

Capacitive Proximity Sensor, cylindrical, M12 threaded, non-shielded, PBT housing, NPN NO, sensing 1mm-6mm adjustable, 2m 3-wire cable



## PXCAPCKN12-06NO

### Capacitive Proximity Sensor

#### Features

- Fast response
- Corrosion resistant housings
- Short-circuit protection
- Long service life
- IP67 protection

#### Applications

- Industrial Automation
- Automotive
- Materials production
- Warehouse automation
- Food & Beverage

#### Description

The L-com PXCAPCKN12-06NO is a proximity sensor, which is used in countless IoT and industrial automation applications. This capacitive proximity IOT sensor is designed in a cylindrical shape and is suitable for the materials production, warehouse automation, automotive, food, and beverage industries. Our IP67 sensor has an adjustable sensing distance of 1 to 6mm, which allows users to count, inspect objects, and detect their presence and position without physical contact. This proximity sensor is made of corrosion resistant PBT and has a tough IP67 housing.

#### General Specifications

Design Type	Cylindrical
Output Type	NPN
Sensing Distance	1 to 6 mm
Supply Voltage	10-30 VDC
Repeat Accuracy	5 %
Hysteresis	15 %
IP Rating	IP67
Housing Material	PBT
Housing Size	M12
Protective Circuit	Short Circuit
Connection Method	2M 3-wire Cable
Leakage Current	0.01 mA
Load Current	150 mA
Voltage Drop	2 V
Mounting	With M12 nuts, tightening torque 16Nm

(For more information please consult User Manual)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Capacitive Proximity Sensor, cylindrical, M12 threaded, non-shielded, PBT housing, NPN NO, sensing 1mm-6mm adjustable, 2m 3-wire cable](#)

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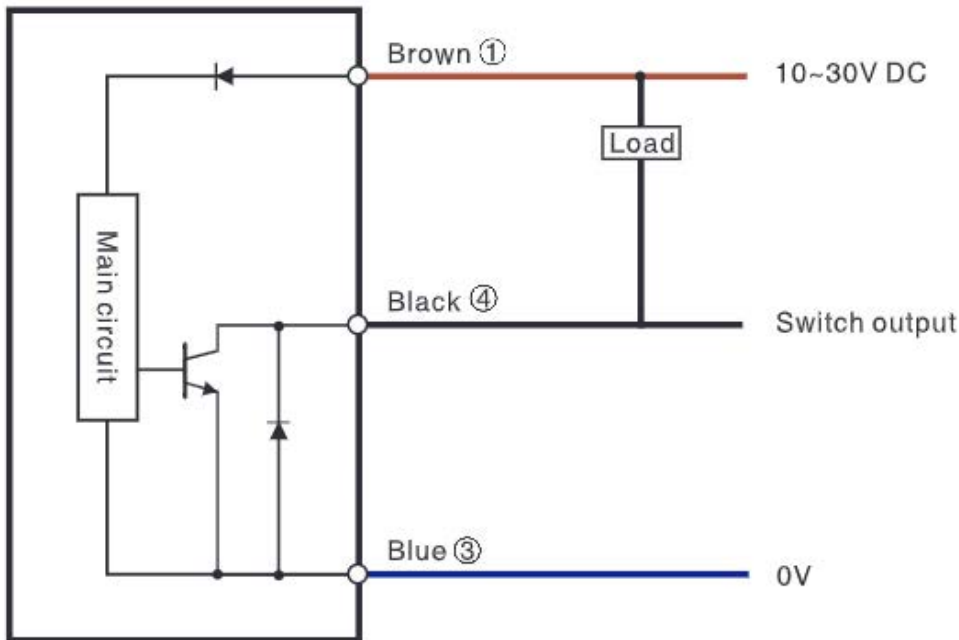
## PXCAPCKN12-06NO

### Capacitive Proximity Sensor

#### Circuit Diagram

#### DC 3-Wire

#### NPN Output



#### Environmental Specifications

##### Temperature

Operating Range

-25 to +75 deg C

Capacitive Proximity Sensor, cylindrical, M12 threaded, non-shielded, PBT housing, NPN NO, sensing 1mm-6mm adjustable, 2m 3-wire cable from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

