COMMERCIAL & MILITARY GRADES

SUBMINIATURE PUSHBUTTONS

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 embrace today's technology requirements by allowing for a large number of switches to fit within a faceplate.

The long life snap-action design is protected from the environment by a silicon rubber boot, operating on a patented "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 25mΩ contact resistance
- High contact pressure
- 6 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
- RoHS/WEEE/Reach compliant

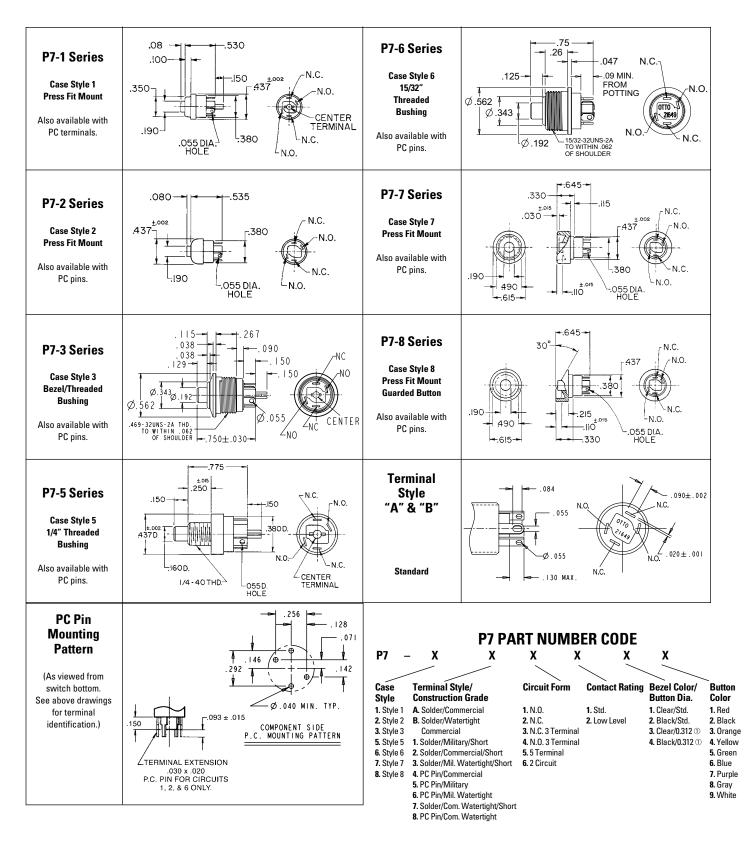


Standard Characteristics/Ratings:

ELECTRICAL RATINGS:		Sea Le	vel @ 28	BVDC	50,000	50,000 feet @ 28VDC		
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			IS			
Center Contact		3A max						
Low Level		10mA @ 30mV						
Electrical Life:	25,0	25,000 cycles						
Mechanical Life:	1,00	1,000,000 cycles						
Seal:		IP64 and MIL-PRF-8805 Design 2 or IP68S and MIL-PRF-8805 Design 3						
Operating Temp Ra	nge: -55	°C to +85	i°C					
Operating Force:	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 over silver						
Terminal Hardward	e: No	ne provic	led					
Mounting Hardwa	re: Hex	Hex nut, lockwasher and panel gasket when applicable						

MINI-SIZED PER MIL-PRF-8805/110

SEALED AGAINST DUST & MOISTURE, LOW LEVEL SWITCHING OPTION

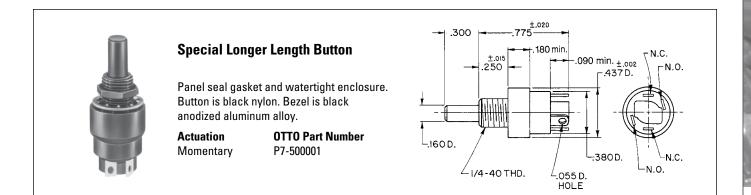


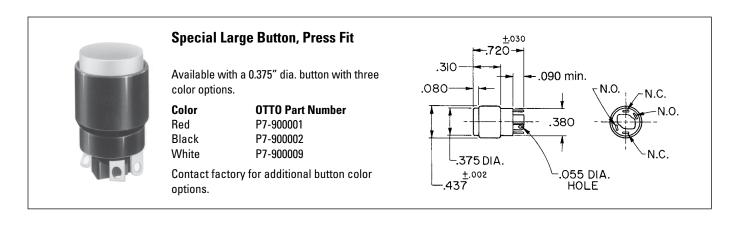
1 Not available with Case Styles 1, 2 & 5.

SPECIAL PURPOSE DESIGNS

PUSHBUT

EXAMPLES OF CUSTOMIZED P7 SEALED PUSHBUTTONS





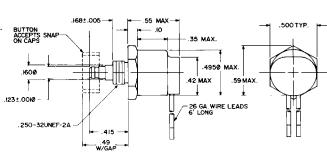
Special Snap-On Button, Wire Leads

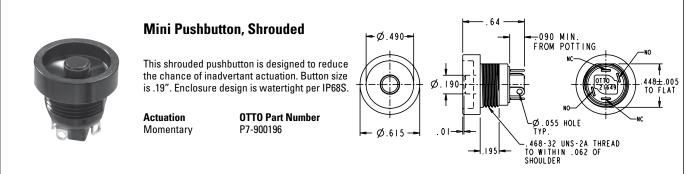
Features changeable snap-on button caps available in two diameters and in a range of colors. Switch is splashproof sealed per MIL-PRF-8805 and is supplied with a silicone panel gasket.

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.





PUSHBUTTONS

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

OTTO:

P7-3B6121P7-3B6122P7-5B6121P7-5B6122P7-6B6121P7-6B6122P7-511122P7-561128P7-351122P7-656122P7-331142P7-536122P7-3B6142P7-112221P7-821112P7-821126P7-821129P7-626122P7-656221P7-712122P7-734122P7-751122P7-751122P7-814129P7-551222P7-555111P7-571225P7-5B1121P7-5B1122P7-616242P7-8A1129P7-811222P7-511125P7-515126P7-536111P7-381244P7-3A1128P7-3A1242P7-824126P7-836229P7-8A1121P7-332124P7-371229P7-371244P7-376121P7-376225P7-381241P7-316121P7-321141P7-326146P7-326244P7-331149P7-331249P7-534111P7-311125P7-311126P7-311141P7-311148P7-314221P7-5A1121P7-516126P7-521219P7-521211P7-511111P7-534121P7-551229P7-576121P7-831128P7-876221P7-3B6123P7-3B6225P7-7A1142P7-811122P7-811226P7-814121P7-816119P7-816228P7-3B1124P7-3B1149P7-3B6242P7-515128P7-515221P7-522119P7-741123P7-746122P7-371243P7-375222P7-3A1142P7-3A1144P7-611229P7-621221P7-631146P7-632122P7-651122P7-722122P7-1B1224P7-231221P7-236222P7-256221P7-256221P7-256221P7-256221P7-256221P7-251222P7-1B1224