

SEALED PUSHBUTTON SWITCHES

P7-D
DOMED
PUSHBUTTONS

ATTRACTIVE AND RUGGED FOR WET AND DUSTY ENVIRONMENTS

These are P7-D series pushbutton switches with a contoured Dome style pushbutton. There are two design versions: flush dome and raised dome button profile. The switch series features short behind-panel depth. They also offer excellent mechanical and electrical performance while operating under severe conditions found in demanding applications.

The OTTO P7-D Dome series is offered in dusttight and moistureproof sealed construction. Expect a minimum of 50,000 operations at full rated load of 5 amperes resistive or 3 amperes inductive; up to a million operations in low signal switching applications.

The OTTO P7-D Dome series is a double-break switch with a momentary circuit. Multiple 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.

Positive tactile feedback signals the operator when the switch is operated. Button legends are available on special order.

The OTTO P7-D Dome series 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. Other P7 series models offer a wide choice of mounting styles.

Quality Features:

- Attractive Dome style buttons
- Low level switching capability
- Low contact resistance .025 ohms max
- High contact pressure
- Six circuit variations
- Positive tactile feedback
- Variety of mounting styles
- Sealed against dust and moisture
- Constructed in accordance with

P7-D PART NUMBER CODE

Button Style	Terminal Style/Construction Grade	Circuit Form	Contact Rating	Bezel Color	Button Color
F. Flush	0. Special ①	1. N.O.	1. Standard	1. Clear	1. Red
R. Raised	A. Standard Commercial Solder	2. N.C.	2. Low Level	2. Black	2. Black
	B. Standard Watertight Commercial Solder	3. N.C. 3-Terminal			3. Orange
	1. Solder/Military/Short	4. N.O. 3-Terminal			4. Yellow
	2. Solder/Commercial/Short	5. 5-Terminal			5. Green
	3. Solder/Mil. Watertight/Short	6. Two Circuit			6. Blue
	4. P.C. Pin/Commercial				7. Purple
	5. P.C. Pin/Military				8. Gray
	6. P.C. Pin/MIL Watertight				9. White
	7. Solder/Com. Watertight/Short				
	8. P.C. Pin/Com. Watertight				

① Specials are serialized. Subsequent numerals do not specify standard features.

Raised Dome Button



Flush Dome Button



Standard Characteristics/Ratings:

OPERATIONAL:

Mechanical Life:	1,000,000 cycles minimum
Seal:	Moistureproof and Dusttight to IP64 & MIL-PRF-8805 Design 2
Operating Force:	1.7 ± 5 lbs.
Total Travel:	.080 max.
Temperature Range:	-55°C to +85°C

MATERIALS:

Case/Bezel:	Anodized aluminum alloy
Button:	Thermoplastic
Mounting Hardware:	Hexnut & Lockwasher
Contacts:	Silver alloy

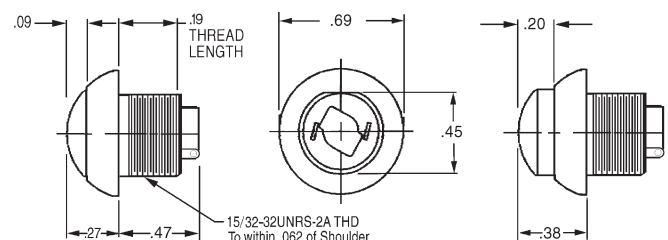
ELECTRICAL: (at 28 VDC or 115 VAC, 60/400 Hz.)

LOAD	AMPERES	LIFE (Min.)
Resistive	1A	1,000,000 cycles
Resistive	5A	50,000 cycles
Inductive	3A	50,000 cycles

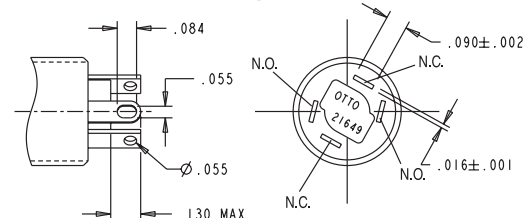
Dielectric Withstand: 1050Vrms

Low Level 30MV@10mA, 25,000 cycles

Terminal Style: Short



Terminal Style "A" & "B"



Standard

NOTE: For P.C. mounting pattern see Page 53.

Mouser Electronics

Authorized Distributor

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[P7-DF11112](#) [P7-DRB2115](#)