

# Lanbao CR30SCN15DN0 Capacitive Proximity Sensor – 15mm



## **Product Description**

This capacitive proximity sensor is used for non-contact detection of metallic and non-metallic objects such as liquid, powder and granular materials; it can also detect materials through glass or plastic walls.

Note that the standard detecting distance is based on a standard shape approaching the sensor in a standard way. The real detecting distance will vary depending on the shape, thickness and type of material being detected.

You can adjust the operating distance by turning a screw placed on the bottom end of the sensor.

## **Comes packaged with**

- 2 plastic rings
- a screwdriver



## **Connection**

You can use a 12V sensor adapter to connect this sensor to your InterfaceKit or Hub. See the Compatible Products tab for more details

## **Product Specifications**

## **Sensor Properties**

|                           |                           |
|---------------------------|---------------------------|
| Detecting Distance Max    | 15 mm                     |
| Setting Distance Max      | 12 mm                     |
| Sensor Type               | Proximity<br>(Capacitive) |
| Sensor Output Switch Type | Normally Open             |
| Detection Hysteresis Min  | 3 %                       |
| Detection Hysteresis Max  | 20 %                      |
| Sensor Response Time Max  | 20 ms                     |

## Electrical Properties

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Supply Voltage Min         | 10 V DC                                                   |
| Supply Voltage Max         | 30 V DC                                                   |
| Current Consumption<br>Max | 15 mA                                                     |
| Protection Circuitry       | Reverse Polarity,<br>Surge, Overload and<br>Short-Circuit |

## Physical Properties

|                           |            |
|---------------------------|------------|
| Cable Length              | 2 m        |
| Material                  | PBT        |
| Operating Indicator       | Yellow LED |
| IP Rating                 | IP67       |
| Length                    | 70 mm      |
| Diameter                  | 25 mm      |
| Operating Temperature Min | -25 °C     |
| Operating Temperature Max | 70 °C      |
| Operating Humidity Min    | 35 %RH     |
| Operating Humidity Max    | 95 %RH     |