

ALTERNATE ACTION PUSHBUTTONS

SEALED AGAINST DUST AND MOISTURE

The OTTO P5 Alternate Action switches match the OTTO P1, P3 & 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 OTTO P5 series features alternate action in the same pushbutton and housing configuration as the OTTO momentary P1 and P3 series and as a bonus, the P5 series requires less behind the panel space than the P1 and P3 momentary versions.

Push and the P5 series switch holds "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 1 meter (IP68) pressure is also available.

We are able to provide a vandal resistant configuration similar to our P8V series (see page 58), custom housings, shrouded buttons, contact configurations and materials to suit your application requirements. We also provide custom button engraving with epoxy ink backfill, watertight versions and other special characteristics.

Quality Features:

- **Button sealed with patented "rolling sleeve" principle**
- **Contact area sealed at case and terminals**
- **Moistureproof and dusttight to IP64 & MIL-PRF-8805 Design 2**
- **Watertight: IP68 available**
- **Less than 25 milliohms contact resistance**
- **Handles low level to 10 amperes**
- **Variety of mounting styles**
- **Engraved buttons available**
- **Choice of 9 button and 3 bezel colors**
- **Panel appearance matches most other OTTO momentary pushbutton switches**
- **Unsealed construction also available**

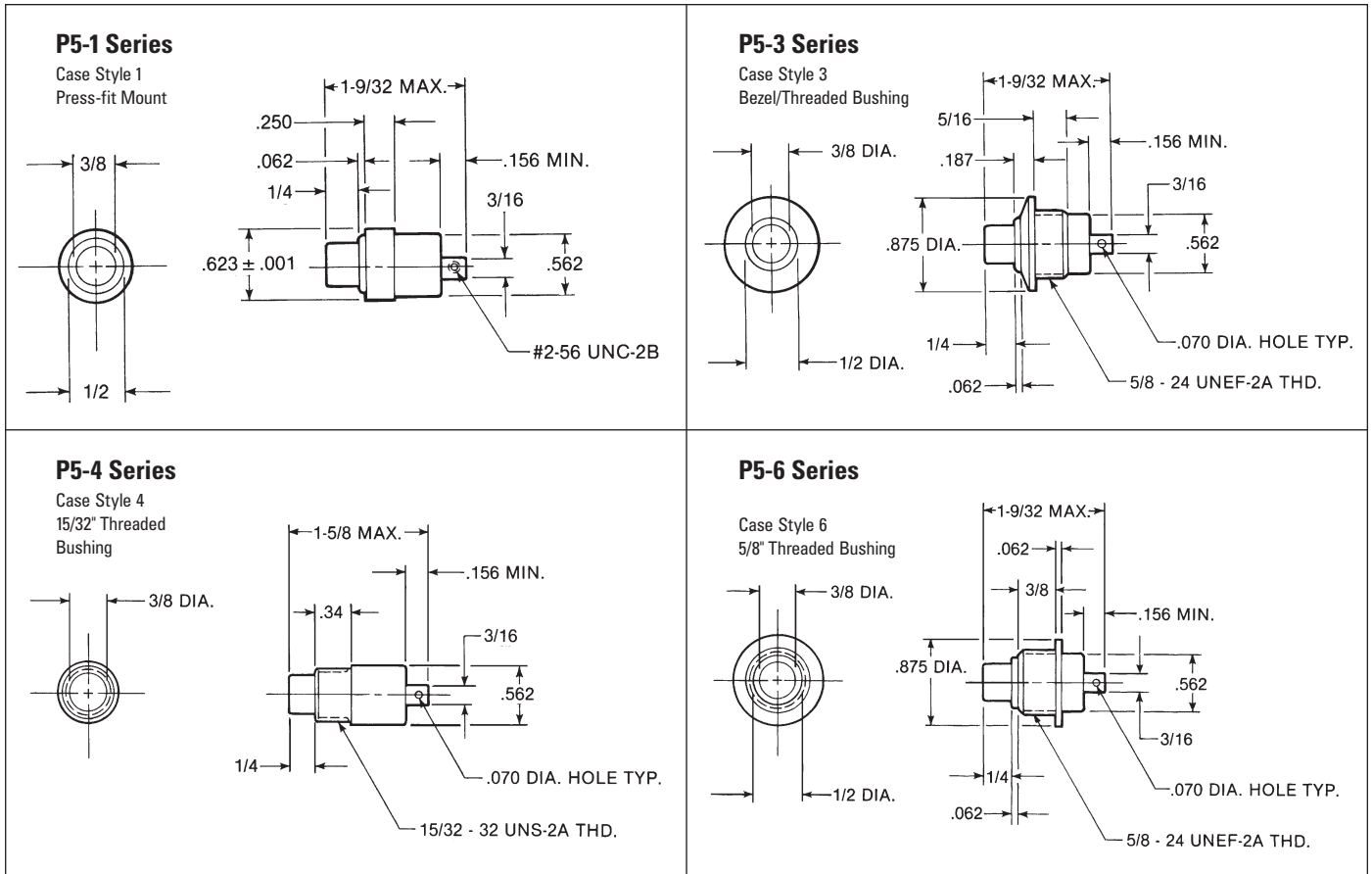
"Push On", "Push Off" action



Standard Characteristics/Ratings:		
MATERIALS:		
Case:	Aluminum alloy, anodized	
Button:	Thermoplastic	
Boot:	Internal seal is silicone rubber	
Electrical: (at 28 VDC or 115 VAC, 60-400 Hz.)		
LOAD	AMPERES	LIFE
Resistive	10	25,000
Inductive	5	25,000
Motor	3	25,000
Lamp	1	25,000
Dielectric Withstand: 1050 Vrms		
GENERAL:		
Electrical Life:	25,000 cycles minimum	
Mechanical Life:	1,000,000 cycles	
Total Travel:	.180 inches max	
Overtravel:	.012 inches min	
Operate Force:	3 lbs. +1.0 - .05 lbs	
Button size:	.375" Dia. x .250" long	
Moistureproof & Dusttight:	IP64 & MIL-PRF-8805 Design 2	
Watertight:	IP68, 1 meter	

ALTERNATE ACTION PUSHBUTTONS

SEALED AGAINST DUST AND MOISTURE



P5 PART NUMBER CODE

P 5 - X X X X X X

Case Style

- 1. -1
- 3. -3
- 4. -4
- 6. -6

Terminal Style

- 0. Special ①
- 1. Solder
- 2. Screw ②

Circuit Form/Contact Material-Grade

- 1. SPST, Silver, Commercial
- 2. SPST, Gold, Commercial
- 3. SPDT, Silver, Commercial
- 4. SPDT, Gold, Commercial
- 5. SPST, Silver, Military Grade
- 6. SPST, Gold, Military Grade
- 7. SPDT, Silver, Military Grade
- 8. SPDT, Gold, Military Grade

Seal Level

- 1. Unsealed
- 2. Dusttight
- 3. Watertight

Bezel Color

- 1. Silver
- 2. Black
- 3. Red

Button Color

- 1. Red
- 2. Black
- 3. Orange
- 4. Yellow
- 5. Green
- 6. Blue
- 7. Purple
- 8. Gray
- 9. White

Ordering Information:

Select the OTTO P5 series switch to match your application requirements. Combinations of features are almost unlimited. When ordering, specify the OTTO part number using the codes shown at right.

Example: P5-111221 specifies case style 1, solder terminals, SPST form with silver contacts, Commercial grade, sealed construction, black housing and red button.

① Specials are serialized. Subsequent numerals do not specify standard features.

② Screw Terminals available on SPST circuit forms only.