COMMERCIAL & MILITARY GRADES

MOMENTARY ACTION, SEALED SUB-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 allow the switch density today's technologies require in control grips and panels.

The long life snap-action design is protected from the environment by a silicon 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 case style has 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.

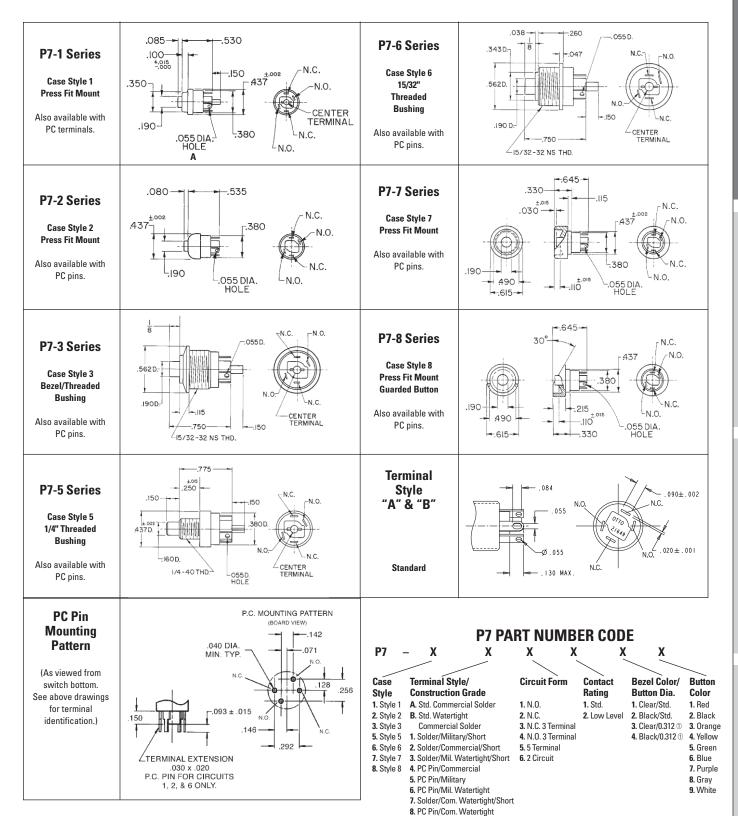
Features:

- Low level switching capability
- Less than 25m Ω contact resistance
- High contact pressure
- Six circuit variations
- Positive tactile feedback
- Variety of mounting styles
- Qualified to MIL-PRF-8805/110
- Moistureproof & dusttight to IP64 & MIL-PRF-8805
 Design 2 or watertight to IP68S & MIL-PRF-8805
 Design 3



Standard Charac	teristic	s/Ratin	ıgs:					
ELECTRICAL RATINGS:		Sea Le	vel @ 28	BVDC	50,000	50,000 feet @ 28VDC		
Load Ci	rcuits:	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:	1,0	1,000,000 cycles						
Seal:		IP64 and MIL-PRF-8805 Design 2 or IP68S and MIL-PRF-8805 Design 3						
Operating Temp Rang	ge: -55	-55°C to +85°C						
Operating Force:	1.7	1.7 +/- 0.5 lb.						
Total Travel:	0.0	0.080 inches max						
Overtravel:	0.0	0.010 inches min						
MATERIALS:								
Case:	An	Anodized aluminum alloy						
Button:	The	Thermoplastic						
Terminals:	Bra	Brass with gold plate over silver plate						
Terminal Hardware:	No	None provided						
Mounting Hardware:	He	Hex nut, lockwasher and panel gasket when applicable						

SEALED AGAINST DUST & MOISTURE, LOW LEVEL SWITCHING OPTION



① Not available with Case Styles 1, 2 & 5.