

# Techsense Bangladesh Ltd

## Magnetic Switch, Code : CXF18-10LA

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. CXF18-10LA 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>

We are the authorized distributor of CNTD in Bangladesh.

