

# PRESSURE SWITCH FOR WATER PURIFIER MODEL SPS14



1)SPS14 front view    2)SPS14 interface view

This product is specially designed for water purifier, which can replace traditional high-low pressure switch. It is more sensitive action and used for wider range of applications.

## Features

- Dedicated to water purifiers, replacing traditional high and low voltage switches for water purifiers
- More sensitive response and wider applicability

## Technical parameter

### General

#### Basic information

Pressure set range From 0.02 MPa to 1.0 MPa; below 0.6 MPa (gauge pressure) is considered low pressure, while 0.6 MPa and above is considered high pressure

Burst pressure 3.2MPax1min, no damage or leakage

Mechanical lifespan (switching cycles) 100,000

Electrical lifespan (switching cycles) 30,000

#### Electrical overview

Switching load 24...250VAC/0.02...6A;8...36VDC/0.02...3A  
Under the condition of ensuring electrical lifespan without pressure difference switch, the maximum current is 0.5A

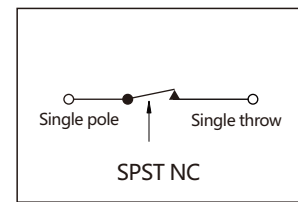
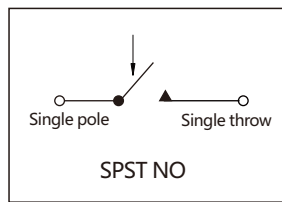
### Operating conditions

Medium Air,water

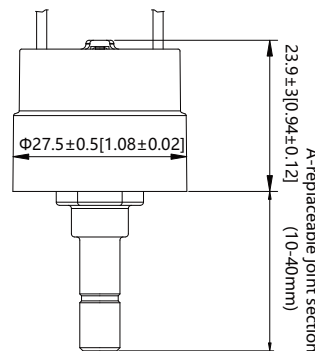
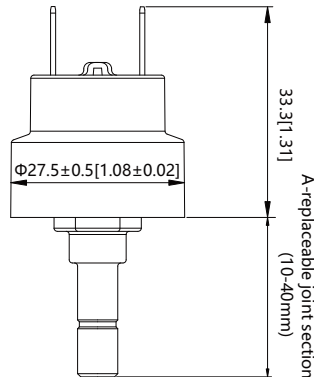
Temperature Ambient:-40...+65°C[-40...+149°F](Low pressure);  
-40...+120°C[-40...+248°F](High pressure)  
Medium:-40...+80°C[-40...+176°F](Low pressure);  
-40...+100°C[-40...+212°F](High pressure)

IP grade IP54

### Contact version



## Dimensiones in mm(in)



## Ordering information

### Example part number:SPS14-101C-10psi

Model SPS14 pressure switch for water purifier,electrical connections:wire leads,process connection:other(Insert rod),interface material:plastics,contact version:SPST-NC,Pressure setting:10psi.

**S P S 1 4** - **1 0 1 C** - **10psi**  
①                      ② ③ ④ ⑤

| Name  | Action Pressure | Tolerance | Proof Pressure |
|-------|-----------------|-----------|----------------|
| SPS14 | 0.02 < 0.6MPa   | ±0.03MPa  | 1.5MPa         |
|       | 0.6 < 1.0MPa    | ±0.03MPa  | 2.0MPa         |

1bar=100kPa=0.1MPa=14.5psi

| Electrical Connections |            |
|------------------------|------------|
| 1                      | Wire leads |
| 2                      | Blade      |

| Process Connection |                    |
|--------------------|--------------------|
| 0                  | Other (Insert rod) |

| Interface Material |         |
|--------------------|---------|
| 1                  | Platics |

| Contact Version |         |
|-----------------|---------|
| C               | SPST-NC |
| O               | SPST-NO |

SPS14 pressure switch for water purifier 11/2024

Please make separate remarks for special requirements.