

VANDAL RESISTANT PUSHBUTTONS

P5-V

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ALTERNATE ACTION, SEALED AGAINST DUST & MOISTURE

The P5-V switch gives you all the functionality of the P5 Alternate Action switch with the added benefit of an aluminum security level case and button or a stainless steel vandal resistant case and button.

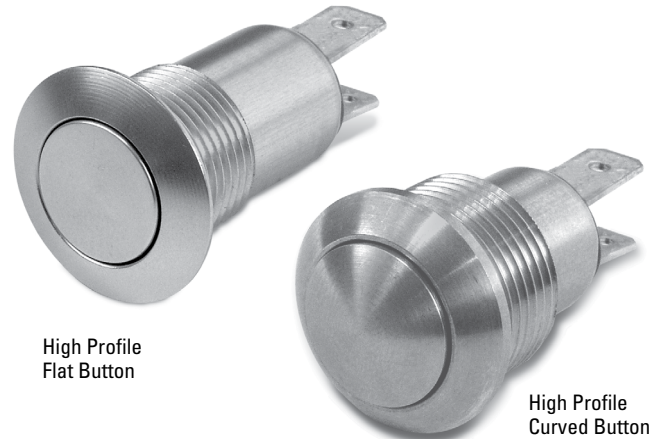
Push and the P5-V switch turns "on." Push again and the switch turns "off." Positive tactile feedback is featured so the operator is clearly aware the switch has been actuated. The button returns to the original position after each actuation.

To guard against front panel splash and dirt the P5-V is sealed at the button with OTTO's patented "rolling sleeve" design. The terminals are sealed with epoxy, providing a seal against flux during wiring and behind panel dirt and moisture. The combination of sealing provides smooth operation over a wide temperature range. Watertight sealing to IP68S is also available.

We are able to provide custom button engraving with epoxy ink backfill and other special characters, shrouded buttons, contact configurations and materials to suit your application requirements.

Features:

- **Security (aluminum) or vandal resistant (stainless steel) case & button**
- **Button sealed with patented "rolling sleeve" design**
- **Contact area sealed at case & terminals**
- **Watertight to IP68S or dusttight & moistureproof to IP64**
- **Less than 25mΩ contact resistance**
- **Handles low level up to 10 amps**
- **1 million mechanical cycle life**
- **RoHS & WEEE Compliant**



Standard Characteristics/Ratings:

ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC, 60/400Hz
Resistive	10A
Inductive	5A
Lamp	1A
Motor	3A
DWV	1050Vrms
Low Level	10mA @ 30mV
Electrical Life:	25,000 cycles
Mechanical Life:	1,000,000 cycles
Seal:	IP64 or IP68S
Operating Temp Range:	-55°C to +85°C
Operating Force:	3.0 lbs. +1/-0.5 lb.
Total Travel:	0.180 inches max
Overtravel:	0.012 inches min

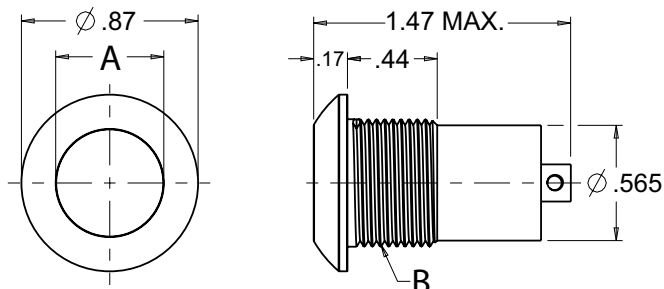
MATERIALS:

Case:	Anodized aluminum alloy or stainless steel
Button:	Anodized aluminum alloy or stainless steel
Terminals:	Brass with gold over silver
Terminal Hardware:	Screw, lockwasher and terminal lug when applicable
Mounting Hardware:	Hex nut or knurl nut, lockwasher and panel seal when applicable

SEALED AGAINST DUST & MOISTURE

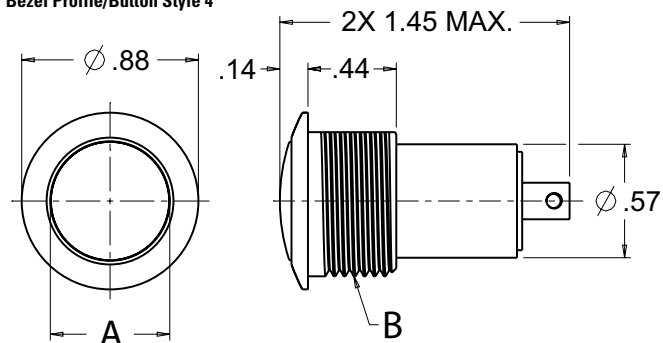
High Profile, Flat Button

Bezel Profile/Button Style 1



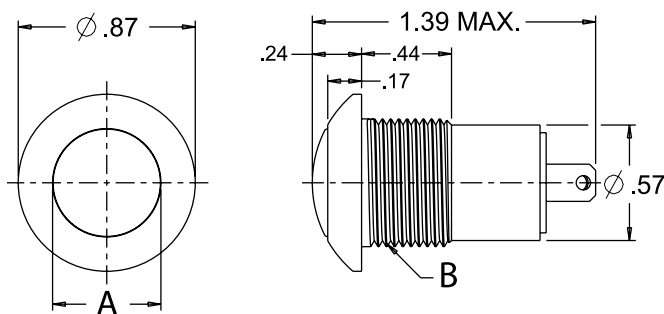
Low Profile, Curved Button

Bezel Profile/Button Style 4



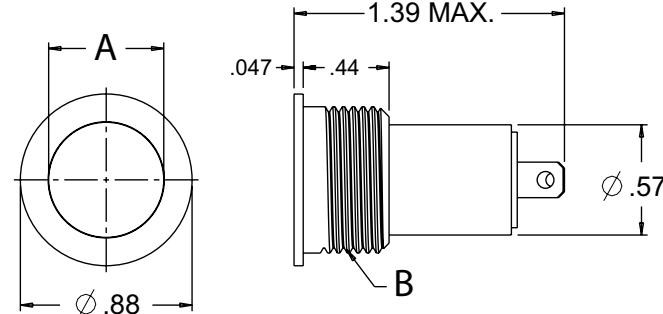
High Profile, Curved Button

Bezel Profile/Button Style 2



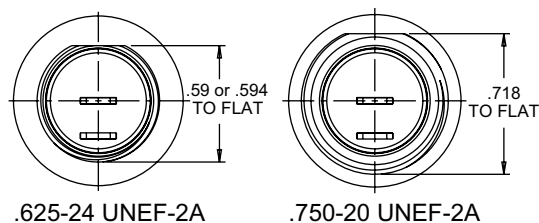
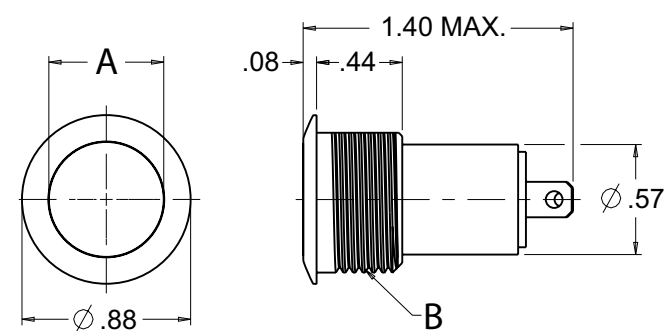
Flush Mount, Flat Button

Bezel Profile/Button Style 5



Low Profile, Flat Button

Bezel Profile/Button Style 3



Case Style		
Dimension	1 - 4	5 - 8
A (Button Dia.)	0.53	0.590
B (Thread)	0.625-24 UNEF-2A	0.750-20 UNEF-2A
D-Flat	0.59 or 0.594	0.718

P5-V PART NUMBER CODE

Type	Thread	Terminal Style/ Bezel Color	Circuit Form/ Contact Material	Seal	Bezel Profile/ Button
V. Stainless	1. 5/8-24 & Hex Nut	1. Solder Terminal/Silver	1. SPST/Silver	1. Dusttight	1. High Profile/Flat Button
A. Aluminum	2. 5/8-24 & Knurl Nut	2. Screw Terminal/Silver ②	2. SPST/Gold	2. Watertight	2. High Profile/Curved Button
	3. 5/8-24 W/D-Flat & Hex Nut	3. Solder Terminal/Black ①	3. SPDT/Silver		3. Low Profile/Flat Button
	4. 5/8-24 W/D-Flat & Knurl Nut	4. Screw Terminal/Black ①②	4. SPDT/Gold		4. Low Profile/Curved Button
	5. 3/4-20 & Hex Nut				5. Flush Profile
	6. 3/4-20 & Knurl Nut				
	7. 3/4-20 W/D-Flat & Hex Nut				
	8. 3/4-20 W/D-Flat & Knurl Nut				

① Only Available on P5-A Styles.

② Screw terminals available on SPST circuits only.

Mouser Electronics

Authorized Distributor

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OTTO:

P5-A44222	P5-A51112	P5-A54124	P5-A13423	P5-A21322	P5-A33221	P5-A14121	P5-A53122	P5-A11125	P5-
A13213	P5-A13325	P5-A33223	P5-A74223	P5-A12114	P5-A12223	P5-A12225	P5-A31221	P5-A33124	P5-
A53325	P5-A11124	P5-A13212	P5-A11111	P5-A32222	P5-A13115	P5-A13124	P5-A71124	P5-A13225	P5-
A53114	P5-A14122	P5-A11122	P5-A11223	P5-A52114	P5-A11123	P5-A12123	P5-A12124	P5-A31222	P5-
A31324	P5-A33324	P5-A11313	P5-A13113	P5-A11114	P5-A33122	P5-A51314	P5-A11112	P5-A51124	P5-
A52124	P5-A11221	P5-A51121	P5-A51114	P5-A31125	P5-A73113	P5-A33421	P5-A11113	P5-A71125	