

# SPLASH PROOF PUSHBUTTON SWITCHES

# 8P

## FEATURES

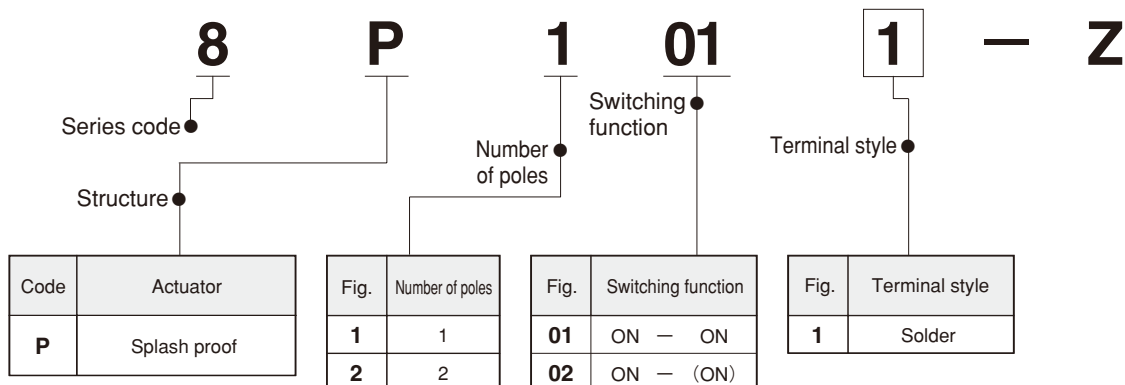
The 8P Splash Proof Push Button Switch is intended for panel sealing and is so designed that with O-rings it can prevent moisture and dust from entering through the panel. Because a Locking Ring cannot be used for panel sealing, the bushing is D-cut to prevent the switch from turning.

The moisture proof and dust proof performance will not be adversely affected if the switch is mounted in a round 6.5 mm diameter panel mounting hole.

## SPECIFICATIONS

|                               |                       |                       |  |
|-------------------------------|-----------------------|-----------------------|--|
| Rating                        | Max. rating           | 6A 125VAC (Resistive) |  |
|                               | Min. rating           | 10mA 5VAC/DC          |  |
| Initial contact resistance    | 10mΩmax. (1A 2~4VDC)  |                       |  |
| Initial dielectric strength   | 1,000VAC 1 minute     |                       |  |
| Initial Insulation resistance | 1,000MΩ min. (500VDC) |                       |  |
| Electrical life               | Alternate type        | 40,000 operations     |  |
|                               | Momentary type        | 25,000 operations     |  |
| Operating temperature range   | -20℃ ~ +85℃           |                       |  |
| Storage temperature range     | -40℃ ~ +85℃           |                       |  |

## PART NUMBERING



## TABLE OF PART NUMBERS

| Terminal style  | Switching function | Number of poles |            |
|-----------------|--------------------|-----------------|------------|
|                 |                    | 1—pole          | 2—pole     |
| S/D<br>(Solder) | ON — ON            | Ⓢ 8P1011-Z      | ★ 8P2011-Z |
|                 | ON — (ON)          | Ⓢ 8P1021-Z      | 8P2021-Z   |

★: Made-to-order items.

## PC HOLE LAYOUTS

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## PANEL CUT - OUT DIMENSIONS

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※ Please contact us if you can't find your preferable combination in the table of part numbers.

■ Specifications are subject to change without notice. Specifications in this catalog are for reference. The formal specification sheets will be submitted upon request.

Sept,  
2007

# 8P

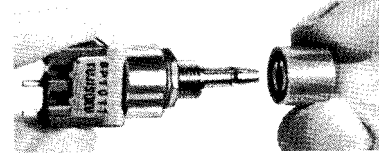
## SPLASH PROOF PUSHBUTTON SWITCHES

### STANDARD ACCESSORIES

| Hex Nut       | Lockwasher   | O—Ring                 |
|---------------|--------------|------------------------|
| 140008010241  | 140008030051 | 140000610076           |
|               |              |                        |
| Nickel plated | Zinc plated  | Nitrile rubber (Black) |

### COLOR BUTTON MOUNTING

Snap-in type button can be easily installed and removed.

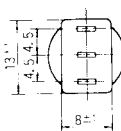
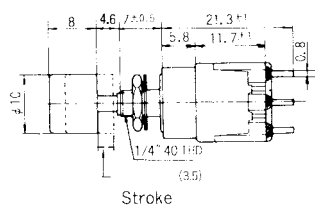
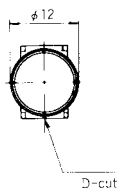


| Part name   |        | Color Button |              |              |
|-------------|--------|--------------|--------------|--------------|
| Dimension A |        | φ 8          | φ 10         | φ 15         |
| Dimension B |        | 7.5          | 8            | 10           |
|             | White  | 140000481420 | 140000480082 | 140000480088 |
|             | Red    | 140000481421 | 140000480083 | 140000480089 |
|             | Black  | 140000481422 | 140000480081 | 140000480090 |
|             | Gray   | 140000481423 | 140000480084 | 140000480091 |
|             | Green  | 140000481424 | 140000480085 | 140000480092 |
|             | Blue   | 140000481425 | 140000480086 | 140000480093 |
|             | Orange | 140000481426 | 140000480087 | 140000480094 |
| Yellow      |        | 140000481427 | 140000480371 | 140000480372 |

● Hex Nut, Lockwasher & O—ring (1 pce each) come with a switch, unmounted. A Color Button shall be specified by button part No.

### OUTLINE DIMENSIONS

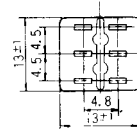
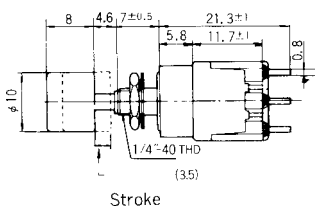
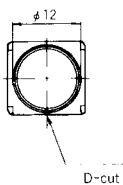
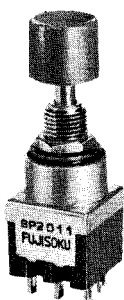
#### SPDT



| Switching function   |     |      |
|----------------------|-----|------|
| Part No.             |     |      |
| ※ 8P101—Z            | ON  | ON   |
| 8P102—Z              | ON  | (ON) |
| Connecting terminals | 2—3 | 2—1  |

※Circuit changes whenever pushed.

#### DPDT



| Switching function   |            |            |
|----------------------|------------|------------|
| Part No.             |            |            |
| ※ 8P201—Z            | ON         | ON         |
| 8P202—Z              | ON         | (ON)       |
| Connecting terminals | 2—3<br>5—6 | 2—1<br>5—4 |

※Circuit changes whenever pushed.

※(ON) : Momentary