

FEATURES

- Robust steel construction
- Can be mounted in any orientation
- 90 Cycles/min switching frequency
- Long mechanical life (10⁶ cycles at 70bar)
- 0.5A maximum load (at 250 VAC)
- Accuracy 4% of set pressure
- Mechanical stops pressurisation
- Wide adjustment range
- N/C or N/O contacts SPDT

RS PRO Pressure Switch, G 1/4 10bar to 100 bar

RS Stock No.: 297-0074



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

Pressure Type	Positive Pressure
Operating Point	Adjustable through an Internal Screw
Output Type	NO/NC
Connection	G1/4
Type	Adjustable
Manufacturer Series	F4
Connection Thread Standard	G
Contact Operation	Normally Closed; Normally Open;
LED Indicator	No
Applications	Pumps, Compressed air systems, Machine tools, Process control equipment, Sensors, Hydraulics and Pneumatics, Valves and switches

Electrical Specifications

Voltage Rating	250V ac
Maximum Load	0.5Ampere at 250 Volt AC
Exchange Contact	NO And NC

Mechanical Specifications

Body	24 mm hexagonal in zinc-plated carbon steel
Switching Frequency	90 cycles/min
Connection Thread Size	1/4in
Maximum Pressure Setting	300bar
Pressure Setting Range	0bar to 300 bar
Minimum Pressure Setting	0bar
Switching Accuracy	± 4% of the pressure settled to 20°C
Membrane Execution	~ 10% of the settled value
Piston Execution	~ 15% of the settled value
Weight	0.05kg
Mechanical Life	106 cycles at 70 bar (1000 psi) at 20°C

Operation Environment Specifications

Minimum Operating Pressure	10bar
Maximum Operating Pressure	100bar
Minimum Operating Temperature	-25°C
Maximum Operating Temperature	85°C

Protection Category

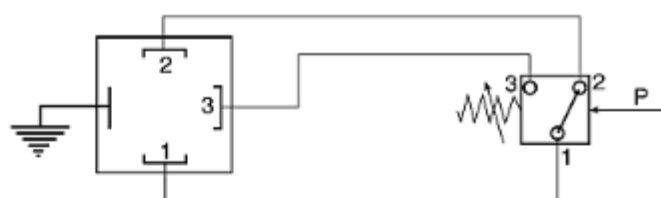
IP Rating	IP65 for M2/M3 execution, IP54 for P2 and P3 execution
Electric Protection	DIN43650, DIN40050

Approvals

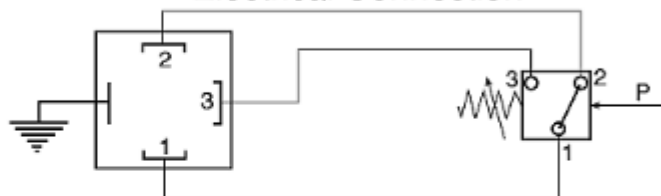
Standard Met	RoHS Compliant
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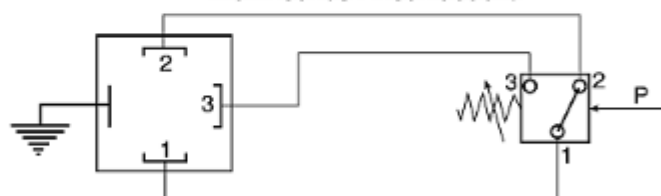
297-0052 does not include a mechanical stop and requires a 2mm allen key in order to adjust



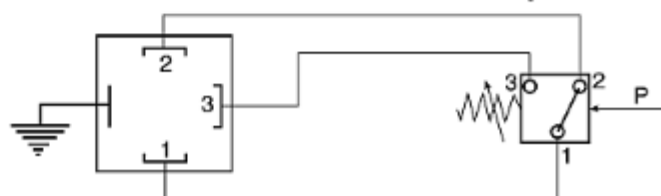
Electrical Connection



Elektrisches Anschlussbild



Connecteur électrique



Connettori Elettronica