

MOMENTARY ACTION, ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS

P7-D is a series of sealed, double break, momentary, commercial or military-qualified pushbuttons. 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.

## 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
- Select models are MIL-qualified to MIL-PRF-8805/110 and /123
- Dusttight to IP6K4 and MIL-PRF-8805 Design 2 or watertight to IP6K8 and MIL-PRF-8805 Design 3
- UL1500 ignition protected
- RoHS compliant



Raised Dome Button

Flush Dome Button



Raised Square Button



Standard Characteristics/Ratings:		
<b>ELECTRICAL RATINGS:</b>	Sea Level @ 28VDC or 115VAC, 60/400Hz	
<b>Load</b>	<b>N.O./N.C.</b>	<b>Life Cycles</b>
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
<b>Mechanical Life:</b>	Up to 2,000,000 cycles	
<b>Seal:</b>	IP64, MIL-PRF-8805 Design 2, IP6K8S or MIL-PRF-8805 Design 3	
<b>Operating Temp Range:</b>	-55°C to +85°C	
<b>Operating Force:</b>	1.7 +/- 0.5 lb., 4 +/- 1 lb. or 12 +/- 4 oz.	
<b>Total Travel:</b>	0.080 inches max	
<b>MATERIALS:</b>		
<b>Case:</b>	Anodized aluminum alloy	
<b>Button:</b>	Thermoplastic	
<b>Contacts:</b>	Brass with gold over silver	
<b>Terminal Hardware:</b>	None provided	
<b>Mounting Hardware:</b>	Hex nut, lockwasher and panel seal on watertight versions	

## P7-D PART NUMBER CODE

P7-D	X	X	X	X	X	X				
<b>Button/Case Style</b>		<b>Terminal Style/ Construction Grade</b>		<b>Circuit Form*</b>		<b>Contact Rating/Force</b>		<b>Bezel Color</b>		<b>Button Color</b>
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 Gloss C. Domed Concave Gloss		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		1. N.O. 2. N.C. 3. N.C. 3 Terminal 4. N.O. 3 Terminal 5. 5 Terminal 6. 2 Circuit		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.)		1. Clear 2. Black		1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Purple 8. Gray 9. White

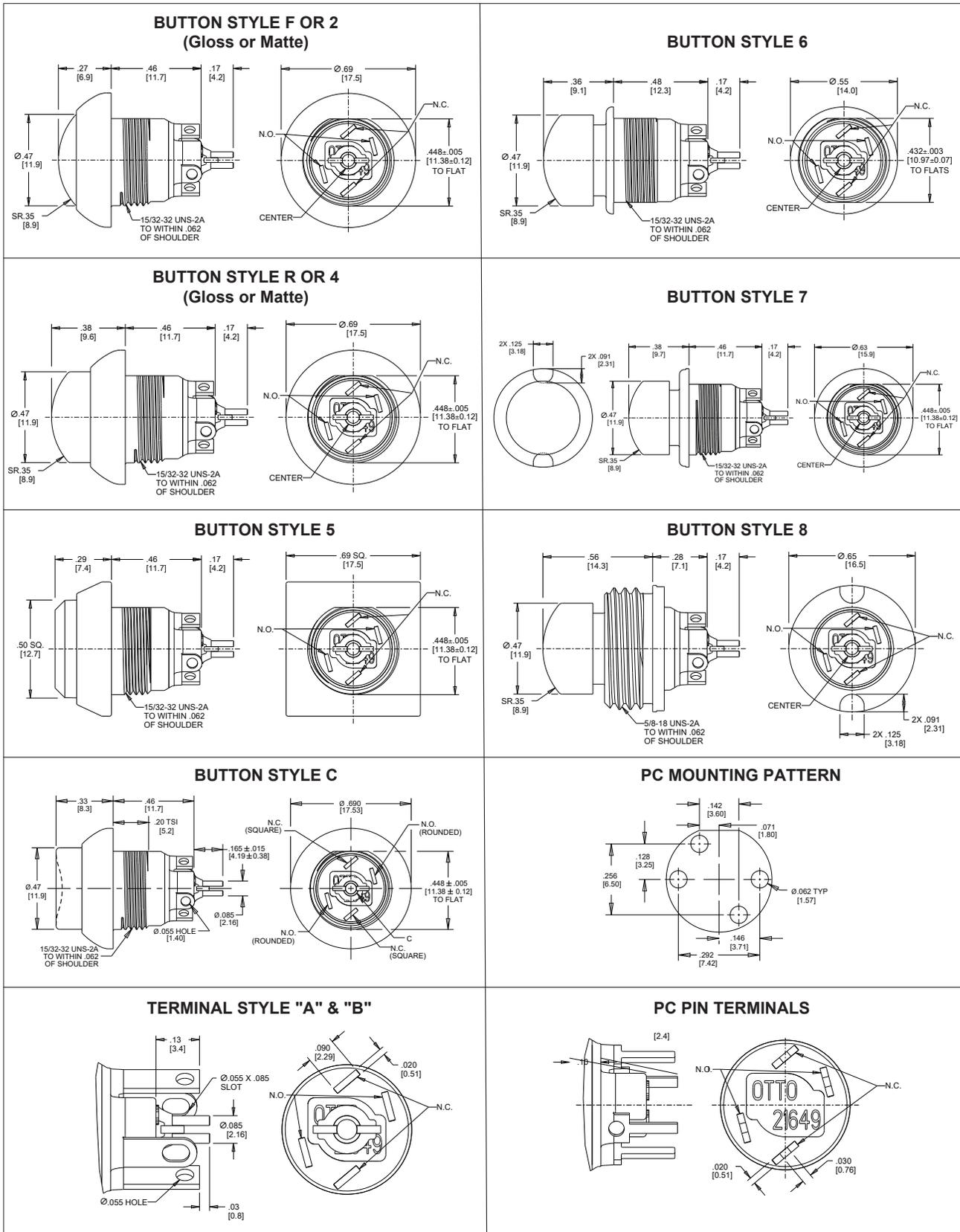
\* Circuit Forms 3, 4, and 5 are only available in "Contact Rating/Force" options 1 and 2. Circuit Forms 1, 2, and 6 are available in all of the Contact Rating/Force options (1 through 6).

# SEALED DOME PUSHBUTTONS

**P7-D**  
DOME  
PUSHBUTTONS

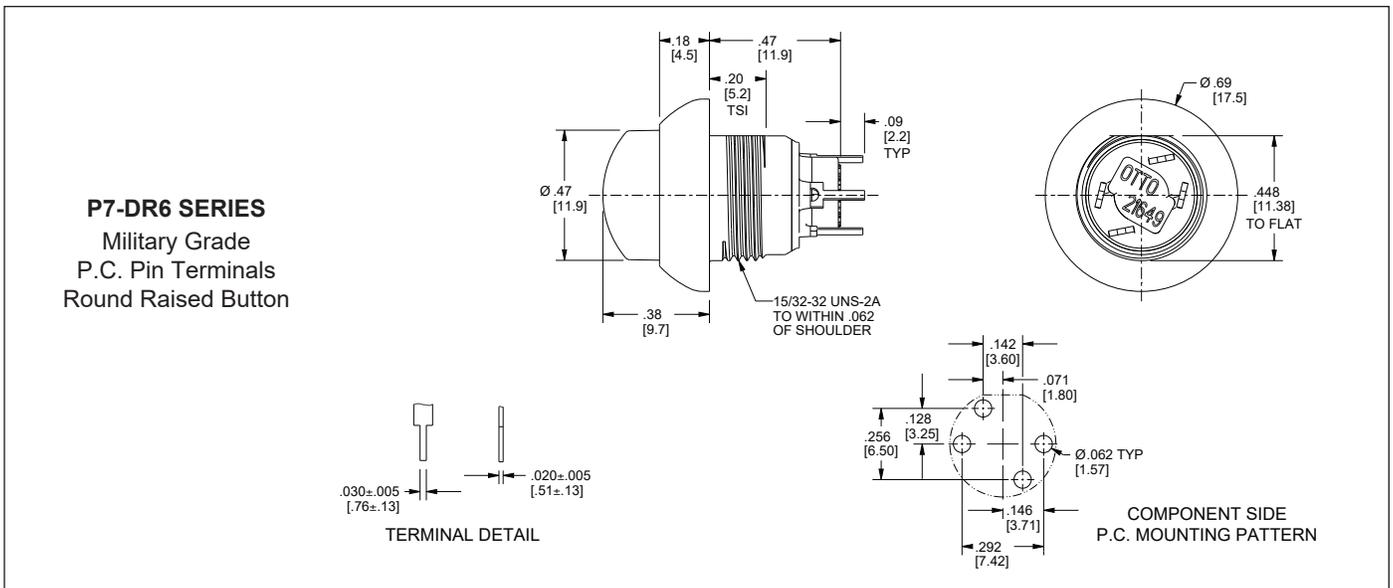
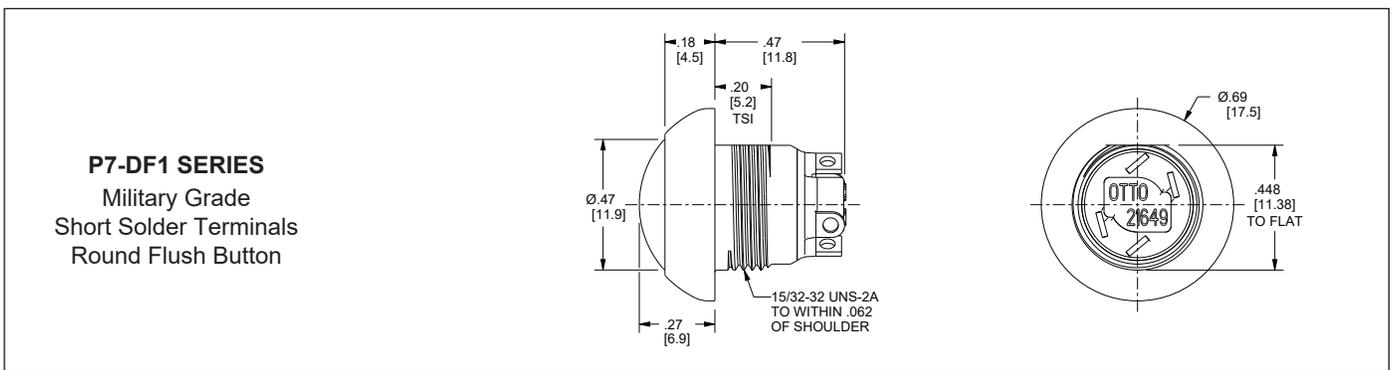
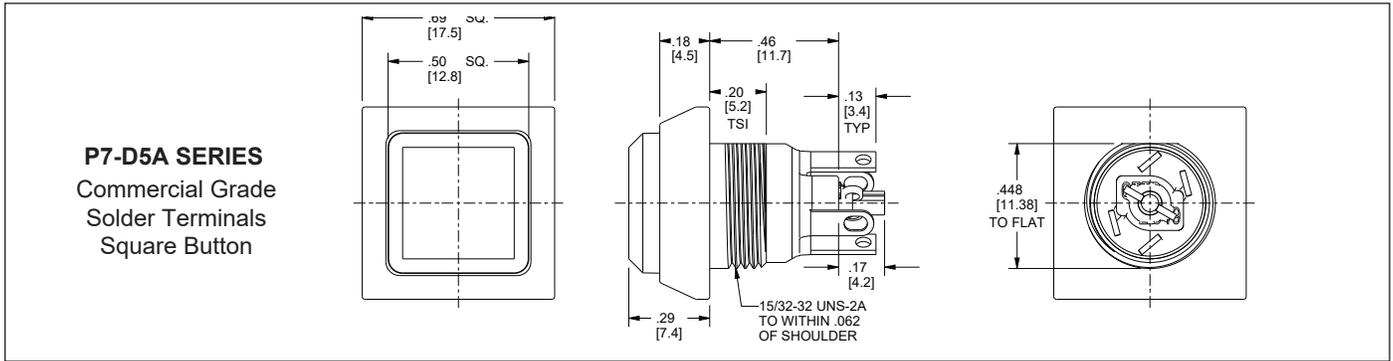
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## P7-D BUTTON STYLES



PUSHBUTTON SWITCHES

MOMENTARY ACTION, ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS



## SCHEMATICS

