Product data sheet
Characteristics

XS130BLPAM12
inductive sensor XS1 M30 - L68mm - brass - Sn10mm - 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 M30
Size	68 mm
Body type	Fixed
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	10 mm
Discrete output function	1 NO
Discrete output type	PNP
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	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Metal
Front material	PBT
Sensing range	> 8...15 mm
Operating zone	0...8 mm
Differential travel	1...15% of Sr

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Output circuit type	DC
Status LED	1 LED yellow for output state
Supply voltage limits	10...36 V DC
Switching frequency	<= 500 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	<= 1 ms
Marking	CE
Threaded length	47 mm
Height	30 mm
Length	68 mm
Product weight	0.075 kg

Environment

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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 Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months

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Dimensions
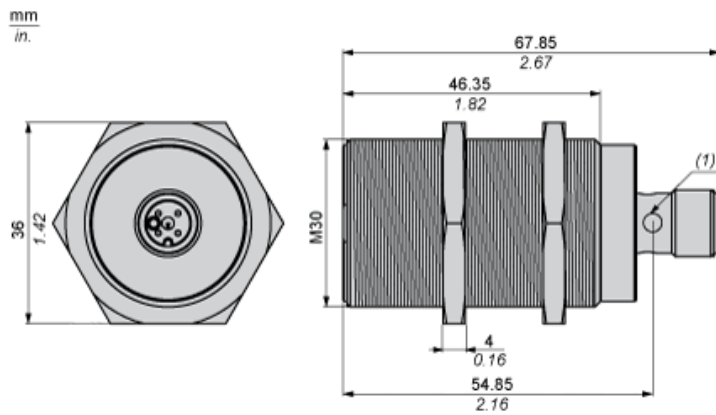
(1)　　　LED

Minimum Mounting Distances

Side by side

e (1) ≥   20 mm/0.79 in

Face to face

e (2) ≥   120 mm/4.72 in

Facing a metal object

e (3) ≥   30 mm/1.18 in.

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Wiring Schemes

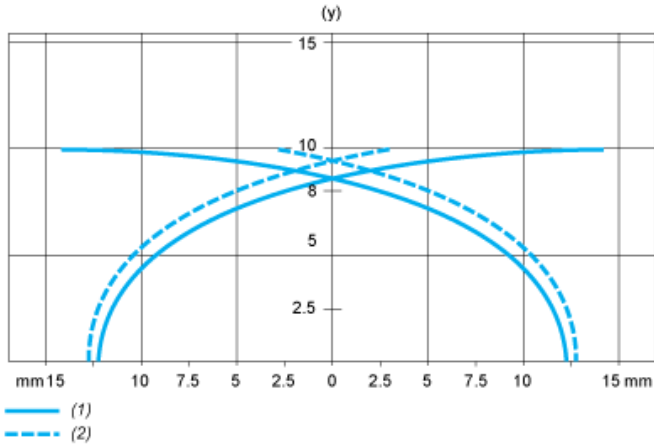M12 connector

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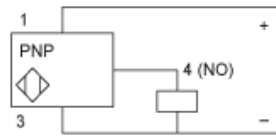
1 :   (+)
2 :   Not connected
3 :   (-)
4 :   NO Output

Performance Curves

Standard Steel Target : 30x30x1 mm

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