



Product features

- maximum pressure 80bar
- set range from 0.5... 2 bar to 2... 20 bar
- high repeatability
- anodized aluminum shell
- large contact capacity of 250VAC, 0.6a
- compact design, compact size
- both gas and liquid
- spdt output (normally open + normally closed)

principle structure

PC310 series pressure switches are made of thin film (low pressure) or piston (high pressure) measuring elements and can be used for gas or liquid pressure detection. When the pressure reaches a set point, the moving part triggers a spring supported micro switch. Panel mount.

product application

Can measure medium gas, air, lubricating oil, oil and so on.

Technical parameters

Measuring medium: liquid or gas

pressure adjustment range: see technical parameters

repeatability: ± 3% (depending on the set point)

Output mode: gold-plated contact micro switch SPDT
(normally open + normally closed)

switching capacity

maximum: 250VAC,3A

no signal: 30VDC,2A

with signal: 24-250v, 0.6a

Regulation mode: hexagon socket screws

switching frequency: MAX.100 times/min

ambient temperature: -20... 85

medium temperature: -20... 80

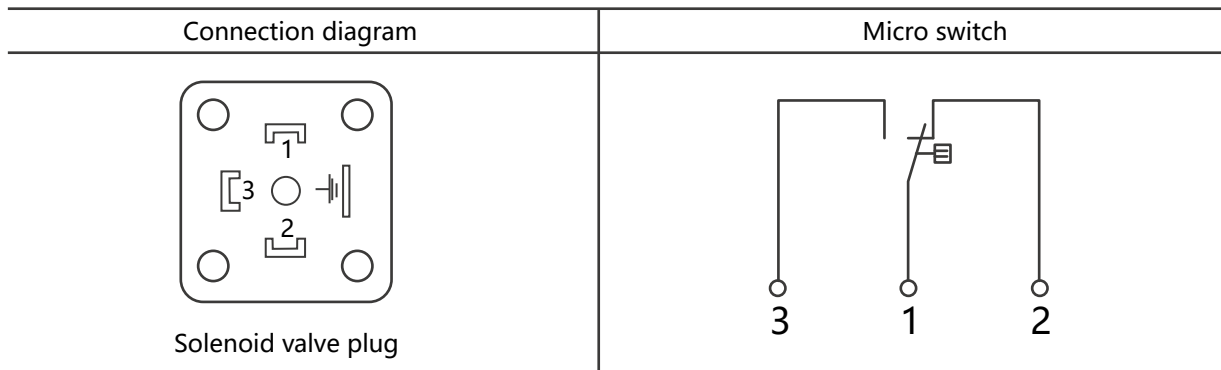
Shell material: anodized alumina

contact liquid material: NBR, aluminum

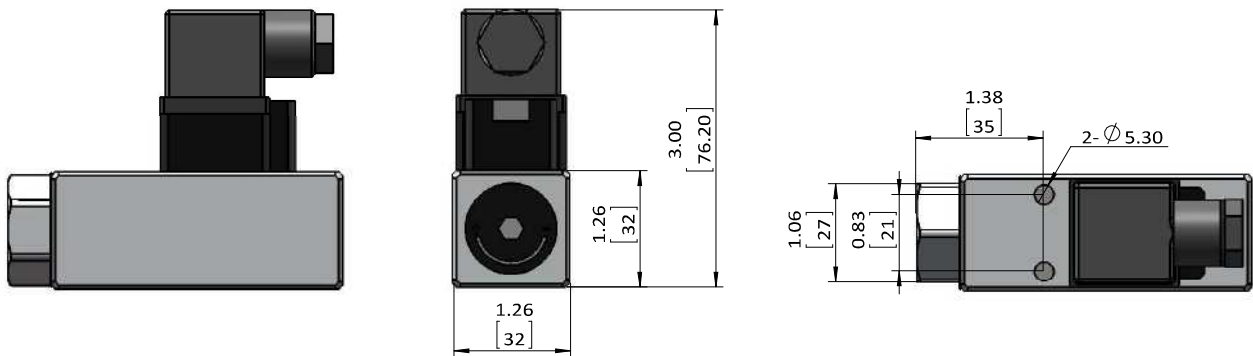
process connections: aluminum/steel/stainless steel optional

outgoing mode: solenoid valve joint

wiring diagram



Size chart (mm)



Selection table

PC310-	002	PT14K	L	detailed	highest pressure bar (psi)
PC31				PC310 mechanical pressure switch	
	002			Adjustable range:0.5...2 bar(7.25...29 psi)	80(1160)
	008			Adjustable range:1.5...8 bar(21.75...116 psi)	80(1160)
	020			Adjustable range:2...20 bar(7.25...290 psi)	80(1160)
		PT14K		PT1/4 Internal thread connection	
			L	Shell material: anodized alumina	

*Specific can be customized according to customer requirements