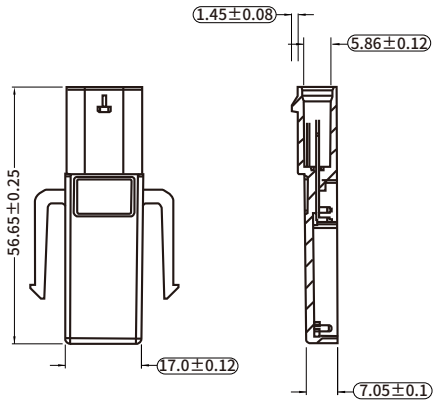
General Specification

Valve position sensor

NO: AS-1001

Dimensions (mm)



Product characteristics

- Non-contact measurement - No mechanical contact between sensor and rotating shaft.
- Absolute position feedback - Provides real angular position 0 to 90 , 0 to 180.
- High resolution & accuracy - Enables precise coolant flow control.
- Compact integration e.g.Small PCB inside actuator housing or Integrated magnet + Hall IC.
- Multiple output types e.g. analog voltage 0.5 - 4.5V / PWM. Flexibile for integration with BMS or ECU.

Applications

- Valve position Feedback detection for 5-way motorized coolant valves in a BMS cooling system

Product performance characteristics

Parameter	Rating
Power Requirement	DC Input: 12V ±0.5V
The angle range of the ball valve -6° ~ 27°	DC Output: 1V ±0.3V (10K Load) DC Output: 1V +0.6V /-0.4V (Automotive systemload condition)
The angle range of the ball valve 27° ~ 63°	DC Output: 2.5V ±0.3V (10K Load) DC Output: 2.5V +0.6V/-0.5V (Automotivesystem load condition)
The angle range of the ball valve 63°~ 96°	DC Output: 4V ±0.3V (10K Load) DC Output: 4V +0.7V/-0.6V (Automotive systemload condition)

Please contact sales@xintec.hk for latest product details