PUSHBUTTON SWITCHES

MOMENTARY OR PUSH-PULL ACTION, SHORTER BEHIND PANEL, SUBMINIATURE DOUBLE BREAK

Makes and breaks every time!
OTTO’s inherent rocking action
breaks, welds and wipes contacts clean.

The P8 series pushbutton switches feature a shortened back 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 pressure (120g/4.2 oz), low contact resistance (25mΩ max) and short contact bounce (5ms max) are the result of our patented snap-action mechanism. These characteristics guarantee exceptional current carrying capabilities over the life of the switch. With the optional low level (gold plate) configuration the P8 is well suited to interface directly to computers and other solid state devices.

The P8 series is a quality precision snap-action switch designed for use in panel boards, control sticks, computers, instruments, pressure switches and other hand or machine operated applications where rugged pushbutton switches are required. In addition, its precision permits the OTTO P8 to also be used as a limit switch. The P8 offers unique size, high electrical ratings and a wide choice of mounting styles.

Features:
- Shorter behind panel depth than OTTO’s P1/P3
- Patented “rolling sleeve” button seal
- Contact area sealed at button & terminals
- Positive tactile feedback
- Less than 25mΩ contact resistance
- Variety of mounting styles
- Variety of button lengths & shapes
- Engraved buttons & bezels available
- Mechanical life 1 million cycles
- UL recognized
- Sealed to IP64 or IP68S

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ORDERING INFORMATION:
Select the OTTO P8 series switch to match your application requirements. Combinations of features are almost limitless. When ordering, please use the OTTO Part Number.

Example: P8-316329B specifies a "C" style bezel, silver color case, solder terminals, 2 circuit contact configuration, standard contact rating, watertight seal construction, 4.0 lbs. operating force momentary action, white button 0.375" diameter by 0.250" long, dome shaped. For low level switching option, specify P8-316529B.

P8 PART NUMBER CODE

Bezel Style
1. Style A
2. Style B
3. Style C
4. 0.50-32 TPI" 5. 0.469-32 TPI" 6. Style F
7. Style G
8. Style H

Terminal Style/Case Color
1. Solder/Silver
2. Screw/Silver
3. Fasten/Silver
4. Solder/Black
5. Screw/Black
6. Fasten/Black

Circuit Form
1. N.O.
2. N.C.
6. 2 Circuit

Current Rating Level/Seal Type
1. Std.Unsealed
2. Std./Moistureproof
5. Low Level/Moistureproof
6. Std./Dusttight

Operating Force/Action
1. 2.5 lbs./Momentary
2. 4.0 lbs./Momentary
3. Push-Pull

Button Color
1. Red
2. Black
3. Orange
4. Yellow
5. Green
6. Blue
7. Purple
8. Gray
9. White

P8 Button Diameter/Length/Shape
A. 0.375"/0.250"/Flat
B. 0.375"/0.250"/Dome
C. 0.375"/0.187"/Flat
D. 0.375"/0.187"/Dome
E. 0.312"/0.250"/Flat
F. 0.312"/0.250"/Dome
G. 0.312"/0.187"/Flat
H. 0.312"/0.187"/Dome
P. 0.375"/0.250"/Flat

P8-1, Style A Bezel
Press Fit Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

P8-3, Style C Bezel
0.625-24 Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

Small Bushing
P8-4: 0.500-32 Bushing
P8-5: 0.469-32 Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

P8-6, Style F Bezel
0.625-24 Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

P8-7, Style G Bezel
0.625-24 Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

P8-8, Style H Bezel
0.625-24 Bushing
Flat Button Shape Shown
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

Dome Button Shape
Specify Dia.: 0.312" or 0.375"
Height: 0.187" or 0.250"

Push-Pull Button Shape
Available as Button Style P only.

Specifications Subject To Change Without Notice www.ottoexcellence.com 89