Style 1</p>	<p>Low Profile, Curved Button Bezel Profile/Button Style 4</p>															
<p>High Profile, Curved Button Bezel Profile/Button Style 2</p>	<p>Flush Mount, Flat Button Bezel Profile/Button Style 5</p>															
<p>Low Profile, Flat Button Bezel Profile/Button Style 3</p>	<table border="1"> <thead> <tr> <th colspan="3">Case Style</th> </tr> <tr> <th>Dimension</th> <th>1 - 4</th> <th>5 - 8</th> </tr> </thead> <tbody> <tr> <td>A (Button Dia.)</td> <td>Ø .525</td> <td>Ø .590</td> </tr> <tr> <td>B (Thread)</td> <td>0.625-24 UNEF-2A</td> <td>0.750-20 UNEF-2A</td> </tr> <tr> <td>D-Flat</td> <td>.594</td> <td>0.718</td> </tr> </tbody> </table>	Case Style			Dimension	1 - 4	5 - 8	A (Button Dia.)	Ø .525	Ø .590	B (Thread)	0.625-24 UNEF-2A	0.750-20 UNEF-2A	D-Flat	.594	0.718
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P5-V PART NUMBER CODE

Type	Thread*	Terminal Style/ Bezel Color	Circuit Form/ Contact Material	Seal	Bezel Profile/ Button
V. Stainless	1. 5/8-24 & Hex Nut	1. Solder Terminal/Silver	1. SPST/Silver	1. Dusttight	1. High Profile/Flat Button
A. Aluminum	3. 5/8-24 W/D-Flat & Hex Nut	2. Screw Terminal/Silver ②	2. SPST/Gold	2. Watertight	2. High Profile/Curved Button
	5. 3/4-20 & Hex Nut	3. Solder Terminal/Black ①	3. SPDT/Silver		3. Low Profile/Flat Button
	7. 3/4-20 W/D-Flat & Hex Nut	4. Screw Terminal/Black ① ②	4. SPDT/Gold		4. Low Profile/Curved Button
					5. Flush Profile

* For Knurl Nut Thread options, contact factory.
 ① Only Available on P5-A Styles.
 ② Screw terminals available on SPST circuits only.

MOMENTARY ACTION, SEALED SUBMINIATURE PUSHBUTTON SNAP-ACTION SWITCHES

The P7 series incorporates OTTO's patented double break design in a significantly smaller package than the P1 series. These subminiature switches embrace today's technology requirements by allowing for a large number of switches to fit within a faceplate or a small panel space.

The long life snap-action design offers low contact resistance (25mΩ max initial) and is protected from the environment by a silicone rubber boot, operating on a "rolling sleeve" principle that gives long sealed life and smooth operation.

The P7 series is designed to meet the requirements of MIL-PRF-8805 including low level switching (10mA @ 30mV) with power switching up to 5 amps at 28VDC as well.

A variety of mounting styles are offered to best match the application. The P7-1, P7-2, P7-7 and P7-8 case styles feature a swaged bushing shape to allow press fit installation in aircraft flight control and hand grips and similar applications. The other styles feature threaded bushing mounting. The P7-3 and P7-A case styles have a front panel bezel, while the P7-5 and P7-6 have conventional bushings for rear panel mounted installations. Silver or black bezels are standard. Other colors available on special order.

Pushbuttons are available in a choice of nine colors. Excellent tactile feedback assures the operator that contact transfer has been made.

A choice of MIL-SPEC and commercial versions of these switches are offered: Moistureproof and dusttight to IP64 and MIL-PRF-8805 Design 2 or watertight to IP68S and to MIL-PRF-8805 Design 3.

Features:

- **Low level switching capability**
- **Less than 25mΩ contact resistance**
- **High contact pressure**
- **6 circuit variations**
- **Positive tactile feedback**
- **Variety of mounting styles**
- **Square button option with case style A**
- **Qualified to MIL-PRF-8805/110**
- **Moistureproof and dusttight to IP64 and MIL-PRF-8805 Design 2 or Watertight to IP68S and MIL-PRF-8805 Design 3**
- **RoHS/WEEE/Reach compliant**



Standard Characteristics/Ratings:

ELECTRICAL RATINGS:	Sea Level @ 28VDC or 115VAC, 60Hz			50,000 feet @ 28VDC or 115VAC, 60Hz				
	Load	Circuits:	1 & 2	3-5	6	1 & 2	3-5	6
Resistive		5A	2.5A	4A	5A	2.5A	4A	
Inductive		3A	1.5A	2A	3A	1.5A	2A	
Lamp		1A	0.5A	N/A	N/A	N/A	N/A	
Motor		3A	1.5A	N/A	N/A	N/A	N/A	
DWV			1050Vrms			400Vrms		
Center Contact		3A max						
Low Level		10mA @ 30mV						
Electrical Life:		25,000 cycles						
Mechanical Life:		1,000,000 cycles						
Seal:		Moistureproof and dusttight to IP64 and MIL-PRF-8805 Design 2 or Watertight to IP68S and MIL-PRF-8805 Design 3						
Operating Temp Range:		-55°C to +85°C						
Operating Force:		1.7 +/- 0.5 lb.						
Total Travel:		0.080 inches max						
Overtravel:		0.010 inches min						
MATERIALS:								
Case:		Anodized aluminum alloy						
Button:		Thermoplastic						
Terminals:		Brass with gold over silver						
Terminal Hardware:		None provided						
Mounting Hardware:		Hex nut, lockwasher and panel gasket when applicable						