

# ALTERNATE ACTION PUSHBUTTONS

**P5-D**  
ALTERNATE  
ACTION

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

The rugged P5-D switch is an alternate action “push on, push off” pushbutton switch with contoured dome styling. With two design versions, a flush dome and raised dome button profile, the P5-D offers excellent mechanical and electrical performance while operating under severe conditions found in demanding applications.

The P5-D features unsealed, dusttight, moistureproof and watertight seal options. A mechanical life of 1 million cycles, 25,000 cycles at full load.

The P5-D is a quality precision, snap-action switch designed for use in panels, instruments and other demanding applications where attractive, rugged pushbutton switches are required.

*“Push On, Push Off” action*



Flush Dome Button



## Features:

- Two contoured button styles
- Button sealed with patented “rolling sleeve” principle
- Contact area sealed at case & terminals
- Less than 25mΩ contact resistance
- Handles low level up to 10 amps
- Choice of nine button colors
- Moistureproof & dusttight to IP64 & MIL-PRF-8805 Design 2 or watertight to IP68S options
- Unsealed construction also available

### Standard Characteristics/Ratings:

#### ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC, 60/400Hz
Resistive	10A
Inductive	5A
Lamp	1A
Motor	3A
DWV	1050Vrms

**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:

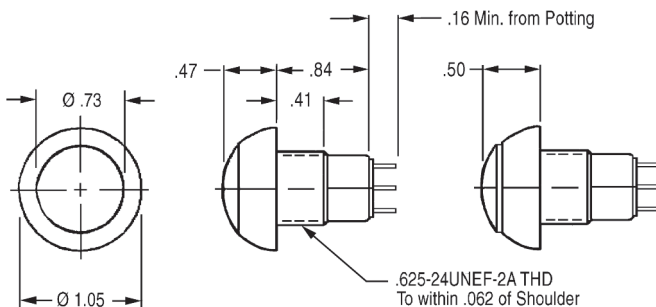
**Case:** Anodized aluminum alloy

**Button:** Thermoplastic

**Terminals:** Brass with gold plate over silver plate

**Terminal Hardware:** Screws, lockwashers and terminal lugs for screw terminal option

**Mounting Hardware:** Hex nut, lockwasher



## P5-D PART NUMBER CODE

P5-D	X	X	X	X	X	X
Button Style	Terminal Style/Rating	Circuit Form/Contact Material/Grade	Seal Level	Bezel Color	Button Color	
1. Flush	1. Solder	1. SPST/Silver/Commercial	1. Unsealed	1. Clear	1. Red	
2. Raised	2. Screw ①	2. SPST/Gold/Commercial	2. Dusttight	2. Black	2. Black	
		3. SPDT/Silver/Commercial	3. Watertight		3. Orange	
		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.