Lanbao CR30SCN15DNO 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 (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	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