

# XS1N05NB311

inductive sensor XS1 M5 - L29mm - stainless -  
Sn0.8mm - 5..24VDC - cable 2m



Price\* : 61.69 GBP



## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M5
Size	29 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.8 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	5...24 V DC
Switching capacity in mA	<= 100 mA with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Thread type	M5 x 0.5
Detection face	Frontal
Front material	PPS

Enclosure material	Stainless steel 303
Operating zone	0...0.6 mm
Cable composition	3 x 0.11 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	5...30 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Marking	CE
Threaded length	29 mm
Length	28 mm

## 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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

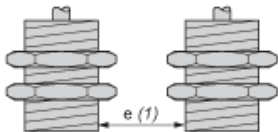


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Minimum Mounting Distances in mm

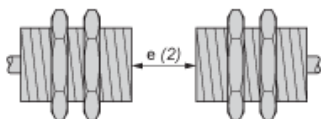
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Side by side



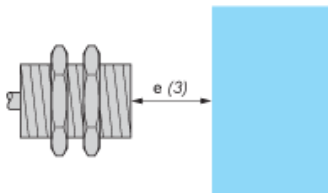
$e (1) \geq 2 \text{ mm}/0.79 \text{ in.}$

Face to face



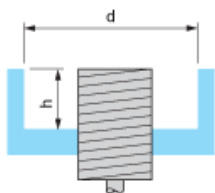
$e (2) \geq 12 \text{ mm}/0.47 \text{ in.}$

Facing a metal object



$e (3) \geq 3 \text{ mm}/0.12 \text{ in.}$

Mounted in a metal support



$d \geq 5 \text{ mm}/0.17 \text{ in.}$

$h \geq 0 \text{ mm}/0 \text{ in.}$

Tightening torque : 2.2 N.m. (values obtained with washers mounted)

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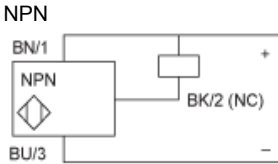
Mounting

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(1) Bending cable: 4 x external cable diameter

Wiring Schemes



- BU : Blue
- BN : Brown
- BK : Black

Performance Curves

Standard Steel Target (mm) : 5x5x1



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