

# PCS103 Pressure Switches

## Features

- 100 thousand mechanical life and high reliability
- Short action time and high sensitivity
- High pressure resistance and high safety
- With metal shell design, the switch is more resistant to vibration and external impact
- Pressure value can be adjusted
- More shell types/pressure range/thread types/diaphragm types can be selected, which is suitable for more use occasions and has high adaptability
- Oil, water gas and other mediums can be controlled

## Applications

- Construction machinery, such as excavators, forklift truck )
- Hydraulic system, such as hydraulic lubrication pump and hydraulic pump station

### Notes:

- 1 Do not touch the diaphragm with hard objects, which may cause damage to the diaphragm.
- 2 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.
- 3 Strictly follow the wiring method for wiring, otherwise it may cause product damage or other potential faults.
- 4 Misuse of the product may cause danger or personal injury.



## Product overview

In the industrial and automotive fields, a certain pressure value is usually set for the equipment when the pressure reaches this value, the system will send an electronic signal to start the mechanical equipment which triggers a warning (such as a leak of equipment, an alarm, etc.). this is the plunger type pressure switch. The max pressure can not be exceeded to 1000 bar.

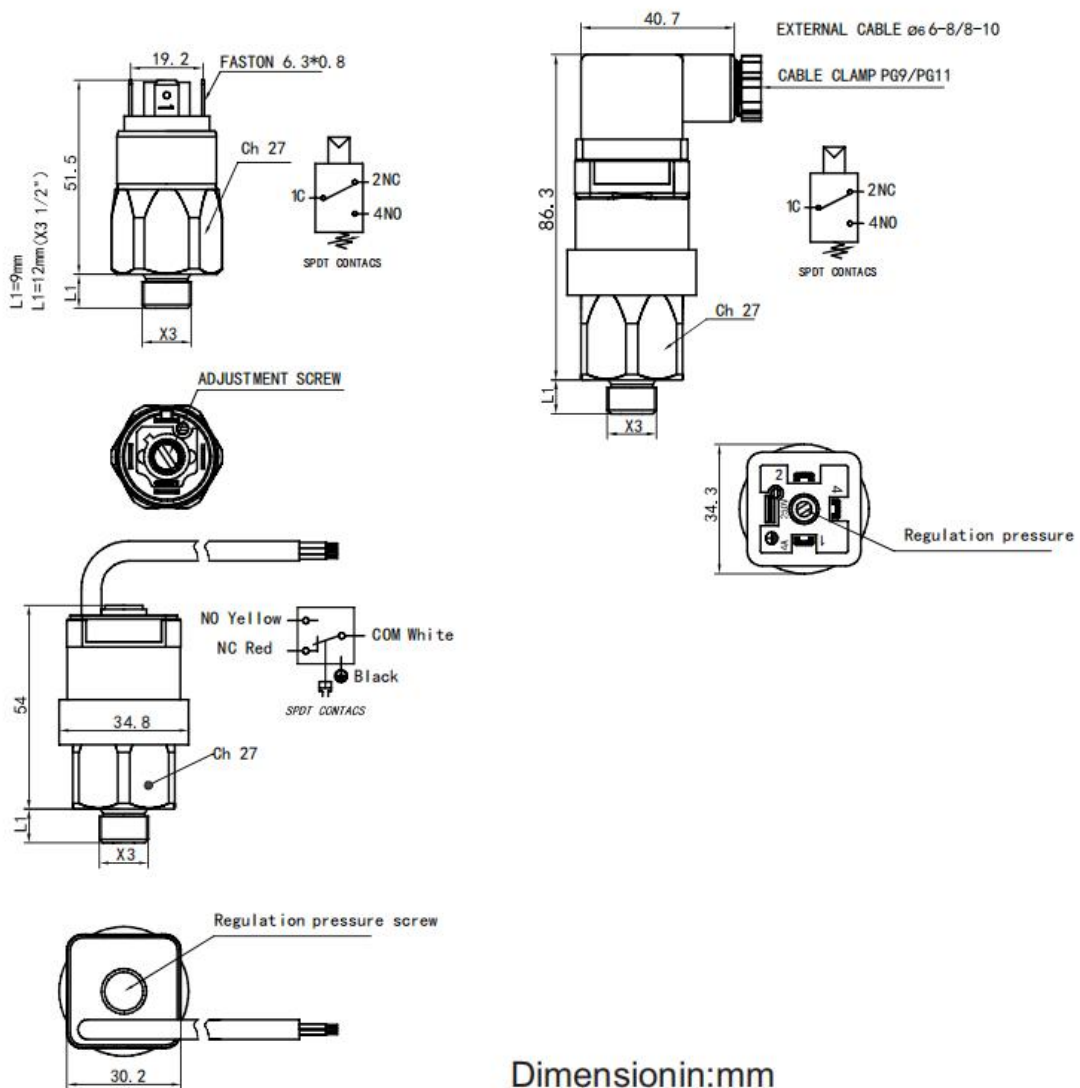
### Notes:

- 1 Do not misuse documentation.
- 2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- 3 Complete installation, operation, and maintenance information is provided in the instructions of the product.
- 4 Misuse of the product may cause danger or personal injury.

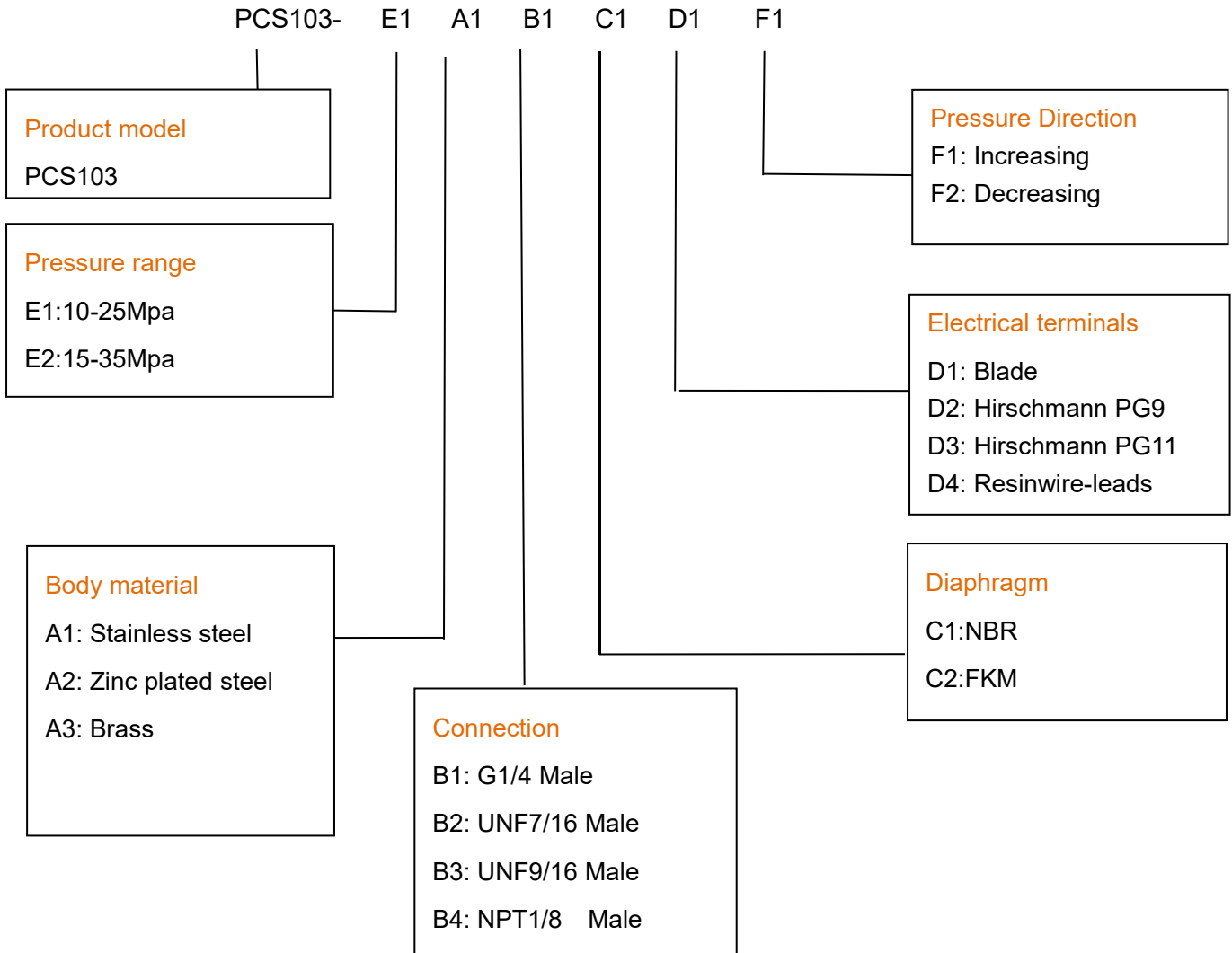
## Performance Parameters

Body material	Zinc plated steel / Stainless steel / Brass
Max voltage	250VAC/42VDC
Contact	Silver cadmium alloy
Max current	4A
Working temperature range	-40°C~100°C(Different diaphragm)
Mechanic durability	10 <sup>5</sup>
Electric durability	10 <sup>4</sup>
Pollution situation	Normal
Repeatability	2%
Protection	Wireleads:IP00,Hirschmann:IP65,Resinedwires:IP67
Max working pressure	800bar
Burst Pressure	1000bar
Weight	0.15Kg

## Drawing



## How to order



### Example: PCS103 - E1A1B1C1D1F1

The product model is PCS103, E1: 10-25Mpa pressure range, A1: stainless steel for body material B1: G1/4 Male, C1: NBR diaphragm, D1: Blade electrical terminals F1: Pressure Direction increasing

Wotian reserves the right to make any change in this publication without notice. The information provided is believed to be accurate and reliable as of this product sheet.

### Contact us

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