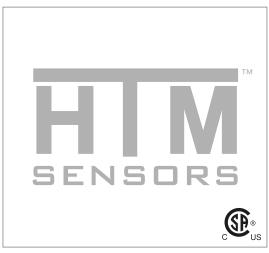
# Extended Range MetalHead™ Proximity Sensor



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

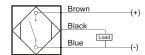
## Part Number ECS1-1808P-A3U2-PTFE-100C

#### **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.

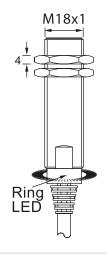
#### Connection

#### **PNP Normally Open**





#### **Dimensions**



Body Length (mm) 55

### **Technical Data**

Body Style	Cylindrical
Sensor Housing Material	Stainless Steel SUS303
Sensor Face Material	1-Piece Stainless Steel
Mounting Style	Shielded
Diameter	18 mm Threaded
Sensing Range:	8 mm Range
Output Type:	PNP Output
Output Function	Normally Open Output
Connection	Pre-Three Wired Cable Connect
Connector Type	Cable
Operating Voltage	10-30 VDC
Switching Frequency	500 Hz
Operating Temperature	-20 °C - +100 °C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Deline	RFI>3V/m / EFT>1kV / ESD>4Kv (contact)
EMC Rating	Krizavilli i Er iz ikv i Eadzakv (colitact)
Shock Rating:	IEC 60497-5-2 Part 7.4.1&7.4.2
	,
Shock Rating:	IEC 60497-5-2 Part 7.4.1&7.4.2
Shock Rating: Short Circuit Protected	IEC 60497-5-2 Part 7.4.1&7.4.2 Yes
Shock Rating: Short Circuit Protected Reverse Polarity Protected	IEC 60497-5-2 Part 7.4.1&7.4.2 Yes Yes
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current	IEC 60497-5-2 Part 7.4.1&7.4.2 Yes Yes 200 mA
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current	IEC 60497-5-2 Part 7.4.1&7.4.2 Yes Yes 200 mA
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current Surge Current	IEC 60497-5-2 Part 7.4.1&7.4.2  Yes  Yes  200 mA  <0.01 mA
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time	IEC 60497-5-2 Part 7.4.1&7.4.2  Yes  Yes  200 mA  <0.01 mA  -  0.5 ms/0.5 ms
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis	IEC 60497-5-2 Part 7.4.1&7.4.2  Yes  Yes  200 mA  <0.01 mA  -  0.5 ms/0.5 ms  <15%(Sr)
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis Overload Trip Point	IEC 60497-5-2 Part 7.4.1&7.4.2  Yes  Yes  200 mA  <0.01 mA  -  0.5 ms/0.5 ms  <15%(Sr)  ≥220 mA
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current Surge Current Response Time Hysteresis Overload Trip Point Weld Field Immune	IEC 60497-5-2 Part 7.4.1&7.4.2  Yes  Yes  200 mA  <0.01 mA  -  0.5 ms/0.5 ms  <15%(Sr)  ≥220 mA  No



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