

# Lanbao CR18SCN08DN0 Capacitive Proximity Sensor – 8mm



## **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 side of the sensor.

## **Comes packaged with**

- 2 plastic rings
- a screwdriver



## **Connection**

This sensor connects to a Phidget InterfaceKit or Hub with a digital input. See the “Compatible Products” tab for details.

## **Product Specifications**

## **Sensor Properties**

Detecting Distance Max	8 mm
Setting Distance Max	6.4 mm
Sensor Type	Proximity (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 Max	15 mA
Protection Circuitry	Reverse Polarity, Surge, Overload and Short-Circuit

## Physical Properties

Cable Length	2 m
Material	PBT
Operating Indicator	Yellow LED
IP Rating	IP67
Length	78 mm
Diameter	18 mm
Operating Temperature Min	-25 °C
Operating Temperature Max	70 °C
Operating Humidity Min	35 %RH
Operating Humidity Max	95 %RH