SENSOR SHOP BD

Techsense Bangladesh Ltd

Proximity Sensor, Code : CJF17-05NB

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 : 18×18×1mm(Iron)
- Setting distance : 0~3.5mm
- Power supply : 12-24VDC (10-30VDC)
- Leakage current : Max.1.0mA
- Response frequency : 700Hz
- Control output : 200mA
- Insulation resistance : Min. 50MΩ (at 500VDC -megger)
- Dielectric strength : 1500VAC 50/60Hz for 1minute
- Indicator : Operation indicator (red LED)
- Ambient temperature : -25~+70°C(No icing)
- Storage temperature : -30~+80℃(No icing)
- Ambient humidity : 35~95%RH (No condensation)
- Cable : φ3.8, 3P, 2m, AWG24, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ1.25
- Material: Case : Heat-resistant ABS, Standard cable(Dark Grey): Polyvinyl chloride(PVC)
- 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

For further information please visit : https://goo.gl/SCIB4E

LISTED IND. CONT. EQ. 81U2 for use in the secondary of a class 2 source of supply

IND. CONT. EQ 81U2 for use in the secondary of a class 2 source of supply Environmental - Type 1 Enclosure

We are the authorized distributor of CNTD in Bangladesh.