COMMERCIAL & MILITARY GRADES

P7 SUBMINIATURE PUSHBUTTONS

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:

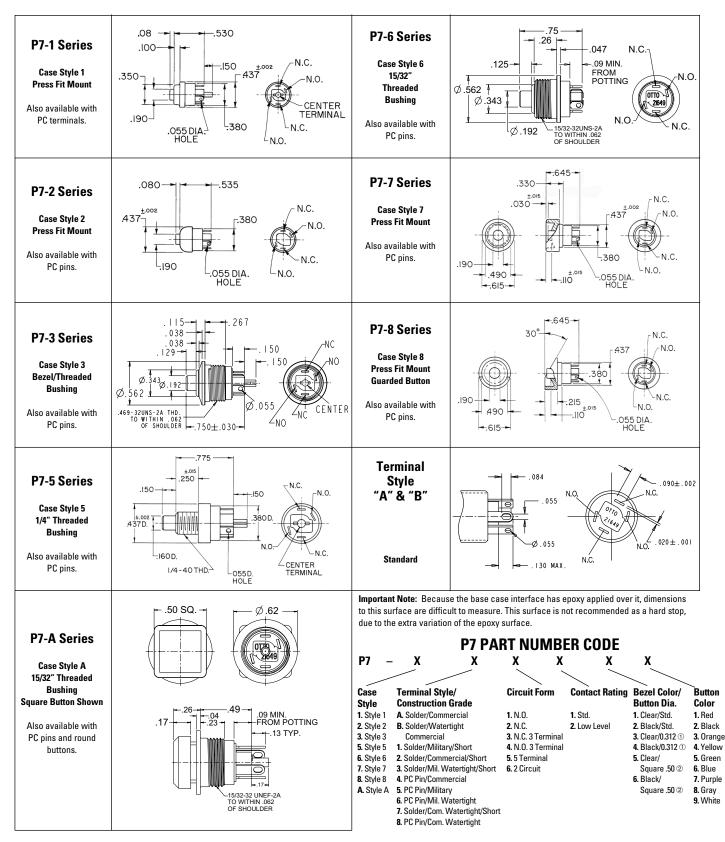
- Low level switching capability
- Less than 25mΩ contact resistance
- High contact pressure
- 6 circuit variations
- Positive tactile feedback
- Variety of mounting styles
- Square button option with case style A
- Qualified to MIL-PRF-8805/110
- Moistureproof and dusttight to IP64 and MIL-PRF-8805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



Standard Characteristics/Ratings:							
ELECTRICAL RATINGS:		Sea Level @ 28VDC or 115VAC, 60Hz			50,000 feet @ 28VDC or 115VAC, 60Hz		
Load Circ	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				IS	
Center Contact		3A max					
Low Level		10mA @ 30mV					
Electrical Life:	25,000 cycles						
Mechanical Life:	1,000,000	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	-55°C to +85°C					
Operating Force:	1.7 +/- 0.	1.7 +/- 0.5 lb.					
Total Travel:	0.080 inc	0.080 inches max					
Overtravel:	0.010 inc	0.010 inches min					
MATERIALS:							
Case:	Anodized	Anodized aluminum alloy					
Button:	Thermop	Thermoplastic					
Terminals:	Brass wi	Brass with gold over silver					
Terminal Hardware:	None pro	None provided					
Mounting Hardware:	Hex nut, lockwasher and panel gasket when applicable						

MINI-SIZED PER MIL-PRF-8805/110

SEALED AGAINST DUST & MOISTURE, LOW LEVEL SWITCHING OPTION



1 Not available with Case Styles 1, 2 & 5

② Available with Case Style A only