

## FEATURES

An eco-friendly switch-replacing a mercury switch with steel ball inside High corrosive gas resistance-sealed construction by Oring assures high contact reliability

## TYPICAL APPLICATIONS

- For detection of tip

Gas heaters
Electric air conditioners
Electric fans

- For criminal detection

Vending machines
Public phones
Ammusement equipments

## ORDERING INFORMATION

| Vertical mounting type | Part number | Horizontal mounting type | Part number |
| :--- | :--- | :--- | :--- |
|  |  |  |  |

## SPECIFICATIONS

## 1. Contact rating

0.1A 30VDC

Applicable range: 1 mA 5 VDC to 0.1 A 30VDC

## 2. Characteristics

| Expected electrical life <br> (Min. operations) | 0.1 A 30 VDC resistive | Min. $5 \times 10^{3}$ |
| :--- | :--- | :---: |
|  | 1 mA 5 VDC resistive | Min. $10^{6}$ |
| Insulation resistance | Min. 100 m at 500 VDC |  |
| Dielectric strength | $2.9 \mathrm{~m} / \mathrm{s}^{2}\{0.3 \mathrm{G}\} 40$ to 400 Hz for 7 days 5 to 10 Hz at double amplitude of $10 \mathrm{~mm}, 5 \times 10^{5} \mathrm{cycles}$ |  |
| Vibration resistance | $588 \mathrm{~mm} / \mathrm{s}^{2}\{60 \mathrm{G}\}, 6$ directions, 3 times/each direction |  |
| Shock resistance | $-25^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C},-13^{\circ} \mathrm{F}$ to $+185^{\circ} \mathrm{F}$ <br> (not freezing below $0^{\circ} \mathrm{C} 32^{\circ} \mathrm{F}$ ) |  |
| Ambient temperature | Max. $85 \% \mathrm{RH}$ |  |
| Ambient humidity | Max. 100 m <br> Initial contact resistance | (by voltage drop, 0.1 A 6 to 8 VDC) |

## 3. Operating characteristics

| Operating angle <br> (angle of turning off the circuit) | Goes off at more than 25 and less than 60 <br> degrees in relation to the reference line (with <br> an operation angle of 6 degrees/second in the <br> X and Y directions) |
| :--- | :--- |
| Release angle <br> (angle of turning on the circuit) | Goses on at 20 degrees or more (in the $X$ and <br> Y directions) |



HORIZONTAL MOUNTING TYPE


