

KDS711/2 electronic pressure switch

product description

KDS710 series electronic pressure switch, built-in high-precision pressure sensor, adopts transistor output, NPN/PNP output is optional, output has the characteristics of no delay, no jitter, etc., and has a long service life.

KDS711 can preset an alarm value, which can be used as a single-point alarm switch, or it can preset the hysteresis to realize the control function.

The high voltage is closed and the low voltage is disconnected.

KDS712 can preset two pressure alarm values, which is suitable for the use of strong vibration and high-frequency actions such as on-board air compressors, trams, subways, etc., and also suitable for hydraulic machinery, automatic control equipment and other applications that require impact resistance and fast response. Scenes.



Applications:

- ◇ Vehicle air compressor
- ◇ High-speed train
- ◇ Hydraulic equipment
- ◇ Automatic control equipment
- ◇ Automated production line
- ◇ Other occasions instead of mechanical pressure switch

Technical characteristics

- ☆ 0~0.1...1.0...60MPa range optional
- ☆ No delay, fast response
- ☆ No mechanical parts, long service life
- ☆ NPN or PNP output is optional, single point and double point are optional

Parameter index

Range 0~0.1...1.0...60MPa

Accuracy level 1%

Overload pressure $\leq 10\text{MPa}$ 200%; $>10\text{MPa}$ 150%

Breaking pressure $\leq 10\text{MPa}$ 300%; $>10\text{MPa}$ 200%

Setting range 3%~95%*full scale (must be preset before leaving the factory)
Control difference 3%~95%*full scale (must be preset before leaving the factory)
Power supply voltage 9~32V (typical value 24VDC)
Output signal NPN or PNP (preset before delivery)
Load current $\leq 100\text{mA}$
Working current $< 7\text{mA}$
Working temperature $-40\sim 80^{\circ}\text{C}$
Electrical connection DIN or straight out
Electrical protection Anti-reverse connection protection, anti-electromagnetic interference
Thread interface M20 \times 1.5 G1/4 NPT1/4 or customized thread
Interface material 304 stainless steel
Diaphragm material 316L stainless steel
Measuring medium Non-corrosive medium to 304

