The P7 series incorporates OTTO's patented double break design in a significantly smaller package than the P1 series. These subminiature switches embrace today's technology requirements by allowing for a large number of switches to fit within a faceplate.

The long life snap-action design is protected from the environment by a silicon rubber boot, operating on a patented "rolling sleeve" principle that gives long sealed life and smooth operation.
The P7 series is designed to meet the requirements of MIL-PRF-8805 including low level switching ( $10 \mathrm{~mA} @ 30 \mathrm{mV}$ ) with power switching up to 5 amps at 28 VDC as well.

A variety of mounting styles are offered to best match the application. The P7-1, P7-2, P7-7 and P7-8 case styles feature a swaged bushing shape to allow press fit installation in aircraft flight control and hand grips and similar applications. The other styles feature threaded bushing mounting. The P7-3 case style has a front panel bezel, while the P7-5 and P7-6 have conventional bushings for rear panel mounted installations. Silver or black bezels are standard. Other colors available on special order.
Pushbuttons are available in a choice of nine colors. Excellent tactile feedback assures the operator that contact transfer has been made.
A choice of MIL-SPEC and commercial versions of these switches are offered: Moistureproof and dusttight to IP64 and MIL-PRF-8805 Design 2 or watertight to IP68S and to MIL-PRF-8805 Design 3.

## Features:

- Low level switching capability
- Less than $25 \mathrm{~m} \Omega$ contact resistance
- High contact pressure
- 6 circuit variations
- Positive tactile feedback
- Variety of mounting styles
- Qualified to MIL-PRF-8805/110
- Moistureproof \& dusttight to IP64 \& MIL-PRF-8805 Design 2 or watertight to IP68S \& MIL-PRF-8805 Design 3
- RoHS/WEEE/Reach compliant



| P7-1 Series <br> Case Style 1 <br> Press Fit Mount <br> Also available with PC terminals. |  | P7-6 Series <br> Case Style 6 15/32" <br> Threaded <br> Bushing <br> Also available with PC pins. |  |
| :---: | :---: | :---: | :---: |
| P7-2 Series <br> Case Style 2 <br> Press Fit Mount <br> Also available with PC pins. |  | P7-7 Series <br> Case Style 7 <br> Press Fit Mount <br> Also available with PC pins. |  |
| P7-3 Series <br> Case Style 3 Bezel/Threaded Bushing <br> Also available with PC pins. |  | P7-8 Series <br> Case Style 8 <br> Press Fit Mount <br> Guarded Button <br> Also available with PC pins. |  |
| P7-5 Series <br> Case Style 5 <br> 1/4" Threaded <br> Bushing <br> Also available with PC pins. |  | Terminal Style "A" \& "B" |  |
| PC Pin Mounting Pattern <br> (As viewed from switch bottom. See above drawings for terminal identification.) |  |  | P7 PART NUMBER CODE |



## Special Large Button, Press Fit

Available with a $0.375^{\prime \prime}$ dia. button with three color options.

| Color | OTTO Part Number |
| :--- | :--- |
| Red | P7-900001 |
| Black | P7-900002 |
| White | P7-900009 |

Contact factory for additional button color options.
Red
P7-900001
2002
P7-900009


Mini Pushbutton, Shrouded


This shrouded pushbutton is designed to reduce the chance of inadvertant actuation. Button size is $.19^{\prime \prime}$. Enclosure design is watertight per IP68S.

## Actuation Momentary

OTTO Part Number P7-900196


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