

Photoelectric Sensor, Cylindrical, M18 Ni-Cu housing, PNP
NO, thru-beam, Sensing distance 20m, 2m 3-wire cable



PXPEPM18-TM20PO

Photoelectric Sensor

Features

- Shock resistant epoxy filled housings
- Corrosion resistance
- LED indicator
- IP67 protection

Applications

- Manufacturing
- Automotive
- Food and Beverage
- Warehouse Automation
- Robotics

Description

The L-com PXPEPM18-TM20PO is a photoelectric sensor developed to determine the proximity, absence, or presence of an item using a light transmitter. This sensor uses thru-beam as a detection method and has a M18 nickel-copper alloy housing. The thru-beam sensor has a cylindrical shape, an LED indicator, and a single PNP NO (Normally Open) output.

General Specifications

Sensing Type	Diffuse Reflection
Design Type	M18 Cylindrical
Light Source Infrared	850 nm
Output Type	PNP
Sensing Distance	20,000 mm
Supply Voltage	10-24 VDC
IP Rating	IP67
Housing Material	Ni-Cu
Ambient Brightness	<10,000 Lux
Ambient Temperature	-25 to 55 deg C
Protective Circuit	Reverse polarity, short circuit, and surge
Detected Object	18mm, opaque
Connection Method	2M 3-wire Cable
Electrostatic	8,000 V
Load Current	150 mA
Withstand Voltage	±1000V 50/60Hz 60s
Indicator	Tx: Yellow, Rx Yellow, Power: Green
Switch Type	Selectable L.on/D.on
Resistance	10~50Hz, 0.5mm amplitude, X, Y, Z direction 2 hours each

(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:
[Photoelectric Sensor, Cylindrical, M18 Ni-Cu housing, PNP NO, thru-beam, Sensing distance 20m, 2m 3-wire cable PXPEPM18-TM20PO](#)

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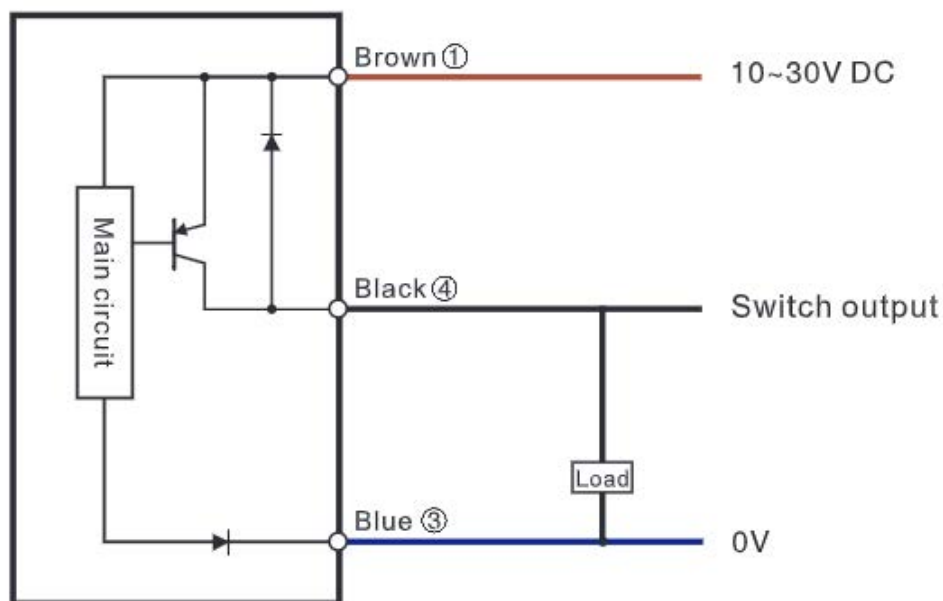


PXPEPM18-TM20PO

Photoelectric Sensor

Circuit Diagram

PNP Output



Environmental Specifications

Temperature

Operating Range

-25 to +55 deg C

Storage Relative

35% to 85%

Photoelectric Sensor, Cylindrical, M18 Ni-Cu housing, PNP NO, thru-beam, Sensing distance 20m, 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.

L-com CAD Drawing

