



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

**Part Number**

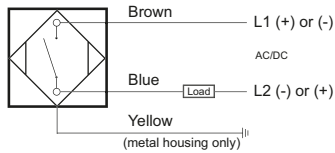
**FCP1-D2005U-A2U2**

**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 same-day 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**

**Normally Open**



**Dimensions**

Body Length (mm)  
80

**Technical Data**

Body Style	Cylindrical
Sensor Housing Material	PBT Plastic
Sensor Face Material	PBT Plastic
Mounting Style	Shielded
Diameter	20 mm Smooth
Sensing Range:	5 mm Range
Output Type:	AC/DC Output
Output Function	Normally Open Output
Connection	Pre-Two Wired Cable Connect
Connector Type	Cable
Operating Voltage	20-250 VAC, 50-60HZ; 20-250 VDC
Switching Frequency	25 Hz AC; 40 Hz DC
Operating Temperature	-25 °C – +70 °C
Current Consumption	<2.5mA
IP Rating:	IP68
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	NO
Max Current	200 mA
Leakage Current	<2.5mA
Surge Current	2.2 A for 20 ms
Response Time	10 ms/10 ms
Hysteresis	<15%(Sr)
Overload Trip Point	-
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	80



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