

# ALTERNATE ACTION PUSHBUTTONS

## SEALED AGAINST DUST & MOISTURE

The P5 Alternate Action switches match the P1, P3 and P8 Momentary Action Pushbutton models for mixed function with common panel appearance. Now you can design panels with both alternate and momentary action switches and have uniform panel appearance. The P5 features alternate action in the same pushbutton and housing configuration as the momentary P1 and P3 and as a bonus, the P5 requires less space behind the panel than the P1 and P3 momentary versions.

Push and the P5 switch turns "on." Push again and the P5 switch turns "off." Positive tactile feedback is featured so the operator is clearly aware the switch mode has been executed. The button returns to the original position after each actuation.

To guard against front panel splash and dirt, the P5 series is sealed at the button with OTTO's patented "rolling sleeve" principle. The terminals are sealed with epoxy, providing a seal against flux during wiring and behind panel dirt and moisture. The combination of sealing provides smooth operation over a wide temperature range. Watertight sealing to IP68S is available.

A vandal resistant style is available in the P5-V series. Custom housings, shrouded buttons, contact configurations and materials are available to suit your application requirements. We also provide custom button engraving with epoxy ink backfill, watertight versions and other special characteristics.

## Features:

- Button sealed with "rolling sleeve" principle
- Contact area sealed at case & terminals
- Moistureproof & dusttight to IP64 & MIL-PRF-8805 Symbol 2, Symbol 3 or watertight to IP68S
- Handles logic level up to 5 amps
- Engraved buttons available
- Choice of 9 button & 3 bezel colors
- Panel appearance matches most other OTTO momentary pushbutton switches
- Unsealed construction also available
- RoHS compliant



## Standard Characteristics/Ratings:

### ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC, 60/400Hz
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Resistive	5A
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Inductive	3A
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Lamp	1A
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Motor	3A
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DWV	1000Vrms
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Logic Level	10mA @ 5VDC
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Electrical Life:	25,000 cycles at full load
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Mechanical Life:	1,000,000 cycles
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Seal:	Military	Commercial
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Unsealed	Symbol 1	Unsealed
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Dusttight	Symbol 2	IP64
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Watertight	Symbol 3	IP68S
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Operating Temp Range:	-55°C to +85°C
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Operating Force:	3.0 lbs. +/- 0.5 lb.
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Total Travel:	0.180 inches max
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Overtravel:	0.012 inches min
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### MATERIALS:

Case:	Anodized aluminum alloy
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Button:	Thermoplastic
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Terminals:	Brass, silver plate or gold plate for logic level
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Terminal Hardware:	Terminal lugs, lockwasher and screw for screw terminal option
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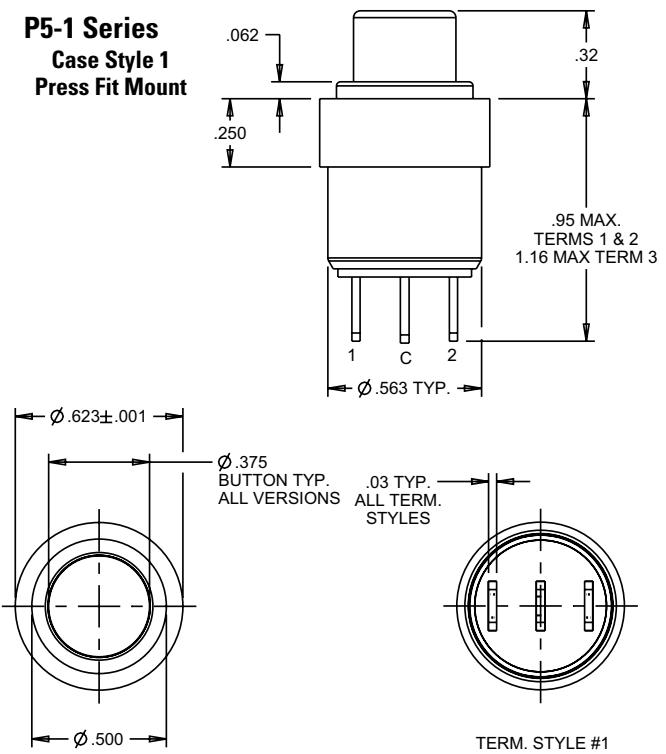
Mounting Hardware:	Hex nut, lockwasher and panel seal on watertight switches
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## P5 PART NUMBER CODE

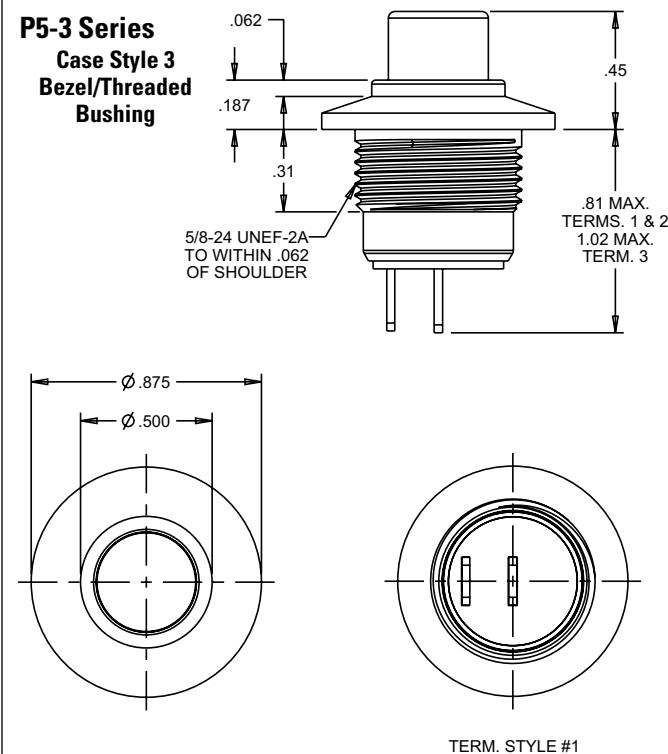
P5	—	X	X	X	X	X	X
Case Style	Terminal Style	Circuit Form/Contact Material/Grade	Seal Level	Bezel Color	Button Color		
1. Style 1	1. Solder	1. SPST/Silver/Commercial	1. Unsealed	1. Clear	1. Red		
3. Style 3	2. Screw (SPST only)	2. SPST/Gold/Commercial	2. Dusttight	2. Black	2. Black		
4. Style 4	3. .250" Quick Connect (SPST only)	3. SPDT/Silver/Commercial	3. Watertight	3. Red	3. Orange		
6. Style 6		4. SPDT/Gold/Commercial			4. Yellow		
		5. SPST/Silver/Military Grade			5. Green		
		6. SPST/Gold/Military Grade			6. Blue		
		7. SPDT/Silver/Military Grade			7. Purple		
		8. SPDT/Gold/Military Grade			8. Gray		
					9. White		

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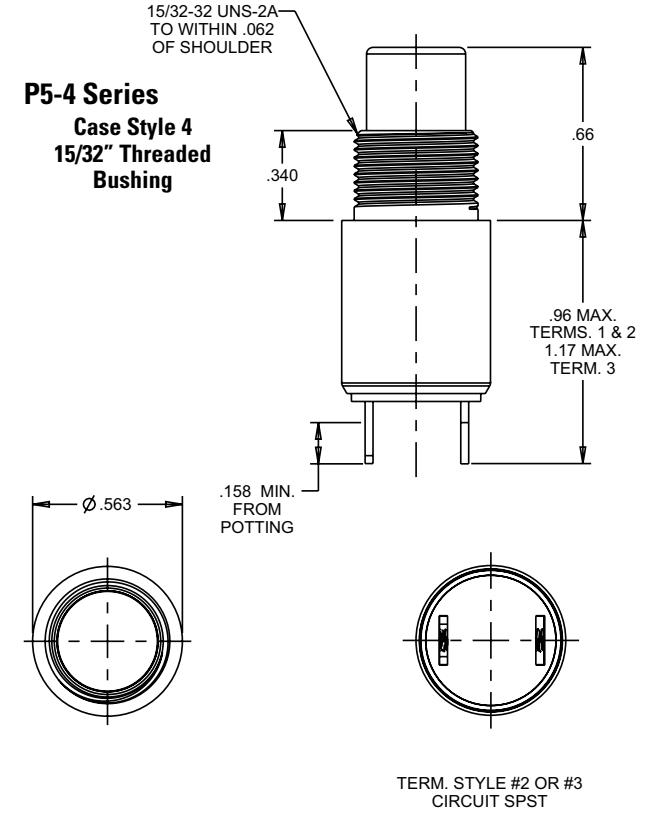
**P5-1 Series**  
Case Style 1  
Press Fit Mount



**P5-3 Series**  
Case Style 3  
Bezel/Threaded  
Bushing



**P5-4 Series**  
Case Style 4  
15/32" Threaded  
Bushing



**P5-6 Series**  
Case Style 6  
5/8" Threaded  
Bushing

