

Main specifications

- ▼ **Contact wiring**
Push-on / Spade
- ▼ **Hex length**
27 mm
- ▼ **Pressure connection**
M10 x 1, M12 x 1.5, 1/8" PT
1/4" PT, G1/8" , G1/4" ,
1/8" NPT, 1/4" NPT
- ▼ **Adjustable pressure range**
0...0.3 to 100bar
(≤ 20bar with UL certification)
- ▼ **Applicable fluid**
Gas and liquid that compatible
with connection material
- ▼ **Operating temperature**
-10~+100°C (standard)
-30~+100°C (low-temp type)
- ▼ **Vibration resistance**
10G/5-200Hz sine-wave

Other Specifications

- ▼ **Case material**
Zinc-plated steel / SS316 / Brass
- ▼ **Diaphragm material**
NBR / Viton / EPDM
- ▼ **Contact type**
SPDT
- ▼ **Contact rating**
2A/50VDC, 4A/250VAC
- ▼ **Response frequency**
2Hz
- ▼ **Max. Voltage**
1.5KV
- ▼ **Electric insulation**
100MΩ
- ▼ **Accuracy**
±0.1bar / ±0.5bar / ±5% F.S.
(depends on range)
- ▼ **Service life**
1.5 x 10⁶ cycles (< 50bar)
- ▼ **Screw torque**
<0.35Nm

Mechanical Pressure Switch

Model: AT-PS275

Introduction

AT-PS275 pressure switch is suitable for pressure detection and monitor in piping system, automobile braking system, air compressor, medical equipment and tire manufacturing industry. Opposing the diaphragm is a compression spring. When the process pressure is greater than the force of the compression spring the switch contact will open or close depending on the choice of the contact form.



Adjustable Pressure Range

Code	Pressure range	Accuracy
RS1	0.3~0.9bar	± 0.1bar
RL1	1~9.9bar	± 0.5bar
RL2	10~19bar	± 5% F.S.
RM1	20~49bar	± 5% F.S.
RH1	50~100bar	± 5% F.S.

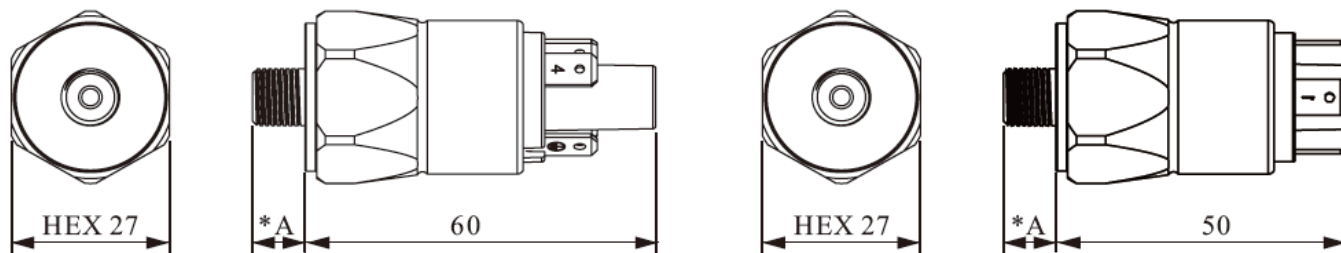


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- Robust in any severe application
- High quality, cost effective
- A variety of fixed or adjustable ranges, materials and electrical connections are available
- Suitable for using in a pressurized system to accommodate the sensing and controlling of process pressure

Dimension



Push-on

*A: 9mm connection -

M10 x 1 (taper), M10 x 1, G1/8" , 1/8" PT, 1/8" NPT

Spade

*A: 12mm connection -

M12 x 1.5, G1/4" , 1/4" PT, 1/4" NPT

How to order

AT-PS275		Mechanical Pressure Switch				
Code	Pressure range					
Custom	Please refer to adjustable pressure/fixed pressure range table and select corresponding code					
Code	Pressure connection					
M0	M10 x 1 (taper)					
M1	M10 x 1					
M2	M12 x 1.5					
1P	1/8" PT					
2P	1/4" PT					
G1	G1/8"					
G2	G1/4"					
1N	1/8" NPT					
2N	1/4" NPT					
Code	Body material					
Z	Zinc-plated steel					
SS	SS316					
B	Brass					
Code	Diaphragm material					
N	NBR					
V	Viton					
D	EPDM					
NL	NBR (low temperature -30-100°C)					
VL	Viton (low temperature -30-100°C)					
DL	EPDM (low temperature -30-100°C)					
Code	Contact wiring					
P	Push-on					
E	Spade					
Code	Other requests					
/A	Third party notarized document					
/B	Inspection report (issued by Re-Atlantis)					
/C	Tag					
AT-PS275	RL2	2P	SS	N	E	Order example: AT-PS275-RL2-2P-SS-N-E