# **Extended Range Proximity Sensor**



#### **Dimensions**



Body Length (mm) 55

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

# Part Number ECM2-1816C-A2U2

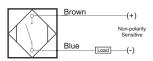
### Features

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

#### Normally Open





# **Technical Data**

Body Style	Cylindrical
Sensor Housing Material	Chrome Plated Brass
Sensor Face Material	PBT Plastic
Mounting Style	Unshielded
Diameter	18 mm Threaded
Sensing Range:	16 mm range
Output Type:	DC 2-Wire Output
Output Function	Normally Open Output
Connection	Pre-Two Wired Cable Connect
Connector Type	Cable
Operating Voltage	10-60 VDC
Switching Frequency	150 Hz
Operating Temperature	-25 °C – +70 °C
Current Consumption	-
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
Reverse Polarity Protected	Yes
Max Current	100 mA
Leakage Current	<0.8 mA
Surge Current	
	-
Response Time	- 1 ms/1 ms
Response Time Hysteresis	- 1 ms/1 ms <15%(Sr)
Hysteresis	<15%(Sr)
Hysteresis Overload Trip Point	<15%(Sr) >120 mA
Hysteresis Overload Trip Point Weld Field Immune	<15%(Sr) >120 mA No

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