

MD-S710 SERIES ELECTRONIC PRESSURE SWITCH

TECHNICAL CHARACTERISTICS:

- ✓ Range: 0~0.1...1.0...60MPa (optional)
- ✓ Integrated structure, shock and vibration resistant
- ✓ Compact size, easy to install
- ✓ Quick reaction and long service life
- ✓ Output: NPN or PNP



MD-S710 series electronic pressure switch, built-in high-precision pressure sensor, adopt integrated welding structure, no sealing ring, compact size, good shock resistance, strong anti-interference.

MD-S711 can be preset with alarm points and hysteresis, which can be used as a single-point alarm switch to realize control functions, such as low voltage close high voltage open, or high voltage close low voltage open etc.

MD-S712 can be preset with two pressure alarm values, which is suitable for the use of vehicle air compressor, tram, subway and other strong vibration and high-frequency action conditions, but also suitable for hydraulic machinery, automatic control equipment and other requirements of shock resistance, quick response to the application scenarios.

APPLICATION:

- ◇ Vehicle air compressor
- ◇ High-speed train
- ◇ Hydraulic equipment
- ◇ Automatic control equipment
- ◇ Automatic production line
- ◇ other occasions for replacing pressure mechanical switches

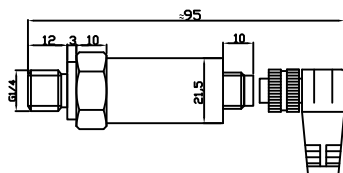
SPECIFICATION:

Range	0~0.1...1.0...60MPa
Acc.	1%FS
Over Pressure	> 10MPa 150%; ≤ 10MPa 200%
Burst Pressure	> 10MPa 200%; ≤ 10MPa 300%
Set Range	3%~95% *Full Range (Preset before delivery)
Control Difference	3%~95% *Full Range (Preset before delivery)
Power Supply	9~33V (Typical values for 24VDC)
Output	NPN or PNP (Preset before delivery)
Switching Capacity	100mA
Working Current	< 7mA
Operating Temperature	-40~85°C
Electrical Connection	Air Plug or Straight out
Electrical Protection	Anti-reverse protection, anti-electromagnetic interference
Connection	G1/4 NPT1/4 (customized)
Hexagon Size	S22
Connector Material	304SS
Diaphragm Material	316LSS
Measurement Medium	Non-corrosive medium to 304SS
Sealing Method	Laser welding without seals

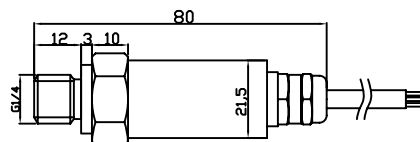


DIMENSION:

UNIT:mm



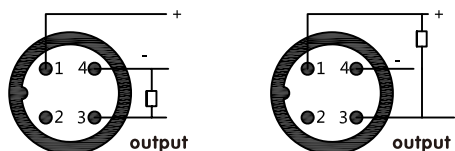
■ Aviation plug



■ Straight-out

ELECTRICAL WIRING DIAGRAM:

S711 definition of wiring for single point electronic pressure switch



PNP

NPN

Power supply+	Red
Power supply-	Black
Output1	Green

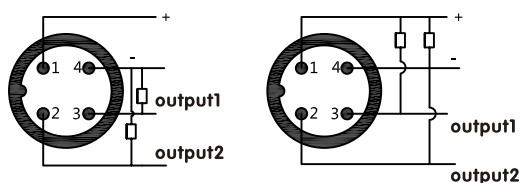
Power supply+	Brown(1)
Power supply-	Black(4)
Output1	Blue(3)

*The definition of outlet color is subject to the actual product label

■ Straight-out

■ Aviation plug

Definition of wiring for S712 two-point electronic pressure switch



PNP

NPN

Power supply+	Red
Power supply-	Black
Output1	Green
Output2	White

Power supply+	Brown(1)
Power supply-	Black(4)
Output1	Blue(3)
Output2	White(2)

*The definition of outlet color is subject to the actual product label

■ Straight-out

■ Aviation plug

SELECTION GUIDE:

