

HYPER-MINIATURE PUSHBUTTON SWITCHES

FP

FEATURES

- It is of ultra-compact type. The volumetric ratio is half that of the conventional Series A.
- Immersion cleaning is possible after soldering.
- Terminal mounting is at 0.1-inch pitches.
- Independent detent mechanism provides light feel operability.
- Regarding the contact reliability, a long-term stability is assured by the clip contact.
- Gold plated contacts.

SPECIFICATIONS

| | | |
|-----------------------------|-----------------------------------|-----------------------|
| Rating | Max. | 0.4VA (28VDC max.) |
| | Min. | 1 μ A 20mVDC |
| Initial contact resistance | 100m Ω max | (1.5mA 200 μ VAC) |
| Dielectric strength | 250VAC 1 minute | |
| Insulation resistance | 500M Ω min. | (250VDC) |
| Electrical life | 10,000 operations at max. rating, | |
| Operating force | 1.47 \pm 0.98N | |
| Operating temperature range | -40~+85 $^{\circ}$ C | |
| Storage temperature range | -40~+85 $^{\circ}$ C | |

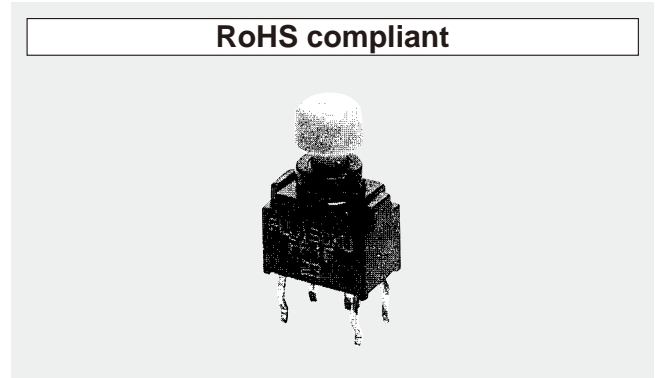
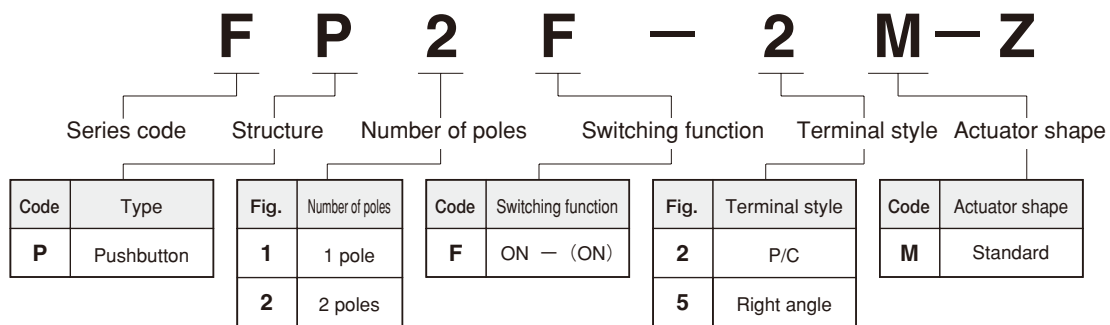



TABLE OF PART NUMBERS

| Number of poles | Switching function | P/C terminal | Right angle |
|-----------------|--------------------|--------------|-------------|
| 1 | ON - (ON) | FP1F-2M-Z | FP1F-5M-Z |
| 2 | ON - (ON) | FP2F-2M-Z | FP2F-5M-Z |

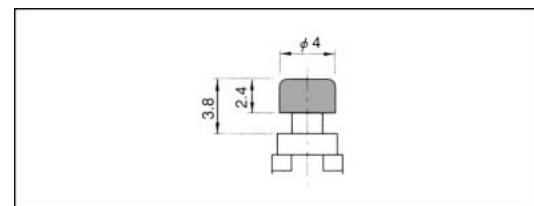
PART NUMBERING



OPTIONAL ACCESSORIES

| Part Name | Dimension | Color | Part Number |
|------------------|--|-------|--------------|
| Color Cap | Gloss finish  ABS resin | White | 140000481453 |
| | | Red | 140000481452 |
| | | Black | 140000481451 |
| | | Gray | 140000481450 |

COLOR CAP MOUNTING



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

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HYPER-MINIATURE PUSHBUTTON SWITCHES**■ PRECAUTIONS****1. Soldering**

(1) Hand soldering

Device : Solder iron

380 °C Max. 3 sec. Max.

(2) Auto soldering

Device : Wave or dip type

275 °C Max. 6 sec. Max.

Preheat should be within 80-120 °C, 120 sec.

(3) When soldering two or more terminals to the common land, use solder resist to solder them independently.

2. Flux Cleaning

(1) Solvents : Fluorine or Alcohol type

(2) Cleaning shall be made when terminal temperature falls to 90 °C or lower. Or, leave the switch at normal temperature for 5 minutes or longer, before cleaning.

(3) Do not apply ultrasonic cleaning.

■ PACKAGING SPECIFICATION