

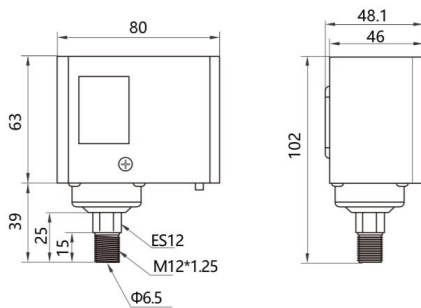
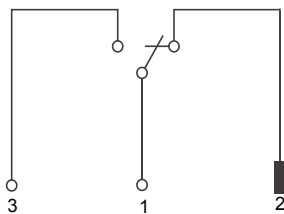
PW140A Mechanical adjustable pressure switch


Principle structure

The PW140A series pressure switches are built with bellows and mechanical structures. When the pressure of the system rises or falls, the corresponding adjusting springs and waves generate stretching or shrinking displacement, which is driven by the lever to cut off or close the control circuit.

Product features

Compact structure, wide measuring range (0... 30bar), high repeatability, adjustable hysteresis, silver plated contact.

Size chart (mm)

Wiring diagram

Technical parameters

- ◇ Measurement range: see table below for details
- ◇ delays: see the table below
- ◇ errors: see the table below
- ◇ output: normally open + normally closed contact silver plating

DC or less 42 v, 3 a

8.5 ADC 125 v or less

4.5 ADC 250 v or less

- ◇ medium temperature: -30... 100 °C

- ◇ protection level: IP33

- ◇ Wiring mode: terminal wiring

- ◇ Interface thread: m12x1.25

- ◇ Material: liquid parts: brass nickel plating

- ◇ shell: NBR

Parameter table

model	adjusting range (bar)	Adjustable hysteresis (bar)	specification error (bar)	repetitive (bar)
PW140A-02MM12H	0...2	0.2...1	± 0.2	0.08
PW140A-03MM12H	0...3	0.3...1.2	± 0.2	0.08
PW140A-06MM12H	0...6	0.4...1.5	± 0.3	
PW140A- 10MM12H	1...10	1...3	± 0.5	0.2
PW140A- 12MM12H	2...12	1...4	± 0.5	0.2
PW140A- 16MM12H	4...16	1...4	± 1.0	0.25
PW140A-20MM12H	4...20	1...4	± 1.0	0.35
PW140A-30MM12H	5...30	2...0.8	± 1.5	0.5

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Order guide

PW140A -	0 1 2	M 1 2 M	detailed
PW140A			PC200 Mechanical pressure switch
	0 0 2		adjustable range:0...2
	0 0 4		adjustable range:0...4
	0 0 6		adjustable range:0...6
	0 1 0		adjustable range:1...10
	0 1 2		adjustable range:2...12
	0 1 6		adjustable range:4...16
	0 2 0		adjustable range:4...20
	0 3 0		adjustable range:5...30
		G 1 2 M	Interface thread:G1/2 Externalthread
		M 1 2 M	Interface thread:M12x1.25 Externalthread

note: 1bar=1.02kg/cm²=0.1M