SEALED DOME PUSHBUTTON SWITCHES

MOMENTARY ACTION, ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

Rugged pushbutton switches with new contoured dome styling. There are two design versions: flush dome and raised dome button profile. They also offer excellent mechanical and electrical performance while operating under severe conditions found in demanding applications.

The P3-D Dome features dusttight and moistureproof or watertight sealed construction (add "W" to your part number for watertight seal). 100,000 operations at rated load of 10 amps resistive or 5 amps inductive; up to a million mechanical operations in low level switching applications.

The P3-D Dome is available in standard and low operating force double break snap-action models. All are momentary action. Special contact variations are available. High contact pressure and unique contact design provide low contact resistance for low level switching capability as well as full rated service.

The P3-D Dome is a quality precision snap-action switch designed for use in panels, control sticks, computers, instruments, heavy equipment and other demanding applications where attractive, rugged pushbutton switches are required.

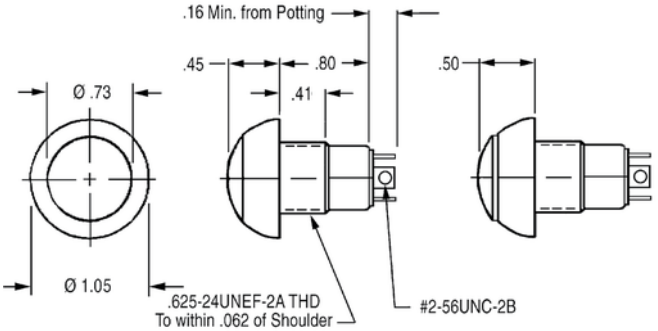
Features:

- **Attractive dome style button**
- **2 contoured button styles**
- **Double break momentary action**
- **Withstands extreme shock & vibration**
- **Positive tactile feedback**
- **Solder & screw terminal styles**
- **Moistureproof & dusttight to IP64**
- **Watertight to IP68S available**
- **RoHS/WEEE/Reach compliant**



Flush Dome Button

Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
Load	**Sea Level @ 28VDC or 115VAC, 60/400Hz**	**Cycles**
Resistive	10A	100,000
Resistive	15A	25,000
Inductive	5A	100,000
Lamp	3A	100,000
Center Contact	3A max	100,000
DWV	1050Vrms	
Low Level	10mA @ 30mV	100,000
Electrical Life:	See Rating Chart	
Mechanical Life:	1,000,000 cycles, circuit forms 1, 2 & 6 100,000 cycles, circuit forms 3, 4 & 5	
Seal:	IP64 or IP68S	
Operating Temp Range:	-55°C to +85°C	
Operating Force:	2.0 lbs. to 4.0 lbs., +0.5/-1.0 lb.	
Total Travel:	0.075 +/- 0.015 inches	
Overtravel:	0.012 inches min	
Movement Differential:	0.015 inches min	
MATERIALS:		
Case:	Anodized aluminum alloy	
Button:	Thermoplastic	
Terminals:	Brass with silver plate, gold plate for low level	
Terminal Hardware:	Screws, lockwasher and terminal lugs	
Mounting Hardware:	Hex nut, lockwasher and panel seal when applicable	



Flush Raised

P3-D PART NUMBER CODE

P3-D X X X X X X *

Button Style	Terminal Style/Rating	Circuit Form	Operating Force/Action	Bezel Color	Button Color
1. Flush Dome	**1.** Solder/Std.	**1.** N.O.	**1.** 2.5 lbs./Momentary	**1.** Clear	**1.** Red
2. Raised Dome	**2.** Screw/Std.	**2.** N.C.	**2.** 4.0 lbs./Momentary	**2.** Black	**2.** Black
	3. Solder/Low Level	**3.** N.C. 3 Terminal			**3.** Orange
	4. Screw/Low Level	**4.** N.O. 3 Terminal			**4.** Yellow
		5. 5 Terminal			**5.** Green
		6. 2 Circuit			**6.** Blue
					7. Purple
					8. Gray
					9. White

*** Add "W" suffix for watertight to IP68S.**

Specifications Subject To Change Without Notice