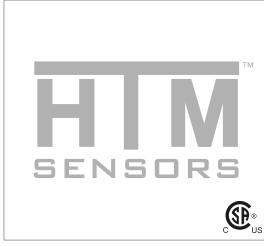
### 5-36V Inductive Proximity Sensor



#### **Dimensions**



Body Length (mm) 63

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

# Part Number ICP2-1808N-B3U2Y

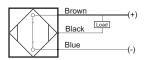
#### Features

Inductive Proximity Sensors are used in a wide variety of manufacturing operations where a metal target needs to be sensed. HTM Sensors inductive proximity sensors have a Lifetime Warranty, a CSA or UL approval, and a huge inventory for sameday shipping. For tougher applications where the sensors need more range to stay out of harm's way, or to withstand high temperatures, weld spatter, chemical exposure, oil or other rough environments, HTM Sensors has the widest range of proximity sensors on the market.

#### Connection

SENSORS

#### **NPN Normally Closed**





## **Technical Data**

Body Style	Cylindrical
Sensor Housing Material	PBT Plastic
Sensor Face Material	PBT Plastic
Mounting Style	Unshielded
Diameter	18 mm Threaded
Sensing Range:	8 mm Range
Output Type:	NPN Output
Output Function	Normally Closed Output
Connection	Pre-Three Wired Cable Connect
Connector Type	Cable
Operating Voltage	5-36VDC
Switching Frequency	500 Hz
Operating Temperature	-25 °C – +70 °C
Current Consumption	<10 mA
IP Rating:	IP67
EMC Rating	RFI>3V/m / EFT>1kV / ESD>4Kv (contact)
Shock Rating:	IEC 60497-5-2 Part 7.4.1&7.4.2
Short Circuit Protected	Yes
Short Circuit Protected Reverse Polarity Protected	Yes Yes
Reverse Polarity Protected	Yes
Reverse Polarity Protected Max Current	Yes 200 mA
Reverse Polarity Protected Max Current Leakage Current	Yes 200 mA
Reverse Polarity Protected Max Current Leakage Current Surge Current	Yes 200 mA <0.01 mA -
Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time	Yes 200 mA <0.01 mA - 0.5 ms/0.5 ms
Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis	Yes 200 mA <0.01 mA - 0.5 ms/0.5 ms <15%(Sr)
Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis Overload Trip Point	Yes 200 mA <0.01 mA - 0.5 ms/0.5 ms <15%(Sr) ≥220 mA
Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis Overload Trip Point Weld Field Immune	Yes 200 mA <0.01 mA - 0.5 ms/0.5 ms <15%(Sr) ≥220 mA No

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