P7 SUBMINIATURE PUSHBUTTONS

COMMERCIAL AND MILITARY GRADES

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-S-8805 including low level switching (10 mA @ 30 mV) with power switching up to 5 amps at 28 VDC 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 series 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 had 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. Watertight to IP68. Watertight to MIL-PRF-8805 Design 3. Consult the ordering code to specify.

Quality Features:

- Low level switching capability
- Low contact resistance: .025 ohms max
- High contact pressure
- Six circuit variations
- Positive tactile feedback
- Variety of mounting styles
- Sealed against dust and moisture
- Qualified to MIL-PRF-8805/110
- Watertight IP68 available

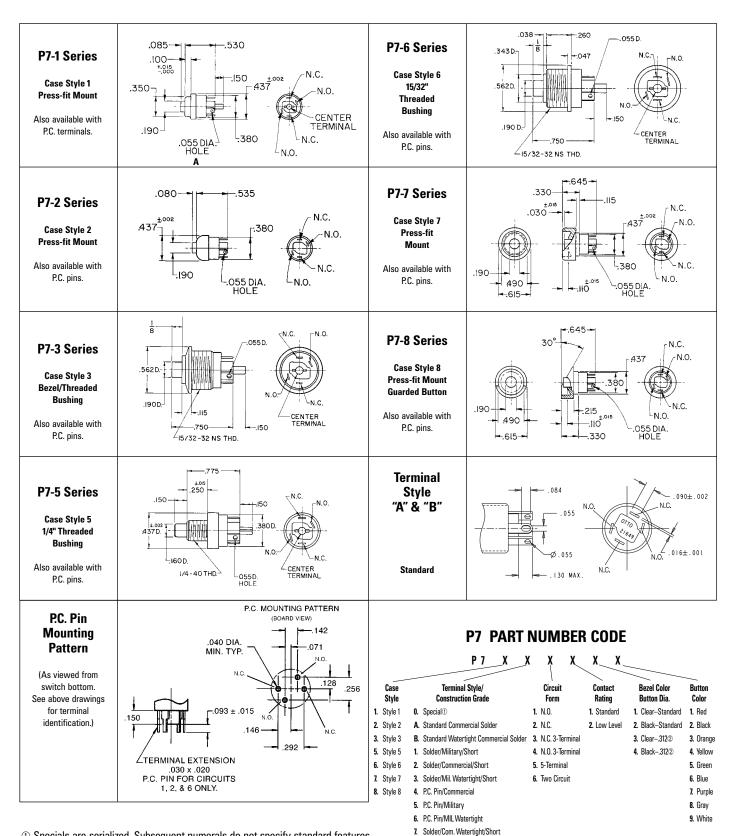


Standard Characteristics/Ratings:			
ELECTRICAL: (at 28 VDC or 115 VAC, 60/400 Hz.)			
LOAD	SINGLE CIRCUIT	2-CIRCUIT	
Resistive	5 Amps	4 Amps	
Inductive	3 Amps	2 Amps	
Lamp	2 Amps	_	
Low Level Option:	30 mV @ 10 ma. for 25,000 cycles		
MATERIALS:			
Case:	Aluminum alloy, anodized		
Button:	Thermoplastic		
Seal:	Internal silicone rubber		
Terminals:	The terminals are suitable for soldering		
OPERATIONAL:			
Operating Force:	1.7 lbs. ±.5 lbs. Also available 12oz. ±4oz on special orde	r	
Mechanical Life:	1,000,000 cycles		
Electrical Life:	25,000 cycles		
Dielectric Withstanding:	1050 Vrms.		
Temperature Range:	-55°C to +85°C		

MINI SIZED PER MIL-PRF-8805/110

P7 SUBMINIATURE PUSHBUTTONS

SEALED AGAINST DUST AND MOISTURE, LOW LEVEL SWITCHING OPTION



8. P.C. Pin/Com. Watertight

 \odot Specials are serialized. Subsequent numerals do not specify standard features. \circledcirc Not available with Case Style 1, 2 and 5.

Specifications Subject To Change Without Notice

SPECIAL PURPOSE DESIGNS

EXAMPLES OF CUSTOMIZED P7 SEALED PUSHBUTTONS

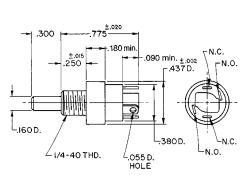


black nylon. Bezel is black anodized aluminum alloy.

Special Longer Length Button

Panel seal gasket and watertight enclosure. Button is

Available in two versions:ActuationOTTO Part NumberMomentaryP7-500001Push-Pull MaintainedP7-500017



P7-500001, Momentary P7-500017, Push-Pull 160Ø

.300



Special Large Button, Press Fit

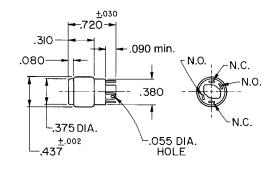
Available with a .375" dia. button with three color options. Color OTTO Part Number

OTTO Part P7-900001 P7-900002 P7-900009

Red

Black White

Contact Factory for additional button color options





Special Snap-On Button, Wire leads

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

Part Number: P7-500018			
.440" Dia.	.375" Dia.		
400725-1	400723-1		
400725-2	400723-2		
400725-3	400723-3		
400725-9	400723-9		
	. 440" Dia. 400725-1 400725-2 400725-3		

Contact factory for additional button color options

