XS112BLNAM12

inductive sensor XS1 M12 - L55mm - brass - Sn2mm - 12..24VDC - M12

Green Premium™
Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M12
Size	55 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2 mm
Discrete output function	1 NO
Discrete output type	NPN
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

Complementary

ISO thread	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Operating zone	0...1.6 mm
Differential travel	1...15% of Sr
Output circuit type	DC
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 2500 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 15 ms
Delay response	<= 0.1 ms
Delay recovery	<= 0.15 ms
Marking	CE
Threaded length	34 mm
Height	12 mm
Length	55 mm
Product weight	0.015 kg

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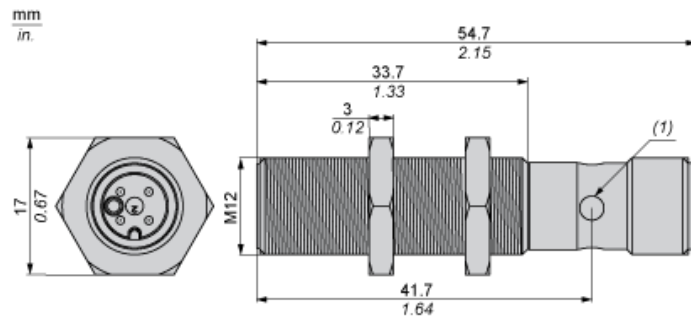Sensors

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Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0903 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

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Dimensions

(1) LED

Minimum Mounting Distances

Side by side

e (1) 4 mm/0.16 in.
≥

Face to face

e (2) 24 mm/0.94 in.
≥
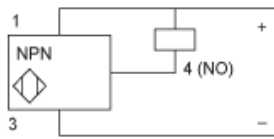
Facing a metal object

e (3) 6 mm/0.24 in.
≥

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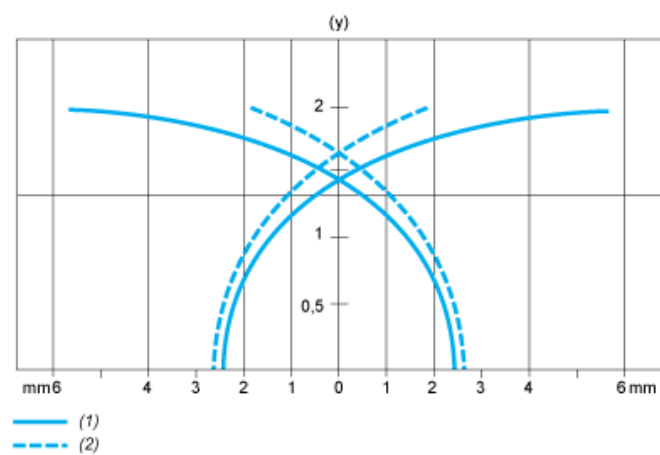Sensors

Wiring Schemes

M12 connector

NPN

1 :   (+)
2 :   Not connected
3 :   (-)
4 :   NO Output

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Performance Curves

Standard Steel Target : 12x12x1 mm

(1)
(2)

(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)
(y)   Sensing distance in mm

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