MOMENTARY ACTION, SEALED, SNAP-ACTION, DOUBLE BREAK

Makes and breaks every time! Less than $25m\Omega$ contact resistance because the OTTO design features inherent rocking action that breaks welds and wipes contacts clean.

The P3 is the commercial version of the P1 Pushbutton switch, offering vastly improved life under extreme conditions found in some industrial environments. The pushbutton is sealed by a silicone boot operating on our patented "rolling sleeve," providing longer life and smoother operation over a wide temperature range. Epoxy protects the contacts and terminals from hostile environments and solder flux.

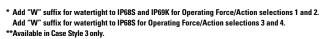
High contact force (120g/4.2 oz), low contact resistance ($25m\Omega$ max) and short contact bounce are the result of our snapaction mechanism. These characteristics provide exceptional current carrying capabilities over the life of the switch. With the optional low level (gold plate) configuration, the P3 is well suited to interface directly to computers and other solid state devices.

Watertight sealing is available by simply adding "W" to your part number. Because the P3 is a double break switch, wide connection possibilities, longer life and greater capacity are offered. The P3 design provides a unique terminal connection to the moving element for added flexibility. Special versions can be provided with five terminals to control up to four circuits.

Features:

- Button sealed with patented "rolling sleeve" principle
- Contact area sealed at button & terminals
- Less than 25mΩ contact resistance
- Positive tactile feedback
- Engraved buttons & bezels available
- UL recognized & CSA certified
- 1 million mechanical cycle life
- Watertight to IP68S available in all versions
- Watertight to IP69K available in non push-pull versions
- RoHS/WEEE/Reach compliant

	P3 PART NUMBER CODE				
P3 –	X X	X	X X	*	
Case Style	Terminal Style/Rating	/ Circuit Form	Operating Force/Action	Button Color	
1. Style 1 3. Style 3	1. Solder/Std. 2. Screw/Std.	1. N.O. 2. N.C.	1. 2.5 lbs./Momentary 2. 4.0 lbs./Momentary	1. Red 2. Black	
6. Style 6 7. Style 7	3. Solder/Low Level 4. Screw/Low Level	3. N.C. 3 Terminal 4. N.O. 3 Terminal	3. Push-Pull 4. Push-Pull	3. Orange 4. Yellow	
8. Style 8		5. 5 Terminal 6. 2 Circuit	High Force**	5. Green 6. Blue 7. Purple 8. Gray	
				White	

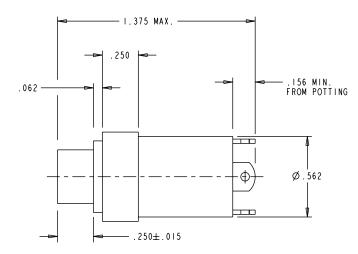




	Sea Level @ 28VDC	50,000 feet @ 28VDC	Cycles	
	or 115VAC, 60/400Hz	or 115VAC, 60/400Hz N/A	100.000	
	5A	5A	100,000	
	3A	N/A	100,000	
	3A max	N/A	100,000	
	1050Vrms	400Vrms	100,000	
	10mA @ 30mV max DC o			
		•		
Electrical Life:	25,000 or 100,000 cy High Force Push Pu	cles (depending on config III 5,000 cycles	uration)	
Mechanical Life:	1 million cycles, cir 100,000 cycles, circ High Force Push Pu	uit forms 3, 4 & 5		
Seal:	IP64 or IP68S and II IP64 or IP68S on pu	****		
Shock:	MIL-STD-202, meth	od 207		
Operating Temp Rang	ge: -55°C to +85°C	-55°C to +85°C		
Operating Force:	2.5 lbs. or 4.0 lbs. Push-Pull: .5 to 2.0 l Push-Pull High Ford			
Reset Force:	0.75 lb. min or 1.0 lb			
Total Travel:	0.085 +/- 0.015 inch	es		
Overtravel:	0.012 inches min	0.012 inches min		
Movement Differenti	al: 0.015 inches min	0.015 inches min		
MATERIALS:				
Case:	Anodized aluminum	Anodized aluminum alloy		
Button:	Thermoplastic			
Terminals:	Brass with silver, g	old for low level		
Terminal Hardware:	Screws, lockwasher	and terminal lug for screw	terminal optic	
Mounting Hardware:	Hox put lookwashe	r and panel seal when ap	nlicable	

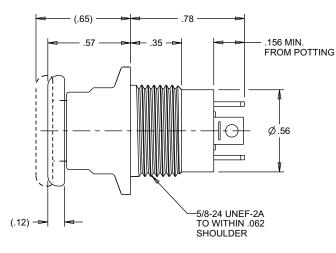
SEALED COMMERCIAL GRADE PUSHBUTTONS

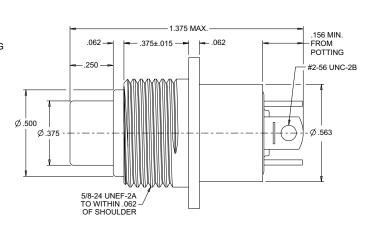
IDEAL FOR USE IN HEAVY MACHINERY & COMMERCIAL APPLICATIONS



Style P3-11_2

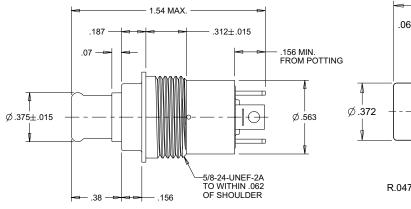
Style P3-33_3 Push-Pull

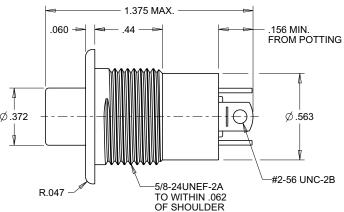




Style P3-33 4 Push-Pull High Force

Style P3-61_1





Style P3-71_3

Style P3-83_1

Special Shaped Bezel

Total Travel: 0.085" +/- 0.015"

Operating Force: 2.5, +0.5, -1.0 lb.

Reset Force: 0.75 lb. min

Circuit: SPNO-DB (Other circuits available)

Mechanical Life: 1,000,000 cycles

Button: Red nylon

Housing: Clear anodized aluminum

P3-30017



Special Journaled Button

Watertight to IP68S, black anodized case and thermoplastic button available in nine colors.

Circuit: SPNO-DB

Mechanical Life: 1,000,000 cycles Electrical Life: 100,000 cycles

P3-90308-X

(X denotes button color)



Special Large Round Button, Quick Connect Tab Terminals

Total Travel: 0.085" +/- 0.015"

Operating Force: 4.0 +/- 1.0 lb.

Reset Force: 1.0 lb. min

Circuit: SPNO-DB (Other circuits available)

Mechanical Life: 1,000,000 cycles

Button: Black nylon

Housing: Clear anodized aluminum

P3-30031



Large Diameter Button

Nine different button colors, black anodized protective shroud, watertight to IP68S.

Circuit: SPNO-DB

Mechanical Life: 1,000,000 cycles Electrical Life: 100,000 cycles at full load

P3-90207-X

(X denotes button color)



Special Right Angle, Quick Connect Tabs, P3-6 Style

Total Travel: 0.085" +/- 0.015"

Operating Force: 2.5, +0.5, -1.0 lb.
Reset Force: 0.75 lb. min
Circuit: SPN0-DB

Mechanical Life: 1,000,000 cycles

Button: Red nylon

Housing: Clear anodized aluminum

P3-60024



Special "H" Case with Round Shaped Button

Operating Force: 4.0 +/- 1.0 lb.

Reset Force: 1.0 lb. min

Circuit: SPNC-DB (Other circuits available)

Mechanical Life: 1,000,000 cycles

Button: Red nylon

Housing: Black anodized aluminum

P3-80016



Special Snap-In, Panel-Sealed, Rectangular Shaped Button

Total Travel: 0.125" max

Operating Force: 4.0 +/- 1.0 lb.

Reset Force: 1.0 lb. min

Circuit: SPNO-DB (Other circuits available)

Mechanical Life: 1,000,000 cycles

Button: Black polyester **Housing:** Clear anodized celenex

P3-90037



Large Diameter Button

Nylon button is 1.187". Snaps on to special style body with leads. Dusttight to IP64.

Operating Force: 2.5, +0.5, -1.0 lb.

Mechanical Life: 1,000,000 cycles

Rating: 10 amps Resistive

Circuit: SPDT 2 circuit

P3-30101-X



Protective Shroud

This pushbutton is designed to avoid accidental actuation of the switch. The shroud requires the operator to purposely operate the switch. The actuation occurs below the height of the protective shroud, thus protecting against unintentional actuation.

Same ratings and sealing characteristics as the standard P3 series.

SPNC is shown.

P3-90009



Emergency Stop Pushbutton PART NUMBER | BUTTON COLOR P330115-1 RFD P330115-2 P330115-3 BLACK ORANGE YELLOW Ø.875 P330115-4 P330115-5 GREEN P330115-6 BLUE P330115-7 P330115-8 VIOLET GRAY P330115-9 WHITE