

## 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 0.2bar to 2.5 bar

RS Stock No.: 297-0046



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>	0.5Ampere 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>Minimum Pressure Setting</b>	0bar
<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>	1bar
<b>Maximum Operating Pressure</b>	2.5bar
<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

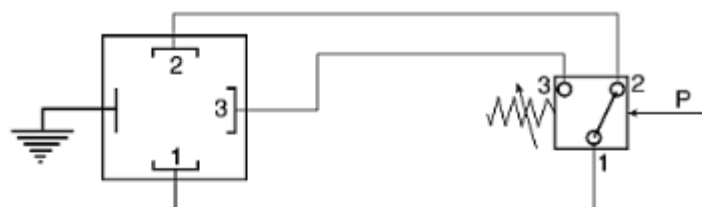
## Approvals

<b>Standard Met</b>	RoHS Compliant
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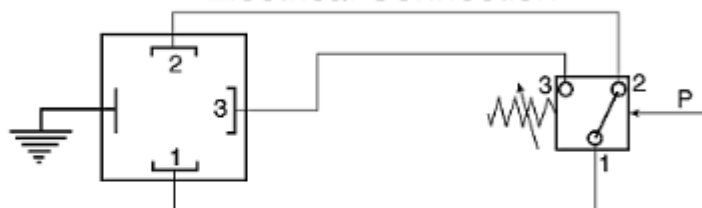




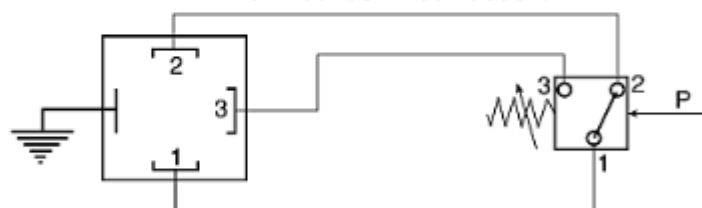
297-0052 does not include a mechanical stop and requires a 2mm allen key in order to adjust



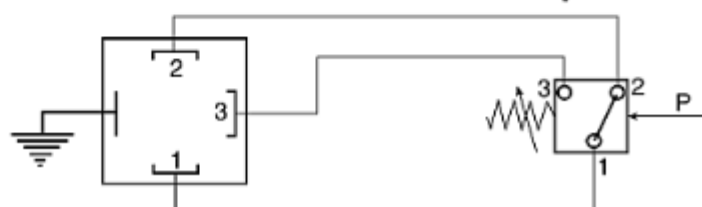
Electrical Connection



Elektrisches Anschlussbild



Connecteur électrique



Connettori Elettronica