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.
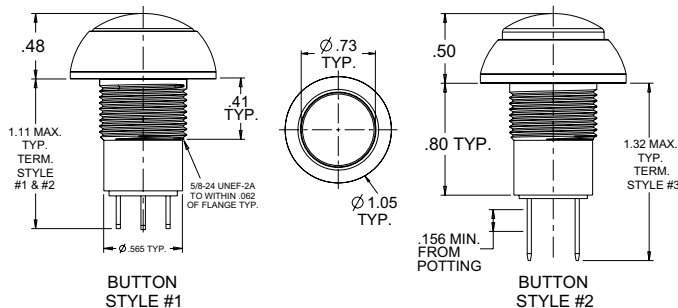
"Push On, Push Off" action

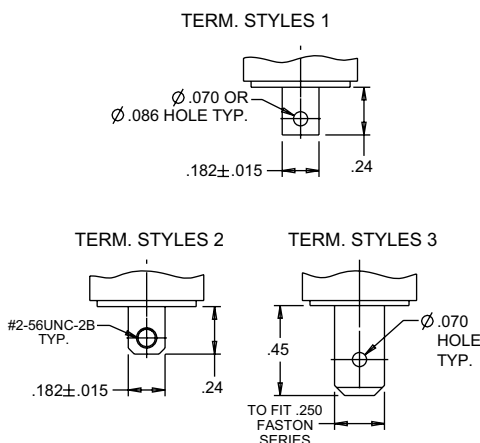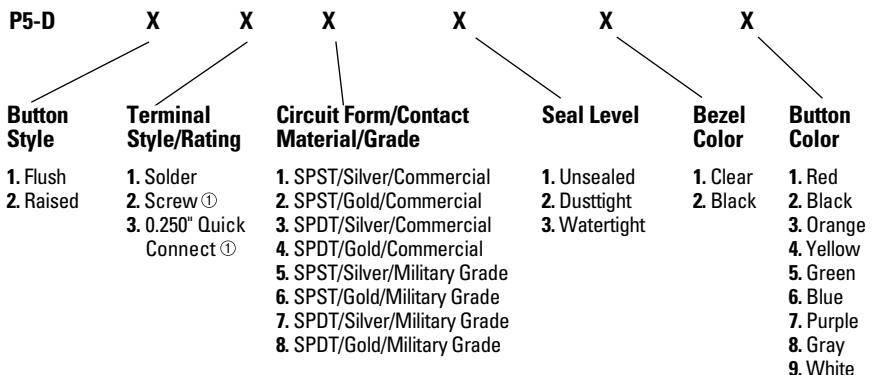Flush Dome Button,
Also available with
Raised Dome

Features:

- **2 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**
- **Moistureproof & dusttight to IP64 & MIL-PRF-8805 Design 2 or watertight to IP68S options**
- **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

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 over silver
Terminal Hardware:	Screws, lockwashers and terminal lugs for screw terminal option
Mounting Hardware:	Hex nut, lockwasher

.48
Ø.73 TYP.
.50
.41 TYP.
1.11 MAX. TYP. TERM. STYLE #1 & #2
5/8-24 UNEF-2A TO WITHIN .062 OF FLANGE TYP.
Ø 1.05 TYP.
.80 TYP.
1.32 MAX. TYP. TERM. STYLE #3
.156 MIN. FROM POTTING
Ø .565 TYP.

BUTTON STYLE #1
BUTTON STYLE #2

TERM. STYLES 1
Ø .070 OR Ø .086 HOLE TYP.
.182±.015
.24

TERM. STYLES 2
#2-56UNC-2B TYP.
.182±.015
.24

TERM. STYLES 3
Ø .070 HOLE TYP.
.45
TO FIT .250 FASTON SERIES

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. 0.250" Quick Connect ①	**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 Available on SPST circuit forms only.

Specifications Subject To Change Without Notice