

# M18B-D0500P-CX9C4U2

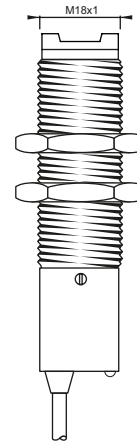
## Photoelectric Sensor

M18 Prox-Style Photoelectric - Diffuse



Note: The product images shown may change over time as products are updated.

### Diagram



### Part Number

**M18B-D0500P-CX9C4U2**

### Features

Photoelectric sensors are used in virtually any manufacturing process with moving parts to detect products, machine parts, and a wide variety of moving objects.

For additional information, contact HTM Sensors at 800-644-1756 or [service@htmsensors.com](mailto:service@htmsensors.com)

### Connection

### Technical Data

Function Type	Diffused
Body Style	Cylindrical
Sensor Housing Material	Nickel-plated Brass
Lens Material	PC
Connector Pins	4-wire
Sensing Range	500 mm
Response Time	1.5 ms
Output Type	PNP
Output Function	Light On/Dark On
Connection	Cable
Body Length	64 mm
Operating Voltage	10-30 VDC
Operating Temperature	-25 °C - +55 °C
Overload Trip Point	
Hysteresis	≤20% SD
IP Rating:	IP67
EMC Rating	IEC 60947-5-2, Parts 7.2.6.1. 2. 3 or RFI>3 V/m (in 30-1000 MHz), EFT>1 KV, ESD>4 KV (contact)
Shock Rating:	IEC 60947-5-2, Part 7.4.2 or 10-55 Hz, 1.0 mm amplitude in x, y and z directions for 30 min. IEC 60947-5-2, Part 7.4.1 or 30 g, 11 ms in x, y and z directions for six time each
Short Circuit Protected	YES
Max Current	200 mA
Over Current Protection	YES
Reverse Polarity Protected	YES
Current Consumption	≤30 mA
Width	
Height	



In the USA: 1889 Maryland Ave., Niagara Falls, NY 14305  
In Canada: 3419 Mainway, Burlington, ON L7M 1A9  
Toll Free: 1-800-644-1756 • Fax: 888-283-2127  
[service@htmsensors.com](mailto:service@htmsensors.com)

[htmsensors.com](http://htmsensors.com)