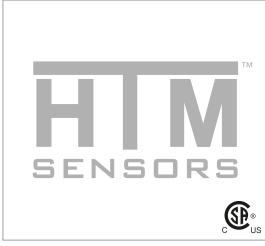
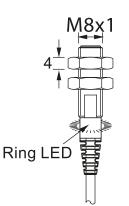
Long Range Proximity Sensor



Dimensions



Body Length (mm) 30

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

Part Number

LCS1-0803P-B3S2

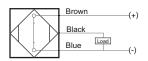
Features

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

PNP Normally Closed





Surge Current - Response Time 0.1 ms/0.1 ms	Technical Data	
Sensor Face Material1-Piece Stainless SteelMounting StyleShieldedDiameter8 mm ThreadedSensing Range:3mm RangeOutput Type:PNP OutputOutput Type:PNP OutputOutput FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption1P67EMC Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Shork Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesMax Current200 mALeakage Current-Surge Current-Response Time0.1 ms/0.1 ms	Body Style	Cylindrical
Mounting StyleShieldedDiameter8 mm ThreadedSensing Range:3mm RangeOutput Type:PNP OutputOutput FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption110 mAIP Rating:IP67EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesMax Current200 mALeakage Current-<	Sensor Housing Material	Stainless Steel SUS303
Diameter8 mm ThreadedDiameter8 mm ThreadedSensing Range:3mm RangeOutput Type:PNP OutputOutput FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Sensor Face Material	1-Piece Stainless Steel
Sensing Range:3mm RangeOutput Type:PNP OutputOutput FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption110 mAIP Rating:IP67EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	Mounting Style	Shielded
Output Type:PNP OutputOutput FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption10 mAIP Rating:IP67EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesMax Current200 mALeakage Current<0.01 mA	Diameter	8 mm Threaded
Output FunctionNormally Closed OutputConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Sensing Range:	3mm Range
ConnectionPre-Three Wired Cable ConnectConnector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Output Type:	PNP Output
Connector TypeCableOperating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Output Function	Normally Closed Output
Operating Voltage10-30 VDCSwitching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Connection	Pre-Three Wired Cable Connect
Switching Frequency500 HzOperating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Connector Type	Cable
Operating Temperature-25 °C - +70 °CCurrent Consumption<10 mA	Operating Voltage	10-30 VDC
Current Consumption<10 mAIP Rating:IP67EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	Switching Frequency	500 Hz
IP Rating:IP67EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	Operating Temperature	-25 °C – +70 °C
EMC RatingRFI>3V/m / EFT>1kV / ESD>4Kv (contact)Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	Current Consumption	<10 mA
Shock Rating:IEC 60497-5-2 Part 7.4.1&7.4.2Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	IP Rating:	IP67
Short Circuit ProtectedYesReverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	EMC Rating	RFI>3V/m / EFT>1kV / ESD>4Kv (contact)
Reverse Polarity ProtectedYesMax Current200 mALeakage Current<0.01 mA	Shock Rating:	IEC 60497-5-2 Part 7.4.1&7.4.2
Max Current200 mALeakage Current<0.01 mA	Short Circuit Protected	Yes
Leakage Current<0.01 mASurge Current-Response Time0.1 ms/0.1 ms	Reverse Polarity Protected	Yes
Surge Current - Response Time 0.1 ms/0.1 ms	Max Current	200 mA
Response Time 0.1 ms/0.1 ms	Leakage Current	<0.01 mA
	Surge Current	-
	Response Time	0.1 ms/0.1 ms
nysteresis <15%(Sr)	Hysteresis	<15%(Sr)
Overload Trip Point ≥220 mA	Overload Trip Point	≥220 mA
Weld Field Immune No	Weld Field Immune	No
Weld Spatter Resistant No	Weld Spatter Resistant	No
Body Length (mm) 30	Body Length (mm)	30

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