P5-D Alternate Action Dome

P5-D series switches are dome-style, alternate action pushbuttons for commercial and military applications. Push once, and the switch goes on; push again, and it turns off. The button returns to the original position after each actuation. Positive tactile feedback makes the operator aware the switch mode has been executed. 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.

Sealed and unsealed options of these snap-action switches have been tested up to 1 million cycles for use in panels, instruments and other demanding applications.

FEATURES:

- Alternate action, dome-style pushbuttons
- Button sealed with patented “rolling sleeve” principle
- Contact area sealed at case and terminals
- Handles logic level up to 5 amps
- Moistureproof and dusttight to IP6K4 and MIL-PRF-8805 Symbol 2, Symbol 3 or watertight to IP6K8S
- Unsealed construction also available
- UL1500 ignition protected
- RoHS compliant



Flush Dome Button



Raised Dome Button

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:	Up to 25,000 cycles at full load		
Mechanical Life:	Up to 1,000,000 cycles		
Seal:		**Military**	**Commercial**
	Unsealed	Symbol 1	Unsealed
	Dusttight	Symbol 2	P64
	Watertight	Symbol 3	IP6K8S
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:			
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		

Your official representative

ALDERS® Indicate. Control. Connect.

ALDERS electronic GmbH
Arnoldstraße 19
47906 Kempen - Germany

+49 2152 8955-0

sales@alders.de

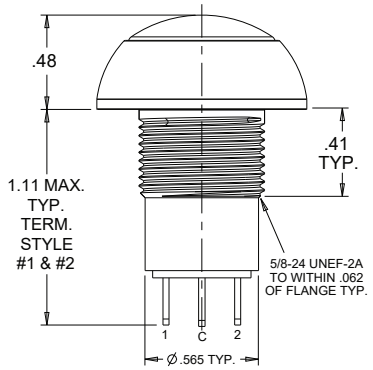
P5-D Pushbutton
Part Number Code

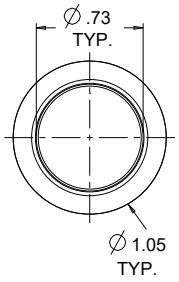
P5-D -	X	X	X	X	X	X
	Button Style	**Terminal Style/Rating**	**Circuits/Contacts/ Grade**	**Seal Level**	**Case Color**	**Button Color**
	1. Flush **2.** Raised	**1.** Solder **2.** Screw ① **3.** 0.250" Quick Connect ①	**1.** SPST/Silver/Commercial **2.** SPST/Gold/Commercial **3.** SPDT/Silver/Commercial **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.

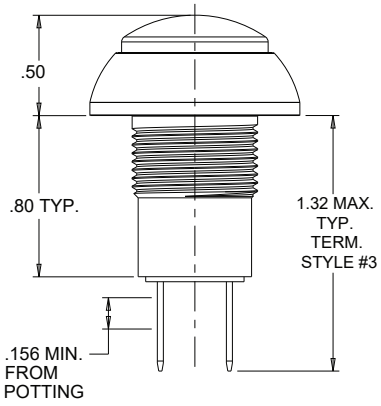
P5-D Pushbutton Button Styles

BUTTON STYLE #1
Flush Dome



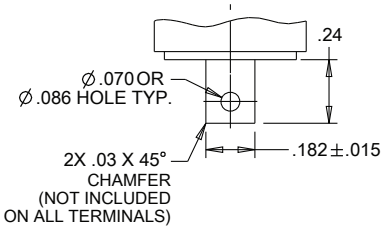


BUTTON STYLE #2
Raised Dome

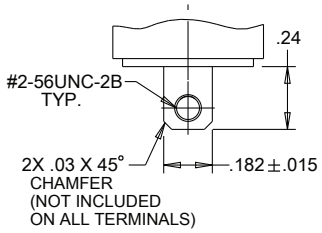


P5-D Pushbutton Termination Styles

TERMINAL STYLE 1
Solder



TERMINAL STYLE 2
Screw



TERMINAL STYLE 3
0.250" Quick Connect

