

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 |
| DVV | 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. +/-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 plate over silver plate |
| Terminal Hardware: | Screw, lockwasher and terminal lug when applicable |
| Mounting Hardware: | Hex nut or knurl nut, lockwasher and panel seal when applicable |

VANDAL RESISTANT PUSHBUTTON SWITCHES

P5-V
VANDAL RESISTANT
PUSHBUTTONS

SEALED AGAINST DUST & MOISTURE

PUSHBUTTONS

| <p>High Profile, Flat Button Style 1</p> | <p>Low Profile, Curved Button Style 4</p> | | | | | | | | | | | | | | | |
|---|--|------------------|--|--|-----------|-------|-------|-----------------|-------|-------|------------|------------------|------------------|--------|-------|-------|
| <p>High Profile, Curved Button Style 2</p> | <p>Flush Mount, Flat Button Style 5</p> | | | | | | | | | | | | | | | |
| <p>Low Profile, Flat Button Style 3</p> | <table border="1"> <thead> <tr> <th colspan="3">Case Style</th> </tr> <tr> <th>Dimension</th> <th>1 - 4</th> <th>5 - 8</th> </tr> </thead> <tbody> <tr> <td>A (Button Dia.)</td> <td>0.525</td> <td>0.590</td> </tr> <tr> <td>B (Thread)</td> <td>0.625-24 UNEF-2A</td> <td>0.750-20 UNEF-2A</td> </tr> <tr> <td>D-Flat</td> <td>0.594</td> <td>0.718</td> </tr> </tbody> </table> | Case Style | | | Dimension | 1 - 4 | 5 - 8 | A (Button Dia.) | 0.525 | 0.590 | B (Thread) | 0.625-24 UNEF-2A | 0.750-20 UNEF-2A | D-Flat | 0.594 | 0.718 |
| Case Style | | | | | | | | | | | | | | | | |
| Dimension | 1 - 4 | 5 - 8 | | | | | | | | | | | | | | |
| A (Button Dia.) | 0.525 | 0.590 | | | | | | | | | | | | | | |
| B (Thread) | 0.625-24 UNEF-2A | 0.750-20 UNEF-2A | | | | | | | | | | | | | | |
| D-Flat | 0.594 | 0.718 | | | | | | | | | | | | | | |

P5 PART NUMBER CODE

| | | | | | | |
|-----------------------------|--|--|--|---|--|----------------------------------|
| P5 | - | X | X | X | X | X |
| Type | Thread | Terminal Style/ Bezel Color | | Circuit Form/ Contact Material | Seal | Bezel Profile/ Button |
| V. Stainless A. Aluminum | 1. 5/8-24 & Hex Nut 2. 5/8-24 & Knurl Nut 3. 5/8-24 W/D-Flat & Hex Nut 4. 5/8-24 W/D-Flat & Knurl Nut 5. 3/4-20 & Hex Nut 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. Solder Terminal/Silver 2. Screw Terminal/Silver ② 3. Solder Terminal/Black ① 4. Screw Terminal/Black ② | 1. SPST/Silver 2. SPST/Gold 3. SPDT/Silver 4. SPDT/Gold | 1. Dusttight 2. Watertight | 1. High Profile/Flat Button 2. High Profile/Curved Button 3. Low Profile/Flat Button 4. Low Profile/Curved Button 5. Flush Profile | |

① Only Available on P5-A Styles.
② Screw terminals available on SPST circuits only.