

Laser Displacement Sensor, Class 2, sensing distance 300mm to 700mm, 4-20mA, RS-485, 2m 9-wire cable



PXDPCMLD21-500A-485

Laser Displacement Sensor

Features

- CMOS sensor elements
- Optical Auto-compensation
- Multiple outputs
- Wide sensing range

Applications

- Electronic components
- Manufacturing
- Automotive
- Materials production
- Warehouse automation
- Food & Beverage

Description

The L-com PXDPCMLD21-500A-485 is a laser displacement sensor with class 2 safety and is suitable for high-volume production, industrial automation, and other discrete manufacturing applications. This sensor has a sensing distance of 300mm to 700mm with a fast response time. The class 2 IoT proximity sensor is built with multiple output types, including a RS-485, 4-20mA, as well as NPN and PNP.

General Specifications

Sensing Type	Diffuse Reflection
Output Type	Multiple Output
Sensing Distance	300 to 700 mm
Supply Voltage	12-24 VDC
Repeat Accuracy	0.6 mm
Insulation Resistance	>20MΩ@500 VDC
IP Rating	IP67
Anti-Vibration	10 to 55 Hz at 1.5mm double amplitude for 2 hours
Housing Material	Front Cover: PC; Case: Aluminum; Cable: PUR
Ambient Brightness	<3,000 Lux
Protective Circuit	Reverse voltage, Output overcurrent, Input/Output power surge
Connection Method	2M 9-wire Cable
Indicator	Laser indicator (Blue), Digital output (Green), Digital input (Yellow)

(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:
[Laser Displacement Sensor, Class 2, sensing distance 300mm to 700mm, 4-20mA, RS-485, 2m 9-wire cable PXDPCMLD21-500A-485](#)

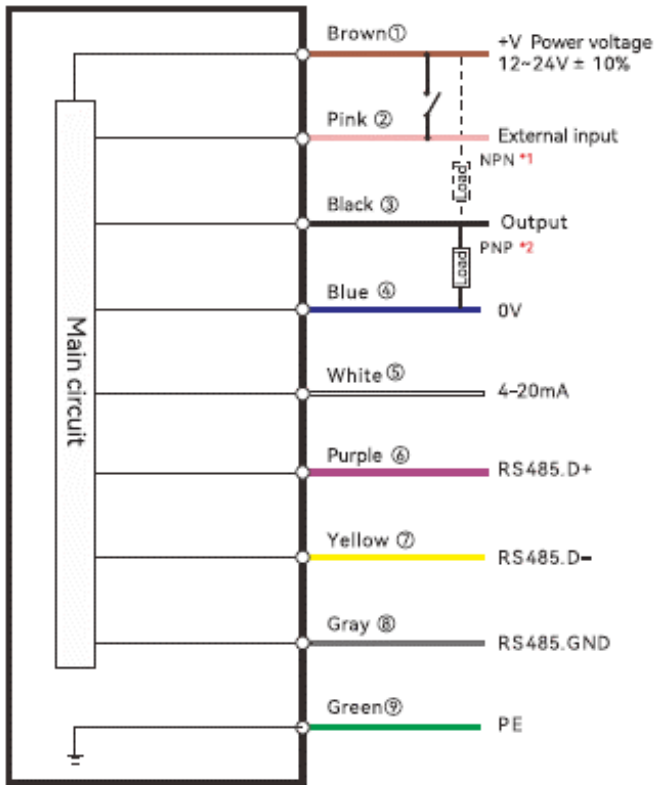
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Circuit Diagram



Environmental Specifications

Temperature

Operating Range

-10 to +50 deg C

Humidity

Operating Relative

35% to 85%

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Laser Displacement Sensor, Class 2, sensing distance 300mm to 700mm, 4-20mA, RS-485, 2m 9-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 impliment 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

