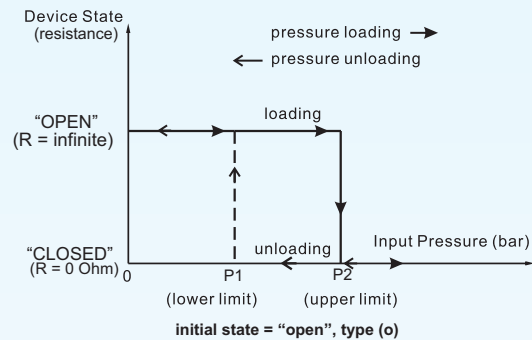
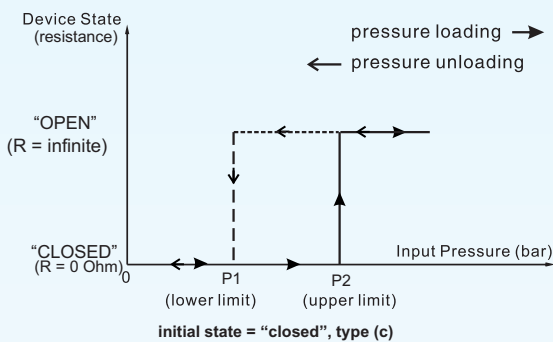


Model 323 Pressure Switches

Description:

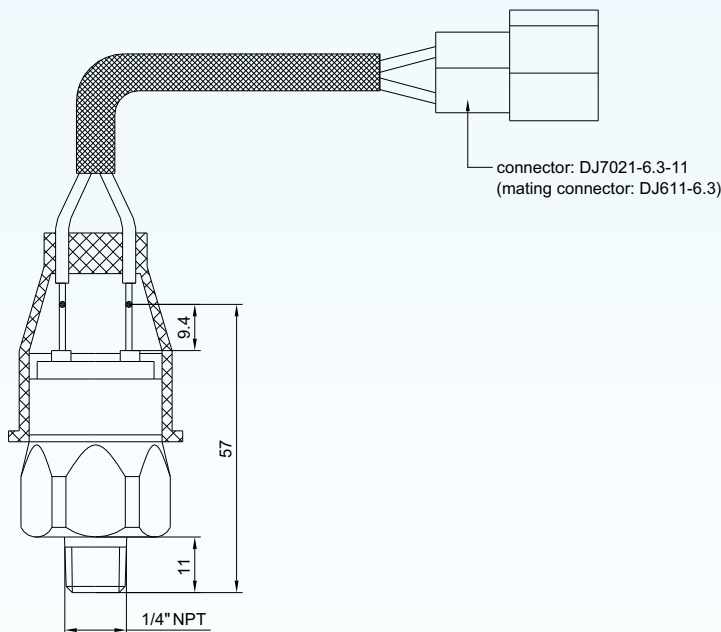
BCM 323 series pressure switch is a low-cost device of general purpose for industrial automation or process control application. The 323 pressure switch is composed of a common spring tube and associated with moving parts of relevant electrical contacts. These parts are isolated and located inside the housing.

Two types of 323 pressure switches are available: initially open (type O) and initially closed (type C). Take type C as an example (refer to the left diagram below), when there is no pressure input (zero pressure), the electrical contacts of 323 are connected to each other, which is corresponding to an "CLOSED" state of the device, and the electrical resistance is zero between the associated contacts of 323. If the input pressure increases gradually the upper limit of pressure (P2), the moving parts enables switching and results in the electrical contacts disconnected, referred to an "OPEN" state of the device. In the "OPEN" state, the electrical resistance is infinite between the associated electrical contacts of 323. Once the input pressure decreases gradually from P2 down to the lower limit of the pressure (P1), the moving parts of the device is switched back to its initial position, having the electrical contacts connected again. Therefore, the 323 comes back to its initial "CLOSED" state, restoring the zero electrical resistance between the associated electrical contacts of 323. As the electrical contacts of 323 can be disconnected and connected again by the variation of input pressure, with 323 series pressure switches, one can disconnect and connect an actuator in an industrial automation system.



working characteristics of 323

Dimensions:



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Model 323 Pressure Switches



Specifications:

parameters	units	specifications	
initial state	/	open (type o), close (type c)	
pressure type		gauge	
working pressure ranges*	bar	0.3~3, 0.6~6, 1~13, 4~28, 6~60	1~4, 5~15, 16~40, 41~70, 71~100
overload limit	bar	300	600
repeatability	%fs	5	
life time	cycle	1x10 ⁶	
storage temperature range	°C	-40 ~ 130	
ambient temperature (temp.) range	°C	-40 ~ 130	
power supply (pilot duty**)	VA	100	
process interface	/	1/8NPT, G1/8, 1/4NPT, G1/4, M10 x 1.5, M20 x 1.5, G1/2	
electrical interface	/	150 mm cable (standard), or two 6.3 x 0.8mm contacts	
environment protection	/	IP 65 (with rubber protection)	
material	thread	stainless steel (standard), zinc plated steel	
	housing	stainless steel with rubber protection (standard)	
		stainless steel without rubber protection	

The listed specifications are subject to change without prior notice.

*: The switching pressures (set points) can be set at any points within the working pressure range upon request.

The requested set points will be fixed by the manufacturer before the delivery.

The set points adjustable type is available on request.

** : Pilot duty is used to define the relation between the rated current and the supplied voltage.

How to order: model - P2/P1 - fixed or adjustable set points - process connection - electrical connection
- with or without rubber protection

ordering code example: 323(type o) - 0.5bar/2bar-fixed-1/4NPT-150mm cable-with rubber protection



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