MINI-SIZED PER MIL-PRF-8805/110

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. Mechanical life is 2 million operations.

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 initial 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
- Mechanical life is 2 million cycles
- Moistureproof and dusttight to IP64 and MIL-PRF-8805 Design 2 or Watertight to IP68S and MIL-PRF-8805 Design 3
- RoHS compliant

Ihr offizieller Vertriebspartner



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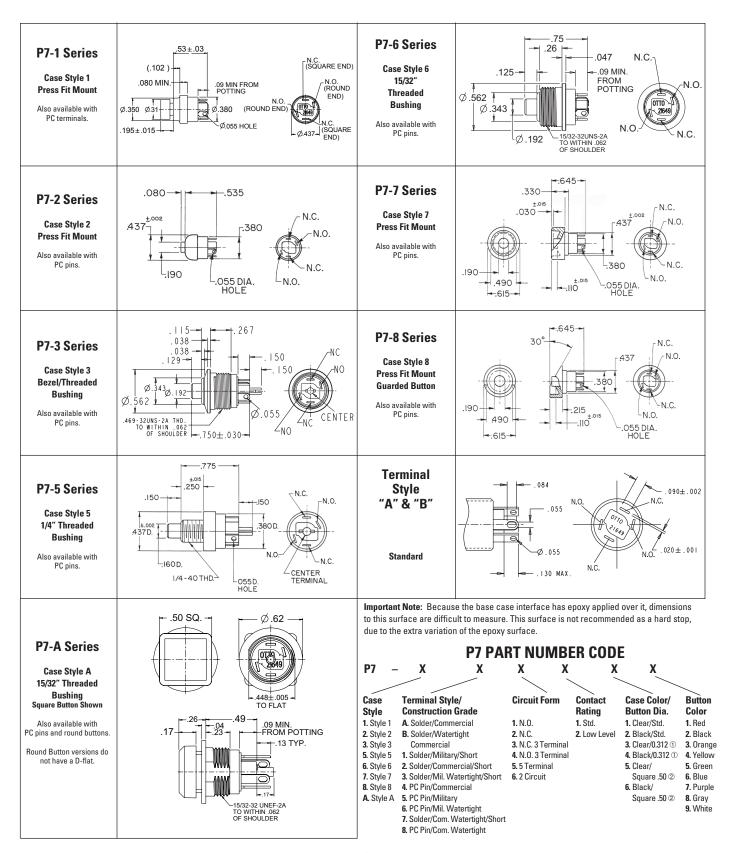
Standard Characteristics/Ratings: ELECTRICAL RATINGS: Sea Level @ 28VDC

ELECTRICAL RATINGS:		Sea Level @ 28VDC			50,000	50,000 feet @ 28VDC		
		or 115VAC, 60Hz			or 115\	or 115VAC, 60Hz		
Load Circu	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			1050Vrm	IS		400Vrm	IS	
Center Contact		3A max						
Low Level		10mA @ 30mV						
Electrical Life:	50,0	50,000 cycles full load (25,000 low level)						
Mechanical Life:	2,00	2,000,000 cycles						
Seal:		Moistureproof and dusttight to IP64 and MIL-PRF-8805						
	Des	sign 2 or V	Watertig	ht to IP68S an	d MIL-PR	F-8805 D	esign 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:	No	None provided						
Mounting Hardware:	Hex	Hex nut, lockwasher and panel gasket when applicable						

E0 000 fact @ 20\/DC

COMMERCIAL & MILITARY GRADES

SEALED AGAINST DUST & MOISTURE, LOW LEVEL SWITCHING OPTION



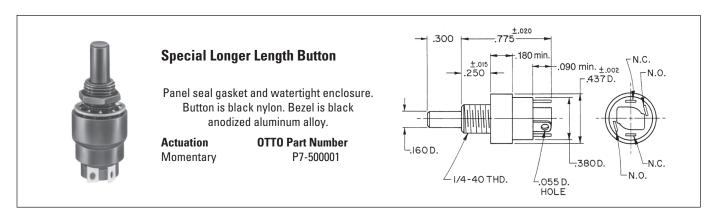
1 Not available with Case Styles 2 & 5

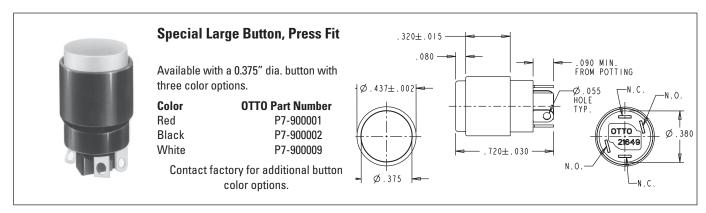
2 Available with Case Style A only

NOTEWORTHY DESIGNS

P7 NOTEWORTHY PUSHBUTTONS

EXAMPLES OF CUSTOMIZED P7 SEALED PUSHBUTTONS





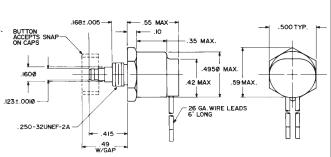
Special Snap-On Button, Wire Leads

Features changeable snap-on button caps available in two diameters and in a range of colors. Switch is splashproof sealed per MIL-PRF-8805 and is supplied with a silicone panel gasket.

Part Number: P7-500018

Button Color	0.440" Dia.	0.375" Dia.
Red	C400725-1	C400723-1
Black	C400725-2	C400723-2
Orange	C400725-3	C400723-3
White	C400725-9	C400723-9

Contact factory for additional button color options.



Mini Pushbutton, Shrouded Ø.490--090 MIN FROM POTTING This shrouded pushbutton is designed to reduce the chance of inadvertant actuation. Button size 48±.005 190 is .19". Enclosure design is watertight per IP68S. TO FLAT **OTTO Part Number** Actuation -Ø.055 HOLE TYP. P7-900196 Momentary .01 Ø.615 -.468-32 UNS-2A THREAD TO WITHIN .062 OF .195 SHOULDER