



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

Part Number

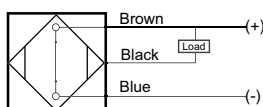
LCS1-1206N-B3U2-AMS

Features

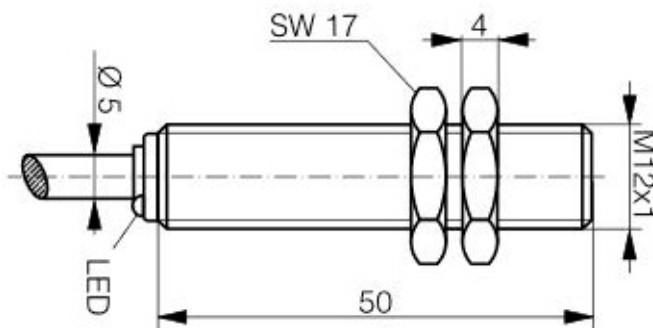
Inductive Proximity Sensors are used in a wide variety of manufacturing operations where a metal target needs to be sensed. HTM Sensors inductive proximity sensors have a Lifetime Warranty, a CSA or UL approval, and a huge inventory for same-day shipping. For tougher applications where the sensors need 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

NPN Normally Closed



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	NPN
Output Function	Normally Closed
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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

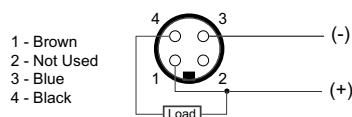
Part Number

LCS1-1206N-ARU4-AMS

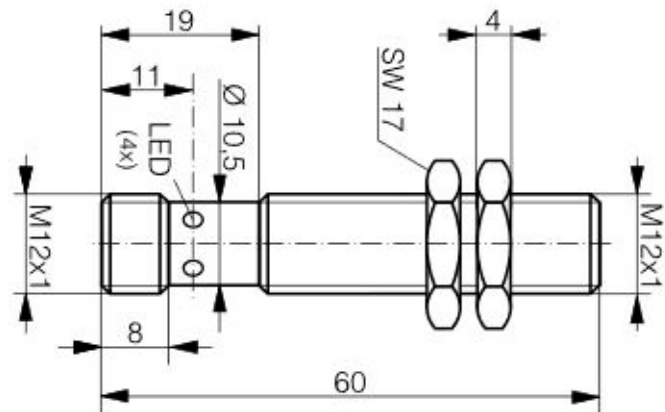
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	NPN
Output Function	Normally Open
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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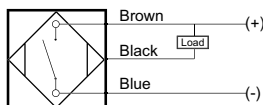
LCS1-1206N-A3U2-AMS

Features

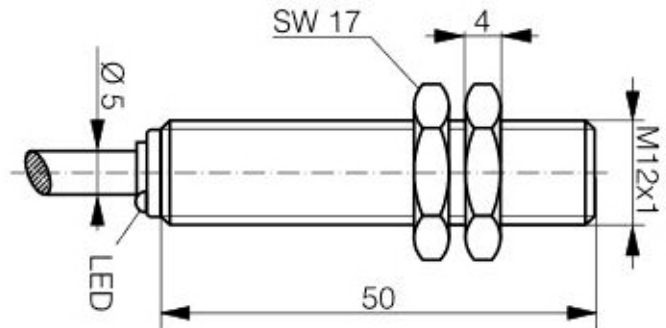
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Connection

NPN Normally Open



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	NPN
Output Function	Normally Open
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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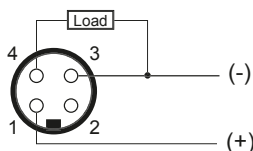
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Features

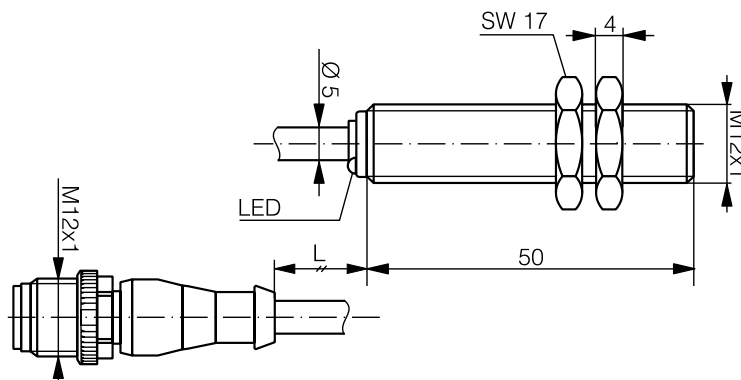
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Connection

- 1 - Brown
- 2 - Not Used
- 3 - Blue
- 4 - Black



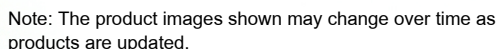
Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	0.2 m Pigtail
Connector Type	M12 A-Coded Pigtail
Operating Voltage	10-30 V DC
Switching Frequency	15 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 ms
Hysteresis	3-15% Sr
Overload Trip Point	220 mA
Weld Field Immune	Yes
Weld Spatter Resistant	Yes
Body Length (mm)	50 mm

Long Range All Metal Sensing Proximity Sensors

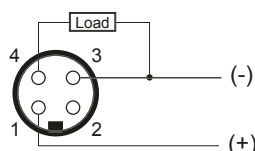


Technical drawing of a 60cm LED track lighting fixture. The drawing shows a side view of the fixture with dimensions: total length 60, mounting bracket width 19, mounting hole diameter Ø10.5, mounting hole spacing 11 (4x), LED length 8, and mounting bracket thickness 4. The mounting bracket is labeled M12x1. The fixture is labeled SW 17.

WCS1-1206P-ARU4-C-AMS

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1 - Brown
2 - Not Used
3 - Blue
4 - Black



Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	Quick-Connect
Connector Type	M12 A-Coded
Operating Voltage	10-30 V DC
Switching Frequency	15 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	3-15% Sr
Overload Trip Point	220 mA
Weld Field Immune	Yes
Weld Spatter Resistant	Yes
Body Length (mm)	60 mm



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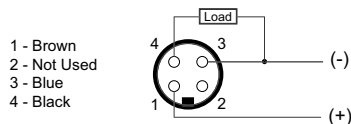
Part Number

LCS2-1210P-BRU4-AMS

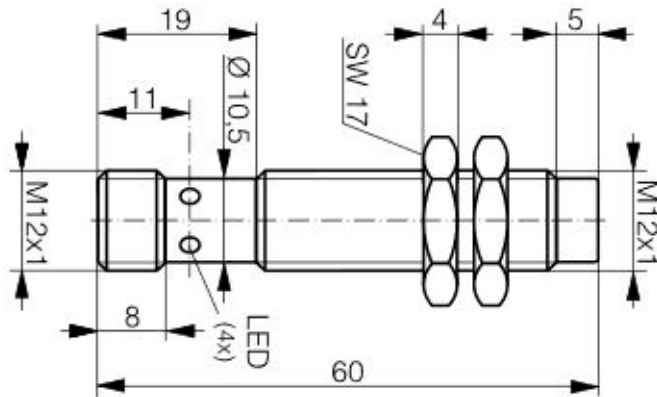
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	PNP
Output Function	Normally Closed
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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Part Number

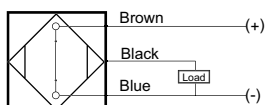
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Features

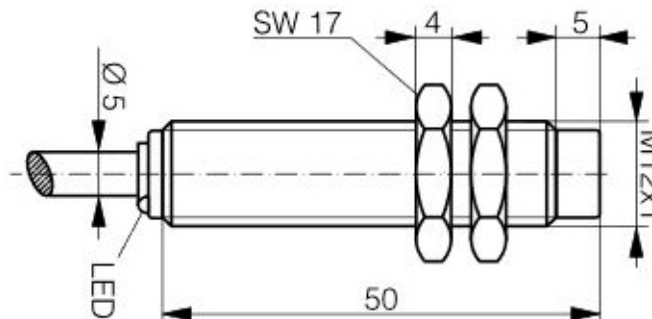
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Connection

PNP Normally Closed



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	PNP
Output Function	Normally Closed
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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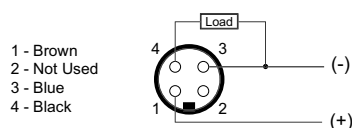
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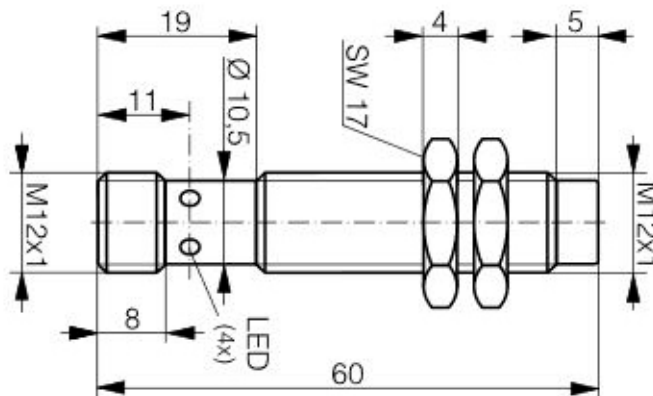
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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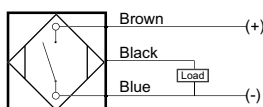
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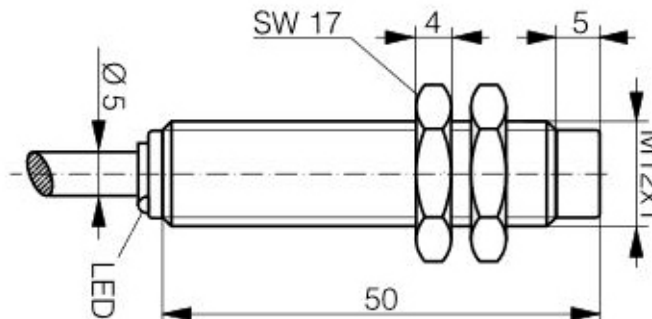
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Connection

PNP Normally Open



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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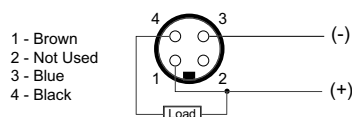
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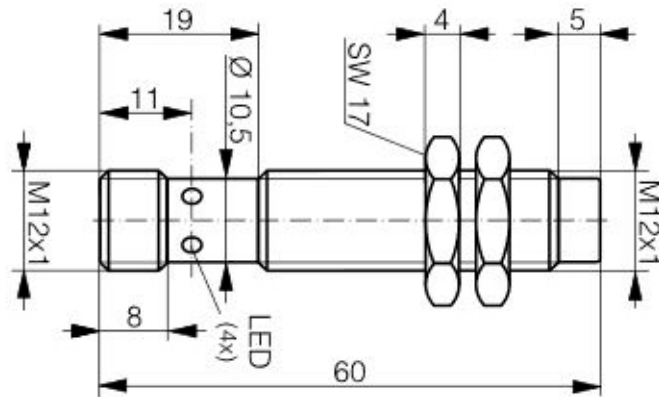
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	NPN
Output Function	Normally Closed
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
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Hysteresis	0.15
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Weld Field Immune	No
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Body Length (mm)	60 mm



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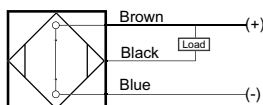
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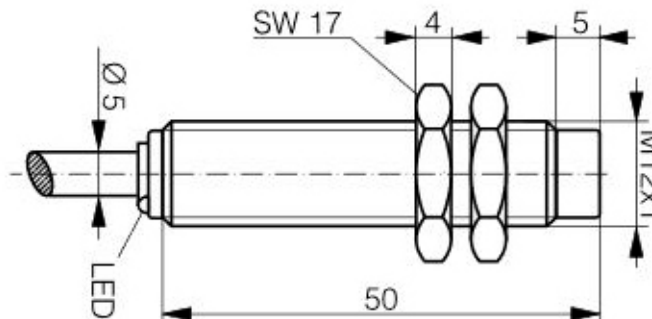
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Connection

NPN Normally Closed



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	NPN
Output Function	Normally Closed
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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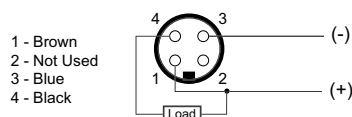
Part Number

LCS2-1210N-ARU4-AMS

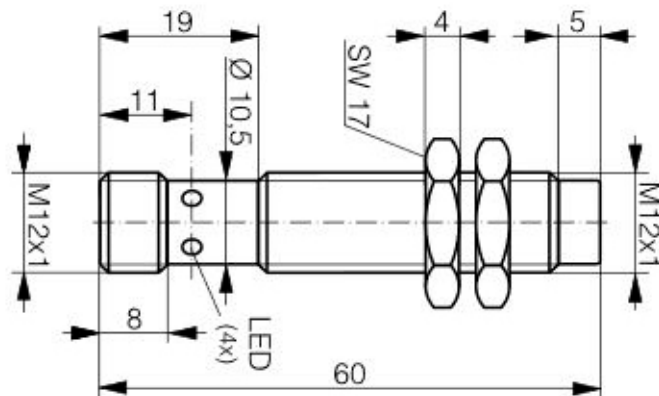
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	NPN
Output Function	Normally Open
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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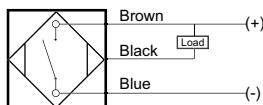
LCS2-1210N-A3U2-AMS

Features

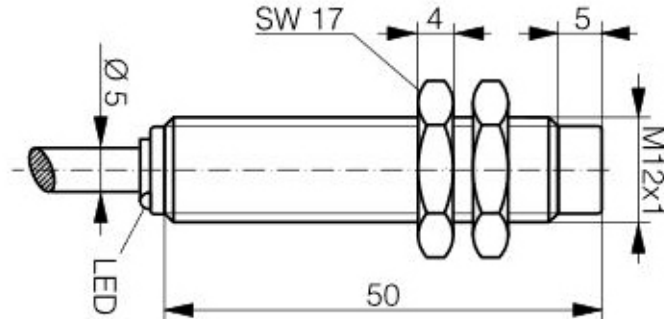
Inductive Proximity Sensors are used in a wide variety of manufacturing operations where a metal target needs to be sensed. HTM Sensors inductive proximity sensors have a Lifetime Warranty, a CSA or UL approval, and a huge inventory for same-day shipping. For tougher applications where the sensors need 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

NPN Normally Open



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Un-Shielded
Diameter	12 mm Threaded
Sensing Range:	10 mm
Output Type:	NPN
Output Function	Normally Open
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	400 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<15 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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

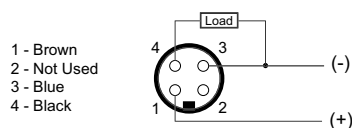
Part Number

LCS1-1206P-BRU4-AMS

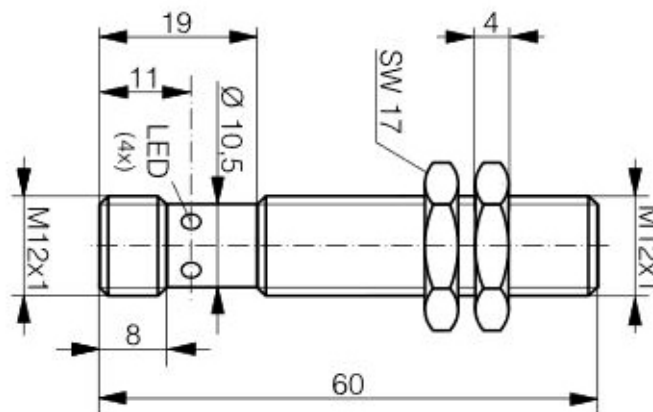
Features

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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Closed
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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

Part Number

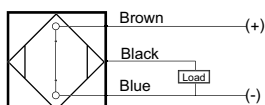
LCS1-1206P-B3U2-AMS

Features

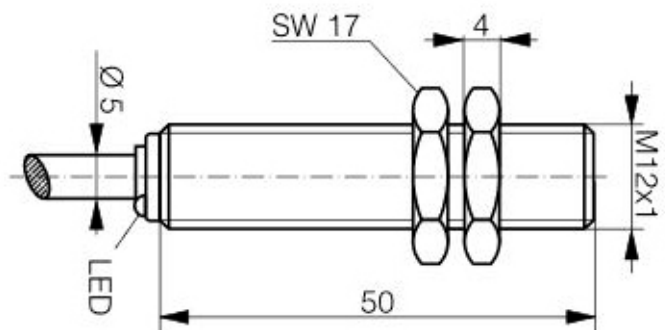
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Connection

PNP Normally Closed



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Closed
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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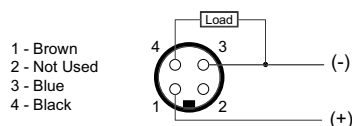
Part Number

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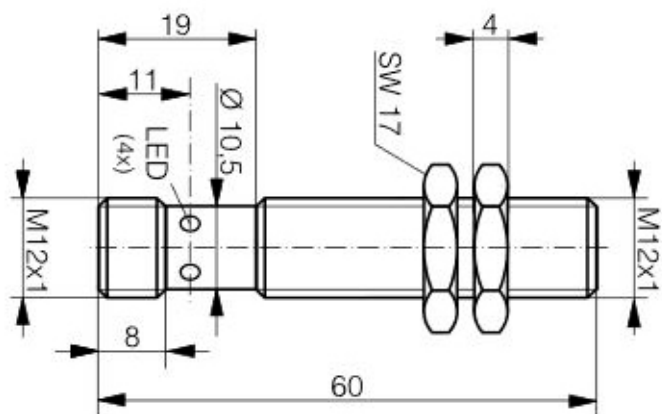
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm



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Part Number

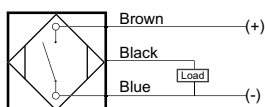
LCS1-1206P-A3U2-AMS

Features

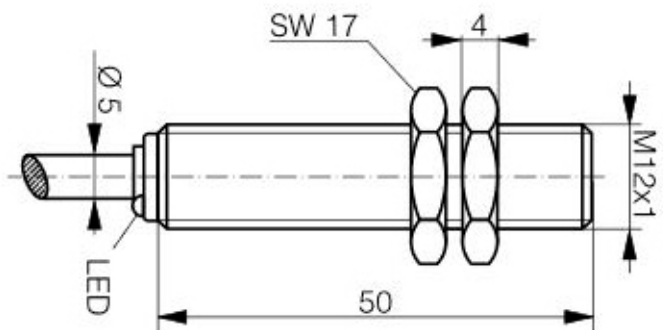
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Connection

PNP Normally Open



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	PNP
Output Function	Normally Open IO Link compatible
Connection	Pre-Leaded 3 Wire
Connector Type	2 m Cable
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	50 mm



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

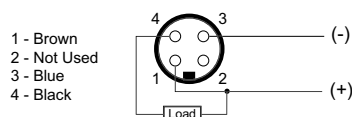
Part Number

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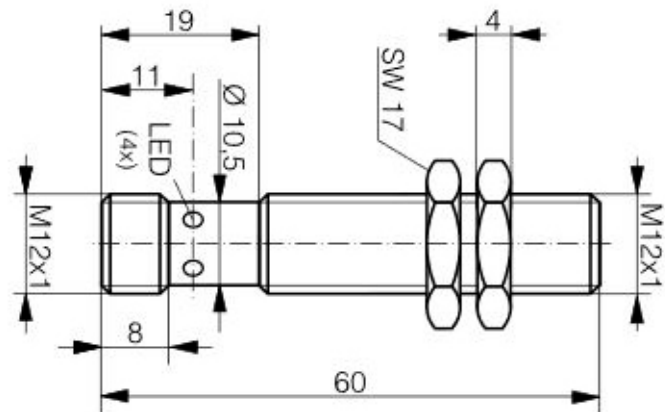
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Connection



Dimensions



Technical Data

Body Style	Cylindrical
Sensor Housing Material	V2A Stainless Steel
Sensor Face Material	V2A Stainless Steel
Mounting Style	Shielded
Diameter	12 mm Threaded
Sensing Range:	6 mm
Output Type:	NPN
Output Function	Normally Closed
Connection	4 Pin Quick Disconnect
Connector Type	M12 A Coded Connector
Operating Voltage	10-30 V DC
Switching Frequency	600 Hz
Operating Temperature	-25C to +85C
Current Consumption	<10 mA
IP Rating:	IP68
EMC Rating	IEC 60947-5-2 (7.2.3.1) 1Kv
Shock Rating:	EC 60947-5-2 / 7.9
Short Circuit Protected	Yes
Reverse Polarity Protected	Yes
Max Current	<200 mA
Leakage Current	<0.1 mA
Surge Current	N/A
Response Time	<10 mS
Hysteresis	0.15
Overload Trip Point	220 mA
Weld Field Immune	No
Weld Spatter Resistant	No
Body Length (mm)	60 mm