P7-D Sealed, Double Break

The P7-D is a sealed, double break, momentary pushbutton. Choose from various button styles, including flush or raised round in a glossy finish and raised square in a matte finish. The long-lasting P7-D features a shorter behind panel depth, dusttight or watertight sealing, and excellent mechanical and electrical performance even under the most severe conditions.

This precision, snap-action pushbutton features positive tactile feedback. Its high contact pressure and unique contact design enable low contact resistance for logic level switching capability as well as full rated service.



Raised Dome Button



Flush Dome Button



Raised Square Button

FEATURES:

- Flush or raised round button in glossy finish and raised square button in matte finish
- Nine button colors
- Logic level switching capability
- Mechanical life up to 2 million cycles
- Positive tactile feedback
- Constructed in accordance with MIL-PRF-8805/110 *(no QPL)*
- Dusttight to IP6K4 and MIL-PRF-8805 Design 2 or watertight to IP6K8S
- UL1500 ignition protected
- RoHS compliant

Your official representative

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Standard Characteristics/Ratings:		
ELECTRICAL RATINGS:		
	Sea Level @ 28vdc Or 115vac, 60/400hz	
Load	**N.O./N.C.**	**Life Cycles**
Resistive	1A	Up to 50,000
Resistive	5A	Up to 50,000
Inductive	3A	Up to 50,000
DWV	1050Vrms	
Logic Level	10mA @ 5VDC	Up to 2,000,000
Mechanical Life:	Up to 2,000,000 cycles	
Seal:	IP6K4, MIL-PRF-8805 Design 2, IP6K8S or MIL-PRF-8805 Design 3	
Operating Temp Range:	-55°C to +85°C	
Operating Force:	1.7 +/- 0.5 lb. *(standard force)*	
Total Travel:	0.080 inches max	
MATERIALS:		
Case:	Anodized aluminum alloy	
Button:	Thermoplastic	
Contacts:	Brass with gold over silver	
Terminal Hardware:	None provided	
Mounting Hardware:	Hex nut, lockwasher and panel seal on watertight versions	

P7-D Pushbutton
Part Number Code

P7-D - X X X X X X

Button Style
- **F.** Flush Round Gloss
- **2.** Flush Round Matte
- **R.** Raised Round Gloss
- **4.** Raised Round Matte
- **5.** Raised Square Matte
- **6.** Flat Round Gloss
- **7.** Slotted Round Gloss
- **8.** Threaded Rear Mount Round Gloss
- **C.** Domed Concave Gloss

Terminal Style/ Construction Grade
- **A.** Std. Commercial Solder
- **B.** Std. Watertight Commercial Solder
- **1.** Solder/Military/Short
- **2.** Solder/Commercial/Short
- **3.** Solder/Mil. Watertight/Short
- **4.** PC Pin/Commercial
- **5.** PC Pin/Military
- **6.** PC Pin/Mil. Watertight
- **7.** Solder/Com. Watertight/Short
- **8.** PC Pin/Com. Watertight

Circuit Form
- **1.** N.O.
- **2.** N.C.
- **3.** N.C. 3 Terminal
- **4.** N.O. 3 Terminal
- **5.** 5 Terminal
- **6.** 2 Circuit

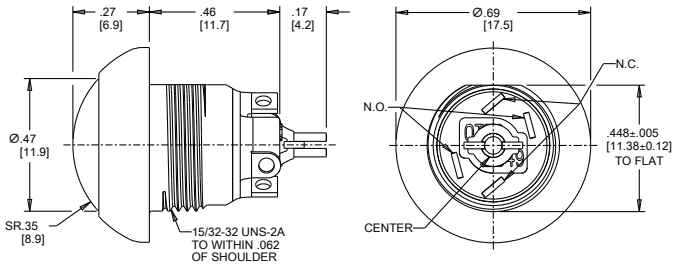
Contact Rating/Force
- **1.** Std. Rating/Std. Force *(1.7 lbs.)*
- **2.** Low Level/Std. Force *(1.7 lbs.)*
- **3.** Std. Rating/High Force *(4.0 lbs.)*
- **4.** Low Level/High Force *(4.0 lbs.)*
- **5.** Std. Rating/Low Force *(12 oz.)*
- **6.** Low Level/Low Force *(12 oz.)*

Bezel Color
- **1.** Clear
- **2.** Black

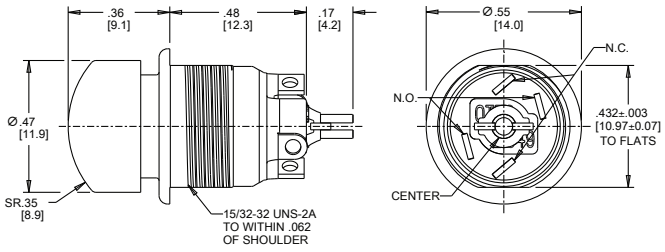
Button Color
- **1.** Red
- **2.** Black
- **3.** Orange
- **4.** Yellow
- **5.** Green
- **6.** Blue
- **7.** Purple
- **8.** Gray
- **9.** White

Specifications Subject To Change Without Notice

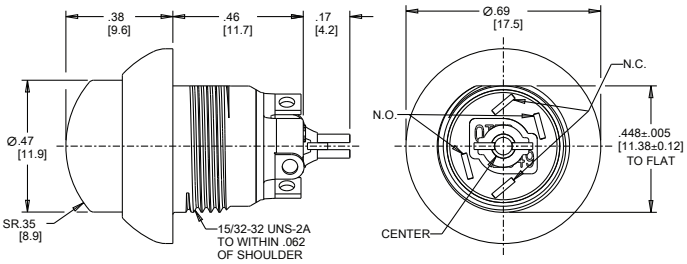
BUTTON STYLE F OR 2
(Gloss or Matte)



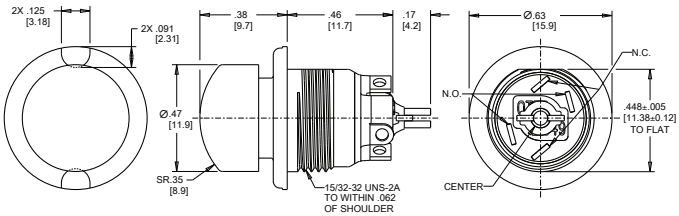
BUTTON STYLE 6



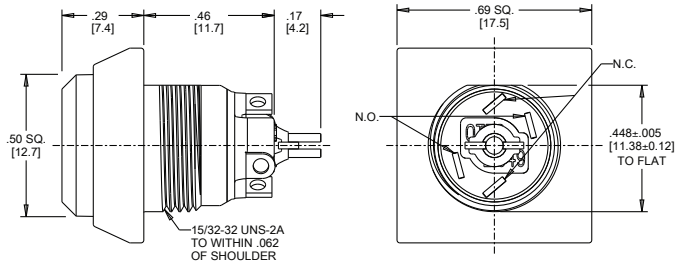
BUTTON STYLE R OR 4
(Gloss or Matte)



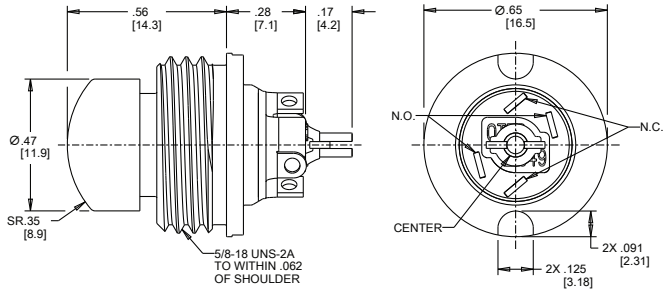
BUTTON STYLE 7



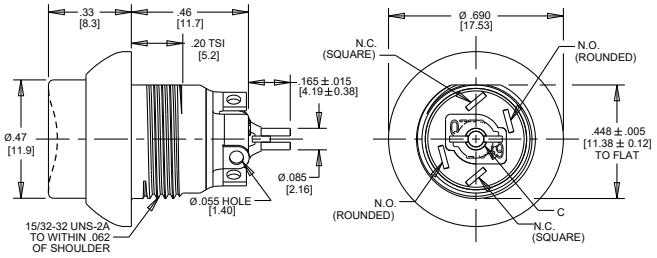
BUTTON STYLE 5



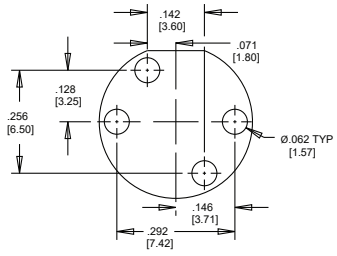
BUTTON STYLE 8



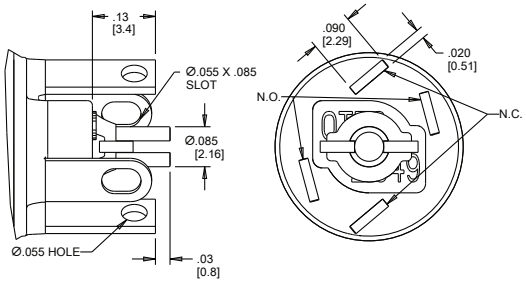
BUTTON STYLE C



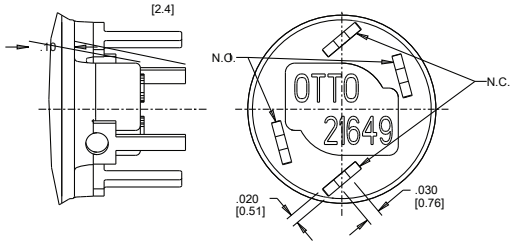
PC MOUNTING PATTERN



TERMINAL STYLE "A" & "B"

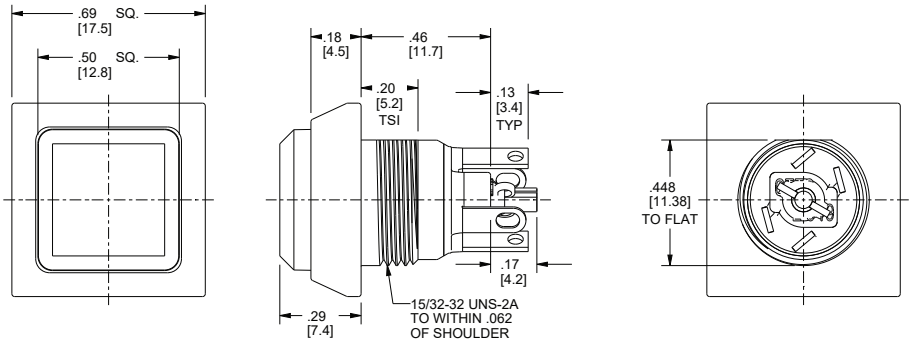


PC PIN TERMINALS

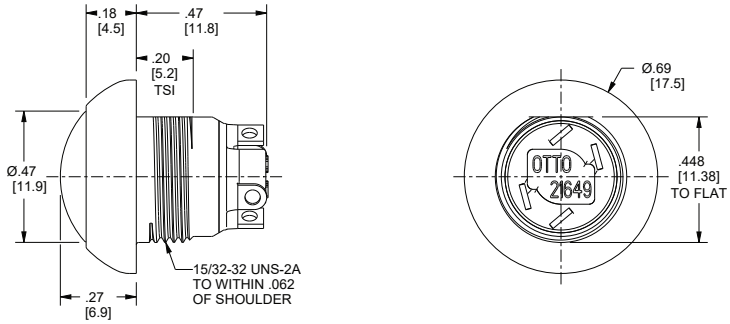


P7-D Pushbutton Drawings

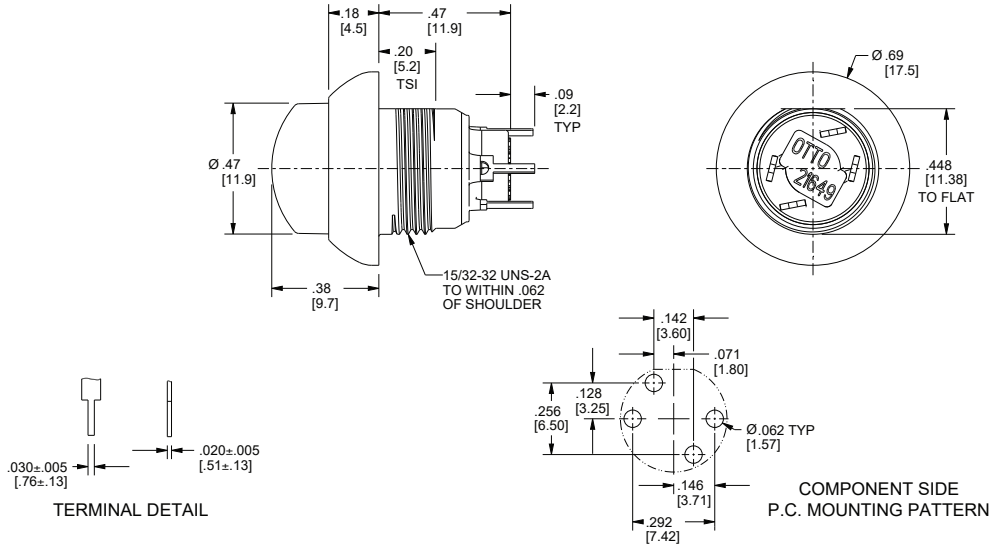
P7-D5A SERIES
Commercial Grade
Solder Terminals
Square Button



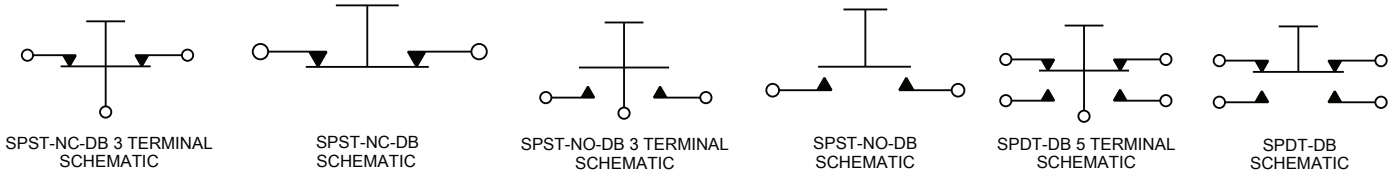
P7-DF1 SERIES
Military Grade
Short Solder Terminals
Round Flush Button



P7-DR6 SERIES
Military Grade
P.C. Pin Terminals
Round Raised Button



P7-D Pushbutton Schematics



SPST-NC-DB 3 TERMINAL SCHEMATIC

SPST-NC-DB SCHEMATIC

SPST-NO-DB 3 TERMINAL SCHEMATIC

SPST-NO-DB SCHEMATIC

SPDT-DB 5 TERMINAL SCHEMATIC

SPDT-DB SCHEMATIC

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