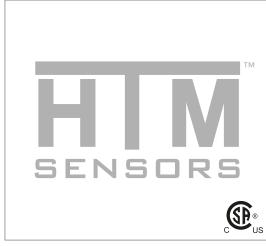
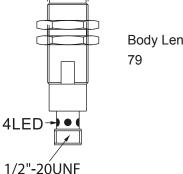
Extended Range MetalHead[™] Proximity Sensor



Dimensions



M18x1

ø17-∔

Body Length (mm)

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

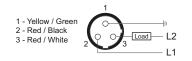
Part Number

ECS2-1816A-AUL3-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

SENSORS





Technical Data

Body Style	Cylindrical
Sensor Housing Material	Stainless Steel SUS303
Sensor Face Material	1-Piece Stainless Steel
Mounting Style	Unshielded
Diameter	18 mm Threaded
Sensing Range:	16 mm range
Output Type:	AC Output
Output Function	Normally Open Output
Connection	3-Pin Connector
Connector Type	Micro Quick-Connect
Operating Voltage	20-250 VAC
Switching Frequency	<25 Hz
Operating Temperature	-20 °C - +100 °C
Current Consumption	<1.8 mA
IP Rating:	IP68
-	
EMC Rating	RFI>3V/m / EFT>1kV / ESD>4Kv (contact)
EMC Rating Shock Rating:	RFI>3V/m / EFT>1kV / ESD>4Kv (contact) IEC 60497-5-2 Part 7.4.1&7.4.2
Ū	
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 NO
Shock Rating: Short Circuit Protected Reverse Polarity Protected	IEC 60497-5-2 Part 7.4.1&7.4.2 NO NO
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current	IEC 60497-5-2 Part 7.4.1&7.4.2 NO NO 400 mA
Shock Rating: Short Circuit Protected Reverse Polarity Protected Max Current Leakage Current	IEC 60497-5-2 Part 7.4.1&7.4.2 NO NO 400 mA <1.8 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 NO NO 400 mA <1.8 mA 5 A (20 ms)
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 NO NO 400 mA <1.8 mA 5 A (20 ms) 10 ms/10 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 NO NO 400 mA <1.8 mA 5 A (20 ms) 10 ms/10 ms
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 NO NO 400 mA <1.8 mA 5 A (20 ms) 10 ms/10 ms <15%(Sr)
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 NO NO 400 mA <1.8 mA 5 A (20 ms) 10 ms/10 ms <15%(Sr) -

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

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