



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

## Part Number

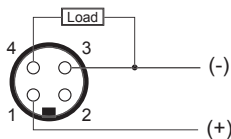
**PCDT-09/25P-A3U0.3/P12**

## Features

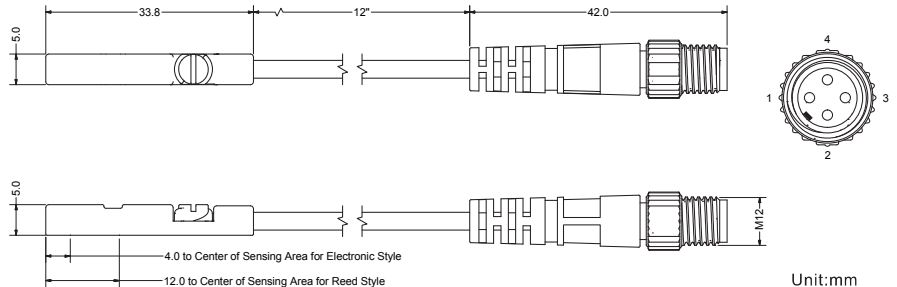
HTM Sensors Pneumatic Cylinder Sensors are built to provide reliable operation of pneumatic cylinders for motion control applications in any manufacturing environment. Convenient mounting and simple installation are required for successful pneumatic cylinder control, and HTM Sensors provides easy mounting t-slot, c-slot, dovetail and tie-rod mounting profiles to match the design of most commonly used pneumatic cylinders. Protection options are available, including pre-installed silicone, Kevlar or fiberglass jackets to keep machines running in rough environments.

## Connection

- 1 - Brown
- 2 - Not Used
- 3 - Blue
- 4 - Black



## Dimensions



## Technical Data

Body Style	Direct Mount
Mounting Style	Universal Square Slot
Magnet Requirement (*2)	40 Gauss Parallel
Output Type	PNP
Output Function	Normally Open
Connection	0.3 m PUR Cable
Connector Type	M12 Pigtail
Operating Voltage	5-28 V DC
Switching Frequency	—
Operating Temperature	-10 °C - +70 °C
Current Consumption	<10 mA
Contact Rating (*1)	6W max
IP Rating	NEAM 6 / IP67
Vibration Rating (*4)	9G
Shock Rating (*3)	50G
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	500 mA
Leakage Current	—
Weld Field Immune	No
Weld Spatter Resistant	No
Body Dimensions (mm)	5 x 5 x 33.8

### NOTE:

1. WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent damage to sensor will occur.
2. Measuring standard target:  $\varnothing 15.5 \times 8 \times 5$  (Anisotropy rubber magnet)
3. Sin wave / X, Y, Z 3 directions / 3 times each direction / 11 ms each time.
4. Double amplitude 1.5 mm / 10 Hz~55 Hz~10 Hz (Sweep 1 min.) / X, Y, Z 3 directions / 1 hour each time.



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