

# ALTERNATE ACTION DOME PUSHBUTTONS

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

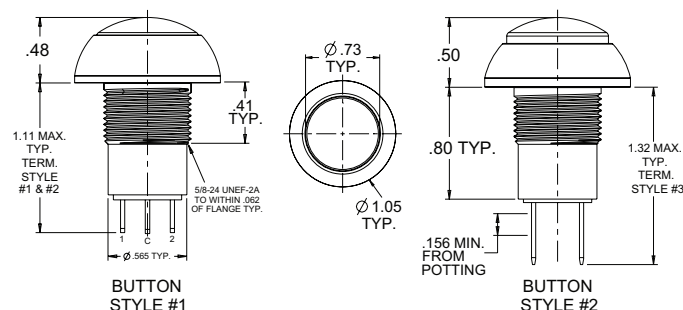
The rugged P5-D switch is an alternate action "push on, push off" pushbutton switch with contoured dome styling. With two design versions, a flush dome and raised dome button profile, the P5-D offers excellent mechanical and electrical performance while operating under severe conditions found in demanding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

The P5-D features unsealed, dusttight, moistureproof and watertight seal options. A mechanical life of one 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.

## Features:

- 2 contoured button styles
- Button sealed with patented "rolling sleeve" principle
- Contact area sealed at case & terminals
- Handles logic level up to 5 amps
- Moistureproof & dusttight to IP64 & MIL-PRF-8805 Symbol 2, Symbol 3 or watertight to IP68S
- Unsealed construction also available
- RoHS compliant



"Push On, Push Off" action



Flush Dome Button,  
Also available with  
Raised Dome



## Standard Characteristics/Ratings:

### ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC
Resistive	5A
Inductive	3A
Lamp	1A
Motor	3A
DWV	1000Vrms
Logic Level	10mA @ 5VDC

**Electrical Life:** 25,000 cycles at full load

**Mechanical Life:** 1,000,000 cycles

Seal:	Military	Commercial
Unsealed	Symbol 1	Unsealed
Dusttight	Symbol 2	IP64
Watertight	Symbol 3	IP68S

**Operating Temp Range:** -40°C to +85°C

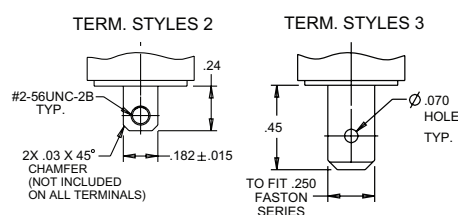
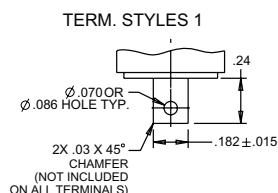
**Operating Force:** 3.0 lbs. +1/-0.5 lb.

**Total Travel:** 0.180 inches max

**Overtravel:** 0.012 inches min

### MATERIALS:

<b>Case:</b>	Anodized aluminum alloy
<b>Button:</b>	Thermoplastic
<b>Terminals:</b>	Brass with gold over silver
<b>Terminal Hardware:</b>	Screws, lockwashers and terminal lugs for screw terminal option
<b>Mounting Hardware:</b>	Hex nut, lockwasher



## P5-D PART NUMBER CODE

<b>P5-D</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Button Style</b>	<b>Terminal Style/Rating</b>	<b>Circuits/Contacts/ Grade</b>		<b>Seal Level</b>	<b>Case Color</b>	<b>Button Color</b>
1. Flush 2. Raised	1. Solder 2. Screw ① 3. 0.250" Quick Connect ①	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		1. Unsealed 2. Dusttight 3. Watertight	1. Clear 2. Black	1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Purple 8. Gray 9. White

① Available on SPST circuit forms only.

# Mouser Electronics

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