

# Techsense Bangladesh Ltd

## Proximity Sensor, Code : CJF18E-05PA

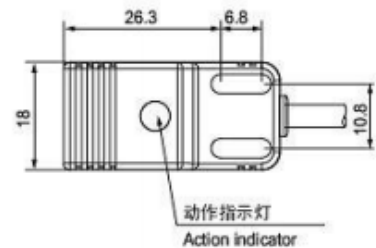
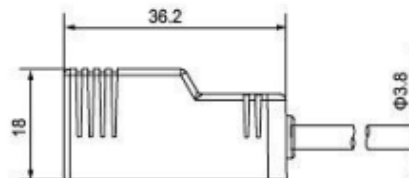
A proximity sensor is a sensor able to detect the presence of nearby objects without any physical contact. An inductive proximity sensor is a type of non-contact electronic proximity sensor that is used to detect the position of metal objects. The sensing range of an inductive switch is dependent on the type of metal being detected. Ferrous metals, such as iron and steel, allow for a longer sensing range, while nonferrous metals, such as aluminum and copper, can reduce the sensing range by up to 60 percent. Since the output of an inductive sensor has two possible states, an inductive sensor is sometimes referred to as an inductive proximity switch.

### General Attributes

- Sensing distance : 5mm
- Hysteresis : Max. 10% of sensing distance
- Standard sensing target: 25×25×1mm (Iron)
- Setting distance : 0~3.5mm
- Power supply : 2-24VDC (10-30VDC)
- Frequency : 200Hz
- Residual voltage : Max. 1.0V
- Control output : 200mA
- Insulation resistance : Min. 50MΩ (at 500VDC megger)
- Indicator : Operation indicator (red LED)
- Ambient temperature : -25~+70°C (No icing)
- Storage temperature : -30~+80°C (No icing)
- Ambient humidity : 35~95%RH
- Cable : φ4.8, 3P, 1.5m, AWG24,  
Core diameter: 0.1mm, Number  
of cores: 25, Insulator diameter: φ1.25
- Protection : IP67 (IEC Standard)

### Application Notes

- Position Detection
- Speed Sensing
- Limit Switching
- Pulse Generation
- Distance Measurement
- Gear tooth detection for motion monitoring
- Valve position control during processing
- Foil seal detection inside plastic caps
- Can position detection on a beverage line



### Wiring Diagram

For further information please visit : <https://goo.gl/1q8nfX>

We are the authorized distributor of CNTD in Bangladesh.

