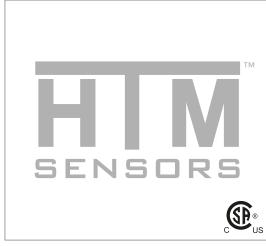
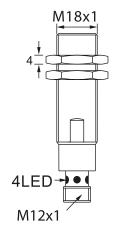
# Weld Field Immune Proximity Sensors



### **Dimensions**



Body Length (mm) 75

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

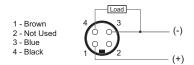
### **Part Number**

# WCN1-1805P-BRL4-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	SpatterGuard™ coated Brass
Sensor Face Material	PBT Plastic
Mounting Style	Shielded
Diameter	18 mm Threaded
Sensing Range:	5 mm Range
Output Type:	PNP Output
Output Function	Normally Closed Output
Connection	4-Pin Connector
Connector Type	M12x1 Quick-Connect
Operating Voltage	10-30 VDC
Switching Frequency	1 KHz
Operating Temperature	-20 °C - +100 °C
Current Consumption	<10 mA
IP Rating:	IP67
÷	
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
<b>C</b>	
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 200 mA <0.01 mA - 0.2 ms/0.2 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 200 mA <0.01 mA - 0.2 ms/0.2 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 - 0.2 ms/0.2 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 200 mA <0.01 mA - 0.2 ms/0.2 ms <15%(Sr) ≥220 mA Yes

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