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 behind the panel space 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 patented "rolling sleeve" principle**
- **Contact area sealed at case & terminals**
- **Moistureproof & dusttight to IP64 & MIL-PRF-8805 Design 2 or watertight to IP68S**
- **Less than 25mΩ contact resistance**
- **Handles low level up to 10 amps**
- **Variety of mounting styles**
- **Engraved buttons available**
- **Choice of 9 button & 3 bezel colors**
- **Panel appearance matches most other OTTO momentary pushbutton switches**
- **Unsealed construction also available**
- **RoHS/WEEE/Reach compliant**

Standard Characteristics/Ratings:	
ELECTRICAL RATINGS:	
Load	**Sea Level @ 28VDC or 115VAC, 60/400Hz**
Resistive	10A
Inductive	5A
Lamp	1A
Motor	3A
DWV	1050Vrms
Low Level	10mA @ 30mV
Electrical Life:	25,000 cycles
Mechanical Life:	1,000,000 cycles
Seal:	IP64 & MIL-PRF-8805 Design 2 or IP68S
Operating Temp Range:	-55°C to +85°C
Operating Force:	3.0 lbs. +1/-0.5 lb.
Total Travel:	0.180 inches max
Overtravel:	0.012 inches min
MATERIALS:	
Case:	Anodized aluminum alloy
Button:	Thermoplastic
Terminals:	Brass, silver plate or gold plate for low level
Terminal Hardware:	Terminal lugs, lockwasher and screw for screw terminal option
Mounting Hardware:	Hex nut, lockwasher and panel seal on watertight switches

Specifications Subject To Change Without Notice

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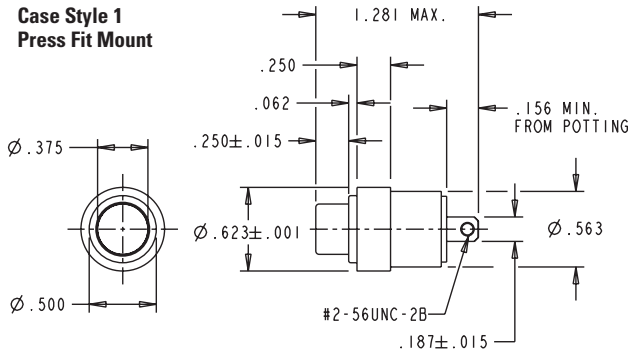
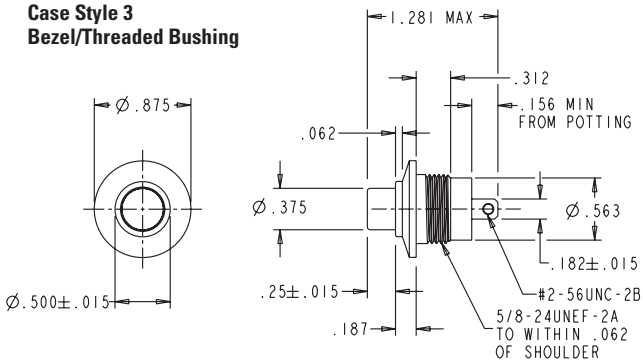
P5-1 Series

Case Style 1
Press Fit Mount



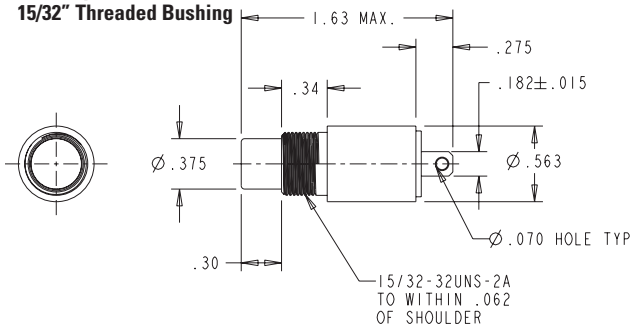
P5-3 Series

Case Style 3
Bezel/Threaded Bushing



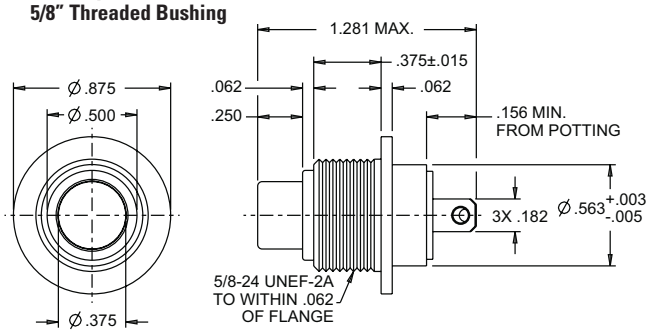
P5-4 Series

Case Style 4
15/32" Threaded Bushing



P5-6 Series

Case Style 6
5/8" Threaded Bushing



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.** Silver	**1.** Red
3. Style 3	**2.** Screw ①	**2.** SPST/Gold/Commercial	**2.** Dusttight	**2.** Black	**2.** Black
4. Style 4	**3.** 0.250" Quick Connect	**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

① Screw terminals available on SPST circuit forms only.

Mouser Electronics

Authorized Distributor

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

OTTO:

P5-V12122 P5-V12323 P5-V52122 P5-V52133 P5-321321 P5-321322 P5-621322 P5-621321 P5-323321 P5-323322 P5-623321 P5-623322 P5-D121321 P5-D121322 P5-D123321 P5-D123322 P5-D113321 P5-313322 P5-613321 P5-411221 P5-111221 P5-113324 P5-313321 P5-D113322 P5-613322 P5-V52123 P5-V11323 P5-318212 P5-316323 P5-311229 P5-311329 P5-115322 P5-415222 P5-416321 P5-313324 P5-314222 P5-315221 P5-315225 P5-321226 P5-326324 P5-613221 P5-617321 P5-112121 P5-125324 P5-312221 P5-313224 P5-311129 P5-318312 P5-411225 P5-411322 P5-414221 P5-415328 P5-117322 P5-117325 P5-121221 P5-121222 P5-121311 P5-121322 P5-621311 P5-614222 P5-614322 P5-622225 P5-114321 P5-116222 P5-413224 P5-414111 P5-417222 P5-417325 P5-418222 P5-612322 P5-415311 P5-421222 P5-422321 P5-321122 P5-411129 P5-411229 P5-318229 P5-314318 P5-317319 P5-411329 P5-413322 P5-313229 P5-314226 P5-314334 P5-315322 P5-317331 P5-112324 P5-311125 P5-311324 P5-311328 P5-312322 P5-312326 P5-611221 P5-611224 P5-612222 P5-612321 P5-613222 P5-615321 P5-413229 P5-421122