

## FEATURES

- Robust steel construction
- Can be mounted in any orientation
- 90 Cycles/min switching frequency
- Long mechanical life (10<sup>6</sup> cycles at 70bar)
- 0.5A maximum load (at 250 VAC)
- Accuracy 4% of set pressure
- Mechanical stops
- Wide adjustment range
- N/C or N/O contacts SPDT
- Electrical connectors DIN 43650 plug to IP65

## RS PRO Pressure Switch, G 1/4 20bar to 300 bar

RS Stock No.: 297-0080



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

From the trusted RS PRO brand, a series of double contact adjustable pressure switches designed for hydraulic and pneumatic applications. Designed to detect a rise or fall in fluid pressure, the robust switches provide an electrical signal once the set point pressure is reached. Pre-set pressure is adjusted by rotating a screw which is located in the centre of the switch head. Clockwise to increase the pressure and anti-clockwise to decrease the pressure.

## General Specifications

|                                   |  |
|-----------------------------------|--|
| <b>Pressure Type</b>              | Positive Pressure  |
| <b>Output Type</b>                | NO/NC  |
| <b>Connection</b>                 | G1/4   |
| <b>Type</b>                       | Adjustable   |
| <b>Manufacturer Series</b>        | F4   |
| <b>Connection Thread Standard</b> | G  |
| <b>Contact Operation</b>          | Normally Closed; Normally Open;  |
| <b>LED Indicator</b>              | No   |
| <b>Applications</b>               | Pumps, Compressed air systems, Machine tools, Process control equipment, Sensors, Hydraulics and Pneumatics, Valves and switches |

## Electrical Specifications

|                       |                           |
|-----------------------|---------------------------|
| <b>Voltage Rating</b> | 250V ac                   |
| <b>Maximum Load</b>   | 0.5 Ampere at 250 Volt AC |

## Mechanical Specifications

|                                 |  |
|---------------------------------|--|
| <b>Body</b>                     | Robust steel construction                              |
| <b>Switching Frequency</b>      | 90 cycles/min  |
| <b>Connection Thread Size</b>   | 1/4in  |
| <b>Maximum Pressure Setting</b> | 300bars  |
| <b>Pressure Setting Range</b>   | 20bar to 300bar  |
| <b>Minimum Pressure Setting</b> | 20bar  |
| <b>Switching Accuracy</b>       | Accuracy 4% of set pressure                            |
| <b>Mechanical Life</b>          | Long mechanical life (10 <sup>6</sup> cycles at 70bar) |

## Operation Environment Specifications

|                                      |        |
|--------------------------------------|--------|
| <b>Minimum Operating Pressure</b>    | 20bar  |
| <b>Maximum Operating Pressure</b>    | 400bar |
| <b>Minimum Operating Temperature</b> | -25°C  |
| <b>Maximum Operating Temperature</b> | 85°C   |

## Protection Category

|                            |           |
|----------------------------|-----------|
| <b>IP Rating</b>           | IP65      |
| <b>Electric Protection</b> | DIN 43650 |

## Approvals

|                     |                |
|---------------------|----------------|
| <b>Standard Met</b> | RoHS Compliant |
|---------------------|----------------|

