

## PSM-520 AYARLANABİLİR BASINÇ ŞALTERİ (SWITCH)

### Applications

- Pumps
- Compressors

### Special features

- Adjustable on site
- Protection cap for switch point adjustment



Pressure switch, heavy-duty version, model PSM-520

### Description

The PSM-520 is used in industrial control, monitoring and alarm applications.

The switch point can be specified by the customer on site.

The instrument can switch electrical loads of up to AC 230 V, 10 A.

The PSM-520 pressure switch offers many application possibilities with non-corrosive media like oil, water and air.

## Specifications

Unit	Setting range <sup>1)</sup>	Permissible switch point on rising pressure	Adjustable switch differential <sup>2)</sup>	Max. working pressure
bar	0 ... 5	0.4 ... 5	0.4 ... 4	16
	0 ... 7	0.6 ... 7	0.6 ... 6	16
	6 ... 15	7.5 ... 15	1.5 ... 5	32
	6 ... 30	9 ... 30	3 ... 8	42
	-0.4 ... +7	0.2 ... 7	0.6 ... 6	16
psi	0 ... 70	6 ... 70	6 ... 55	230
	0 ... 100	9 ... 100	9 ... 85	230
	85 ... 215	107 ... 215	22 ... 72	450
	85 ... 425	130 ... 425	45 ... 115	610
	-6 ... +100	3 ... 100	9 ... 85	230

1) Switch point and reset point have to be within the setting range

2) The difference between the switch point and the reset point is also known as switch hysteresis

### Non-repeatability of the switch point

≤ 2 % of span

### Switch contact

1 x change-over contact / SPDT <sup>3)</sup>



<sup>3)</sup> Single pole double throw

### Electrical rating

Current consumption <sup>4)</sup>	Voltage	Current
Resistive load AC-1	AC 230 V	10 A
Inductive load AC-15	AC 230 V	6 A

4) per DIN EN 60947-1

## Operating conditions

### Permissible temperature ranges

Ambient: -25 ... +70 °C (-13 ... +158 °F)

Medium: -20 ... +70 °C (-4 ... +158 °F)

Storage: -20 ... +80 °C (-4 ... +176 °F)

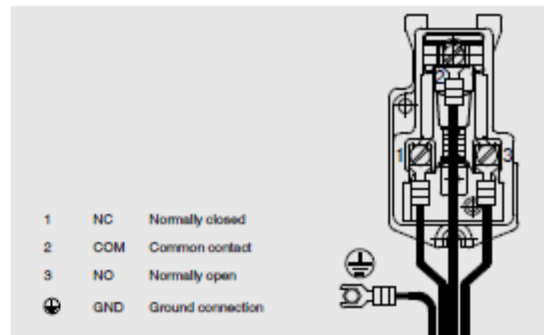
## Reference conditions

### Relative humidity per BS 6134

< 50 % r. h. at 40 °C (104 °F)

< 90 % r. h. at 20 °C (68 °F)

## Terminal assignment



## Electrical connection

Rubber grommet for cables Ø 6 ... 14 mm (Ø 0.24 ... 0.55 in)

## Ingress protection per IEC/EN 60529

IP33

The ingress protection is only valid if all mounting holes on the rear of the instrument are covered, or for panel mounting on flat surfaces.

## Process connections

Process connection per	Thread size
ISO 228-1	G ¼ female
	G ¼ B

## Materials

### Wetted parts

Bellow: Copper alloy CuSn6 per EN 1652

### Process

connection: Free cutting steel EN1A per EN 10277-3, tin-plated