



## Commercial status

Discontinued on: 06 January 2021

⚠ Restricted Sales for Services

## Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS1
Sensor design	Cylindrical M8
Size	42 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Enclosure material	Nickel plated brass
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Male connector M8, 3 pins
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	≤ 200 mA DC with overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Operating zone	0...2 mm

Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10...36 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 mA no-load
Maximum delay first up	5 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	26 mm
Height	8 mm
Length	42 mm
Net weight	0.015 kg

## Environment

Product certifications	UL CSA
Ambient air temperature for operation	-25...50 °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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	18 g
Package 1 Height	6.6 cm
Package 1 width	9.5 cm
Package 1 Length	4.2 cm

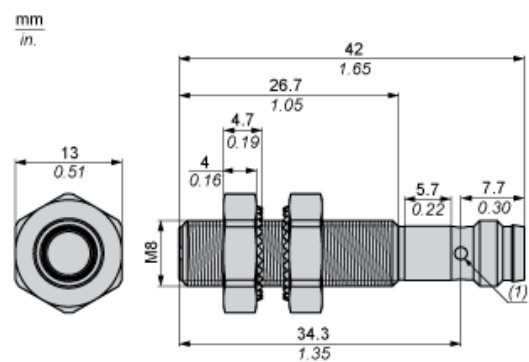
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
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



(1) LED

## Minimum Mounting Distances in mm

Side by side



$$e (1) \geq 5 \text{ mm}/0.20 \text{ in.}$$

Face to face



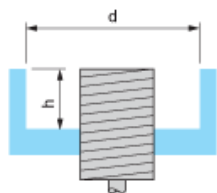
$$e (2) \geq 30 \text{ mm}/1.18 \text{ in.}$$

Facing a metal object



$$e (3) \geq 7.5 \text{ mm}/0.30 \text{ in.}$$

Mounted in a metal support

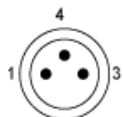


$$d \geq 10 \text{ mm}/0.39 \text{ in.}$$

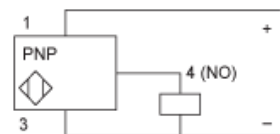
$$h \geq 1.6 \text{ mm}/0.06 \text{ in.}$$

## Wiring Schemes

M8 Connector

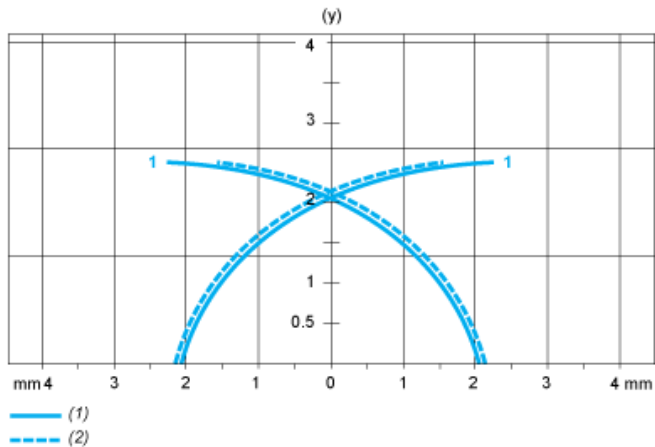


PNP



Performance Curves

Standard Steel Target (mm) : 8x8x1



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

XS1N08PA349S is replaced by:



Inductive sensors XS XS108B3PAM8

inductive sensor XS1 M8 - L42mm - brass - Sn2mm - 12..24VDC - M8

Qty 1

Reason for Substitution: End of life | Substitution date: 09 November 2020