

FEATURES

- Anodised aluminium construction
- Can be mounted in any orientation
- 120 Cycles/min switching frequency
- Long mechanical life (10⁶ cycles at 70bar)
- 0.5A maximum load (at 250VAC)
- Accuracy ±1% of set pressure
- Fixed Hysteresis 15% of full-scale reading
- Wide temperature range -20° to 80°C
- Mechanical stops
- Wide adjustment range

RS PRO Pressure Switch, G 1/4 30bar to 300 bar

RS Stock No.: 297-0018



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 adjustable pressure switches designed for hydraulic and pneumatic applications. Designed to detect a rise or fall in fluid pressure, the durable switches provide an electrical signal once the set point pressure is reached. Pre-set pressure is adjusted via a graduated knob which can be locked with a grub screw. Clockwise to increase the pressure and anti-clockwise to decrease the pressure. Mechanical stops protect both the spring and the micro-switch from over pressurisation.

General Specifications

Pressure Type	Positive Pressure
Suitable Media	Oil
Output Type	NO/NC
Connection	G1/4
Type	Adjustable
Manufacturer Series	K5
Connection Thread Standard	G
Contact Operation	Normally Closed; Normally Open;
LED Indicator	No
Mounting	Any orientation
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

Mechanical Specifications

Body	Anodised Aluminium
Switching Frequency	120 cycles/min
Contact Rating (ac)	5A @ 250V
Contact Rating (dc)	0.25 @ 250V
Connection Thread Size	1/4" BSP Female or CETOP 3/5
Maximum Pressure Setting	500bar
Pressure Setting Range	0 to 500 bar
Minimum Pressure Setting	0bar
Switching Accuracy	Accuracy \pm 1% of set pressure
Weight	0.35kg
Mechanical Life	Long mechanical life (10 ⁶ cycles at 70bar)
Fixed Hysteresis	15% of full scale reading

Operation Environment Specifications

Minimum Operating Pressure	30bar
Maximum Operating Pressure	300bar
Minimum Operating Temperature	-20°C
Maximum Operating Temperature	80°C

Protection Category

IP Rating	IP65
Electric Protection	DIN 43650

Approvals

Standard Met	RoHS Compliant
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