

PZP600 Pressure Switch

Introduction

The PZP600 is a mechanical pressure switch designed for general purpose of industrial automation or process control systems. The working principle of the unique design of the piston / diaphragm, the accuracy of the technology of high pressure piston and diaphragm technology together, make the switch operation has high sensitivity. The switching pressures can be set at any point within the working pressure range upon request.

There are two types of the PZP600 pressure switches, one is type-O and the other type-C. The difference in these two types is their initial states: The initial state of the type-O refers to open circuit, while the type-C has closed circuit initially.

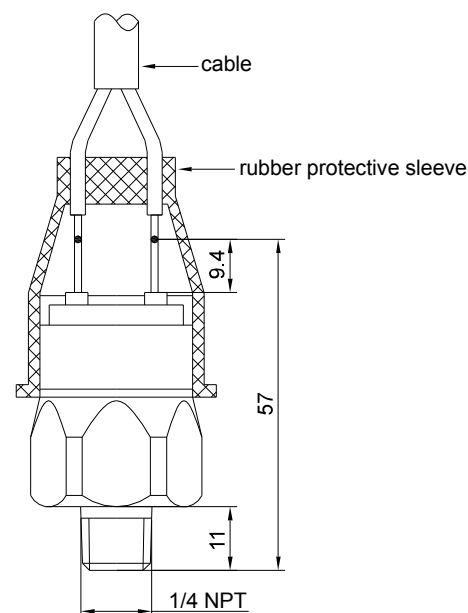
There are various available options of process connections for the PZP600 pressure switch so that this pressure switch is suitable for diverse applications, for instance, hydraulic and pneumatic braking systems, mobile hydraulics, hydraulic power unit, process control and so on.

Applications

- Industrial automation
- Process control
- Hydraulic and pneumatic braking systems,
- Mobile hydraulics
- Hydraulic power unit,
- Mechanical engineering



Dimensions



Notes: - All dimensions are in mm.

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PZP600 Pressure Switch

Specifications

Parameter	Units	Data	Notes
Initial state	/	Closed circuit (type-C), Open circuit (type-O)	
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 pressure	bar	300	
Repeatability	%fs	≤ ±5	
Operating temperature range	°C	-40 ~ +130	
Storage temperature range	°C	-40 ~ +130	
Power supply (pilot duty)	VA	100	
Life time	cycle	10 ⁶	
Environment protection	/	with rubber protective sleeve (IP65) (standard),or without	
Electrical connection	/	two 6.3mm x 0.8mm contacts (standard),100mm cable	
Pressure connection	/	1/4NPT, G1/4, M10 x 1.5, M20 x 1.5, G1/2	
Piston material	/	stainless steel	
Wetted parts material	/	zinc plated steel (standard)	
Electronics housing material	/	zinc plated steel (standard)	
Net weight	gram	~150	

Notes:

[1]. Switching pressures can be set at any point within the working pressure range upon request.

[2]. Pilot duty is used to define the relation between the rated current and the supplied voltage.

Ordering Guide

Ordering Code:

model-initial state (type-C or type-O) -working pressure range- set pressure point

-process connection-electrical connection-with or without rubber protection-(*)

“(*)” is necessary only if any customized parameter is required, otherwise it is neglectable

Example of Ordering Code:

PZP600-C-1bar/13bar-10bar-G1/4-two contacts-with rubber protection

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