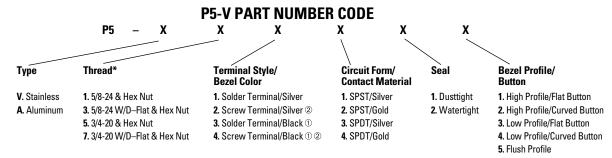
SEALED AGAINST DUST & MOISTURE

High Profile, Flat Button Low Profile, Curved Button Bezel Profile/Button Style 1 Bezel Profile/Button Style 4 2X 1.45 MAX. -Ø.88 Ø.87 -1.47 MAX.-Ø.57 Θŀ 0 $\emptyset.565$ **High Profile, Curved Button** Flush Mount, Flat Button Bezel Profile/Button Style 2 Bezel Profile/Button Style 5 1.39 MAX. -1.39 MAX. Ø.87 .24 0 -o}|∅ .57 \emptyset .57 В Ø.88 Low Profile, Flat Button Bezel Profile/Button Style 3 .718 1.40 MAX. .08 .03 TYP ALL TERM STYLES .625-24 UNEF-2A .750-20 UNEF-2A \emptyset .57 0 Case Style Dimension 1 - 4 5 - 8 A (Button Dia.) Ø .525 Ø .590 Ø.88 B (Thread) 0.625-24 UNEF-2A 0.750-20 UNEF-2A **D-Flat** .594 0.718



- * 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 ($25m\Omega$ 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:			vel @ 28 /AC, 60H		50,000 feet @ 28VDC or 115VAC, 60Hz			
Load Circi	uits:	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:	1,00	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:	0.08	0.080 inches max						
Overtravel:	0.01	0.010 inches min						
MATERIALS:								
Case:	And	Anodized aluminum alloy						
Button:	The	Thermoplastic						
Terminals:	Bra	Brass with gold over silver						
Terminal Hardware:	Nor	None provided						
Mounting Hardware:	Hex	nut, locl	kwasher	and panel gas	sket wher	n applica	ble	