

Long Range Inductive Metal Face Proximity Sensor



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

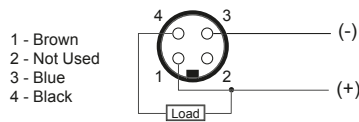
Part Number

LCS1-1810N-A3U2+R-MS4-3TZ-V060.3-PTFE

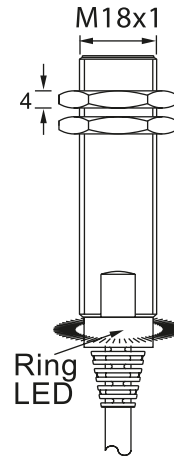
Features

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



Dimensions



Body Length (mm)
55

Technical Data

Body Style	Cylindrical
Sensor Housing Material	PTFE Coated Stainless Steel SUS303
Sensor Face Material	1-Piece Stainless Steel
Mounting Style	Semi Shielded
Diameter	18 mm Threaded
Sensing Range:	10 mm Range
Output Type:	NPN Output
Output Function	Normally Open Output
Connection	0.3 m M12 Pigtail
Connector Type	M12 A Coded
Operating Voltage	10-30 VDC
Switching Frequency	100 Hz
Operating Temperature	-25 °C – +70 °C
Current Consumption	<10 mA
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	Yes
Max Current	200 mA
Leakage Current	<0.01 mA
Surge Current	-
Response Time	0.2 ms/0.2 ms
Hysteresis	<15%(Sr)
Overload Trip Point	≥220 mA
Weld Field Immune	No
Weld Spatter Resistant	Yes
Body Length (mm)	55