

## Magnetic Switch, Code : CXY12-10KA

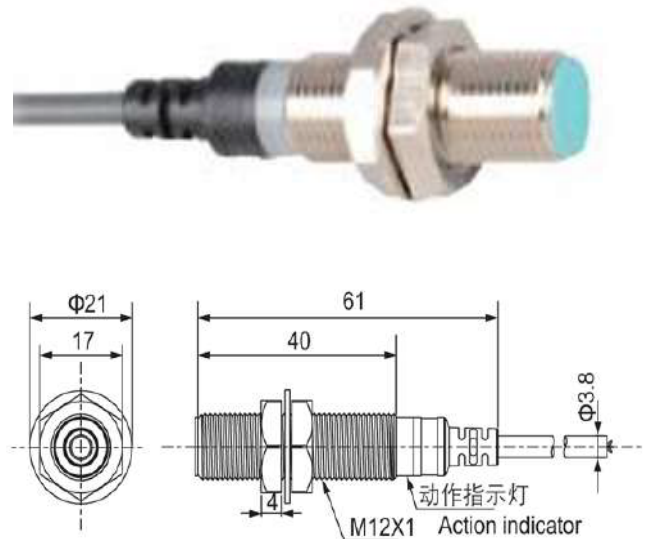
Magnetic switch is an electrical switch that switches when a magnetic field affects it. They are useful in situations where moving elements cannot make direct contact with the switch. i.e. explosive environments. CXY12-10LA has a long use-life cycle, high reliability, is easy to install with economic price. It gives Red LED status indication, so it becomes easy to confirm work situation.

### General Attributes

- Sensing distance : 10mm
- Hysteresis : 3-20%
- Consumption current : < 10mA
- Power supply : 5-240VDC/AC
- Response frequency : 150Hz
- Residual voltage : Max. 1V
- Affection by Temp : Max. ±10% for sensing distance at ambient temperature 20°C
- Control output : 200mA
- Insulation resistance : Min. 50MΩ(at 500VDC megger)
- Dielectric strength : 1500VAC 50/60Hz for 1minute
- Vibration : 1mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 2 hours
- Shock : 500m/s<sup>2</sup>(approx. 50G) X, Y, Z directions for 3 times
- Indicator : Operation indicator(red LED)
- Ambient temperature : -15~+55°C(No icing)
- Storage temperature : -15~+55°C( No icing)
- Ambient humidity : 35~95%RH (No condensation)
- Protection : IP65 (IEC Standard)

### Application Notes

Inside surge protection, Reverse polarity protection  
 Detection of magnets through walls made of non-ferrous metal, stainless steel, aluminium plastic or wood.  
 Detection of positions without contact or wear and tear in control technology.  
 In the food industry the magnetic sensor is often used in connection with pigs (cleaning devices which pass through the inside of pipes).  
 Exact position can be detected from the outside through the wall of the stainless steel pipe.



For further information please visit : <https://goo.gl/N8W4Gk>

