MOMENTARY ACTION, SHORTER BEHIND PANEL, SUBMINIATURE DOUBLE BREAK, SNAP-ACTION

The P8 Vandal Resistant series is a durable, robust switch, offering the same quality and precision tactile feedback found in the standard P8 series. With a variety of case, mounting and terminal styles and a mechanical life of 1,000,000 cycles, this stainless steel sealed switch is ideal for door access security systems, public transit systems, emergency phones, traffic signals, industrial and process control environments and anywhere that ruggedness, durability and security are crucial.

OTTO P8 series pushbutton switches feature a shortened back of panel depth while offering all the features of the regular size P1 and P3 series switches. P8 series switches offer vastly improved electrical and mechanical life under extreme conditions found in most military and industrial environments.

On sealed models, a silicone boot operating on our patented "rolling sleeve" principle protects the contact area against contamination at the button area. This boot provides long life and smooth operation over a wide temperature range. Sealed terminals protect the contact area from hostile environments and solder flux on both sealed and unsealed models.

High contact force (120g/4.2 oz), low contact resistance $(25m\Omega)$ and short contact bounce (5ms max) are all a result of our snap-action mechanism. These characteristics provide exceptional current carrying capabilities over the life of the switch. Optional low level (gold plate) configuration makes the P8-V switches well suited to interface directly to computers and other solid state devices.

Features:

- Stainless steel vandal resistant case
- **Aluminum security level case**
- Watertight to IP68S or moisture proof & dusttight
- Positive tactile feedback
- Less than 25mΩ contact resistance
- Variety of case and button styles available
- Mechanical life 1 million cycles
- **UL recognized & CSA certified**
- **UL1500** ignition protected
- **RoHS/WEEE/Reach compliant**



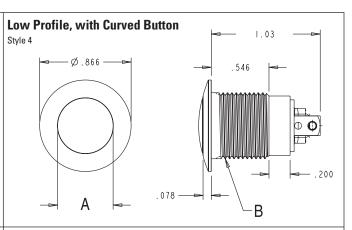


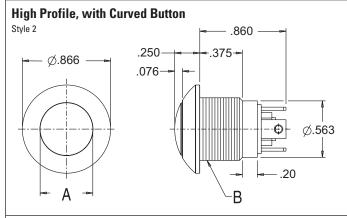
Standard Characteristics/Ratings:			
ELECTRICAL RATINGS:			
Load	Sea Level @ 28VDC or 115VAC, 60/400Hz		
Resistive	10A		
Inductive	5A		
Lamp	3A		
DWV	1050Vrms		
Low Level	10mA @ 30mV		
Electrical Life:	100,000 cycles (25,000 low level)		
Mechanical Life:	1,000,000 cycles		
Seal:	IP64 or IP68S		
Operating Temp Range:	-55°C to +85°C		
Operating Force:	2.5 lbs. +0.5 /-1.0 lb. or 4.0 lbs. +/- 1.0 lb.		
Total Travel:	0.085 +/- 0.015 inches		
Overtravel:	0.012 inches min		
Movement Differential:	0.015 inches min		
MATERIALS:			
Case:	Anodized aluminum alloy or stainless steel		
Button:	Anodized aluminum alloy or stainless steel		
Terminals:	Standard silver plate or optional gold plate for low level applications		
Terminal Hardware:	Terminal lugs, screws and lockwasher when applicable		
Mounting Hardware:	Hex nut, lockwasher and panel seal gasket when applicable		

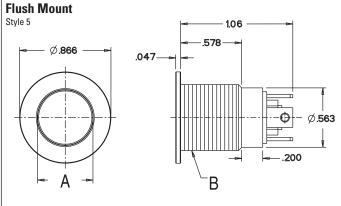
VANDAL RESISTANT PUSHBUTTONS

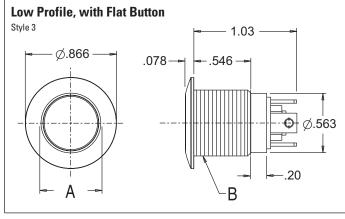
MOMENTARY ACTION, SHORTER BEHIND PANEL, SUBMINIATURE DOUBLE BREAK, SNAP-ACTION

High Profile, with Flat Button Style 1 .158 .467 .200









	Case Style		
Dimension	1 - 4	5 - 8	
A (Button Dia.)	0.525	0.590	
B (Thread)	0.625-24	0.750-20	
D-Flat	0.594	0.718	

P8-V PART NUMBER CODE P8 X X X **Terminal Style/** Type Case Style & Mounting Circuit Current Operating **Button Profile Case Color** Form Rating/Seal **Force** 1. Solder Terminal/Silver V. Vandal Resistant 1. 5/8-24 & Hex Nut 1. N.O. 2. Std./Splashproof 1. 2.5 lbs. 1. High Profile/Flat Button (SS Case & Button) 2. 5/8-24 & Knurl Nut 2. Screw Terminal/Silver 2. N.C. 3. Std./Watertight 2. 4.0 lbs. 2. High Profile/Curved Button A. Security Level 3. 5/8-24 W/D-Flat & Hex Nut 3. Faston Terminal/Silver 23 6. 2 Circuit 4. Low Level/Splashproof 3. Low Profile/Flat Button (AL Case & Button) 4. 5/8-24 W/D-Flat & Knurl Nut 4. Solder Terminal/Black ① 5. Low Level/Watertight 4. Low Profile/Curved Button 5. 3/4-20 & Hex Nut 5. Screw Terminal/Black ① 5. Flush Profile 6. 3/4-20 & Knurl Nut 6. Faston Terminal/Black @@3 ① Only available on P8-A Styles 7. 3/4-20 W/D-Flat & Hex Nut ② Overall length +0.12" for faston terminals 8. 3/4-20 W/D-Flat & Knurl Nut 3 Faston receptacles: 0.187" on N.O.; 0.110" on N.C. terminals