XS212B4NAL2

inductive sensor XS2 M12 - L37mm - brass - Sn8mm - 12..24VDC - cable 2m

Green Premium™ Product

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	Mobile equipment
Sensor name	XS2
Sensor design	Cylindrical M12
Size	37 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.31 in (8 mm)
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP65 IEC 60529 IP67 DIN 40050 IP69K

Complementary

Thread type	M12 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel Plated Brass
Sensing range	> 0.16...0.31 in (> 4...8 mm)
Operating zone	0.00…0.25 in (0…6.4 mm)
Differential travel	1...15% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Output state 1 LED yellow)
Supply voltage limits	10…36 V DC
Switching frequency	<= 2000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	15 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	0.79 in (20 mm)

Length	1.46 in (37 mm)
Net Weight	0.19 lb(US) (0.086 kg)

Environment

Product certifications	UL E2 CSA
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	03389119036931
Nbr. of units in pkg.	1
Package weight(Lbs)	0.5 lb(US) (0.23 kg)
Returnability	No
Country of origin	FR

Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.82 in (9.7 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	5.15 lb(US) (2.334 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

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Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Dimensions

Pre-cabled
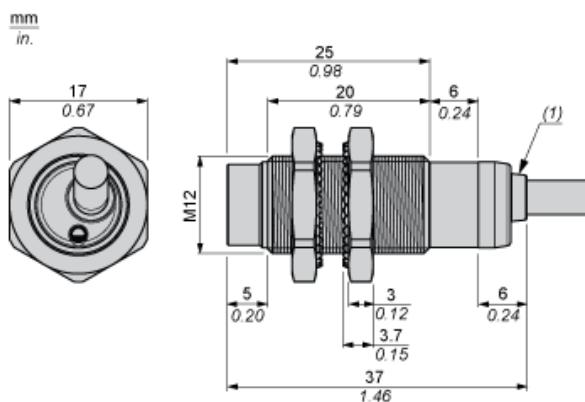
(1)   Yellow LED (Output state indication)

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Mounting and Clearance

Minimum Mounting Distances

Side by Side

≥ 100 mm
≥ 3.94 in.

Face to Face

≥ 120 mm
≥ 4.73 in.
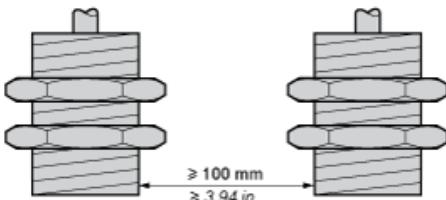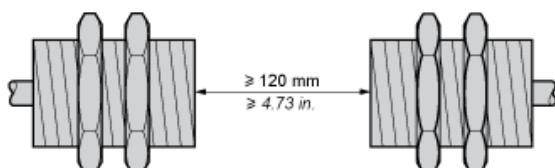
Facing a Metal Object

≥ 24 mm
≥ 0.95 in.
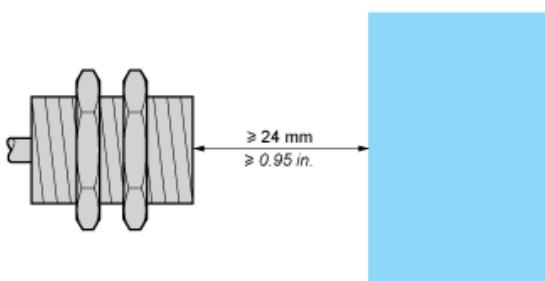
Mounted in a Metal Support

≥ 36 mm
≥ 1.42 in.

≥ 15 mm
≥ 0.60 in.

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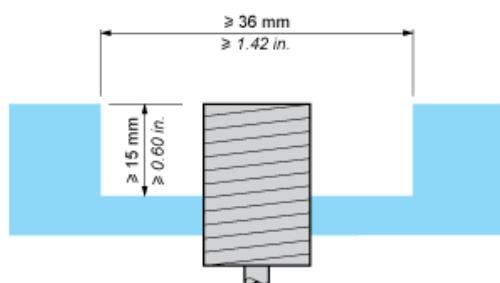
Connection and Schema

Wiring Schemes

NPN 3-wire
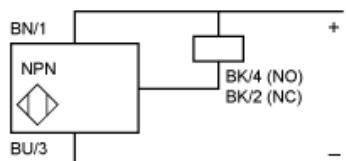
BN : Brown
BK : Black
BU : Blue

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Performance Curves

Standard Steel Target: 12 x 12 x 1 mm

Operating zone: 0…6.4 mm
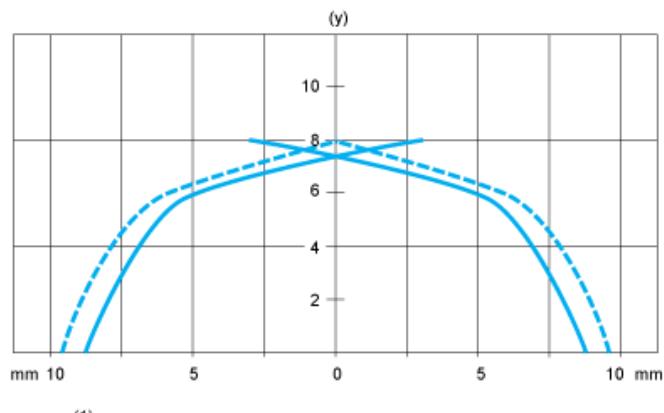
(y)   Sensing distance in mm
(1)   Pick-up points
(2)   Drop-out points (object approaching from the side)