

# XS908R1PAM12

inductive sensor XS9 M8 - L66mm - full SS 303  
- Sn3 mm - 12..24VDC - M12



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Harsh environment application
Sensor name	XS9
Sensor design	Cylindrical M8
Size	66 mm
Body type	Single piece body
Enclosure material	Stainless steel 303
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.12 in (3 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[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	IP67 IEC 60529 IP69K DIN 40050

## Complementary

Thread type	M8 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Sensing range	> 0.1...0.16 in (> 2.5...4 mm)
Operating zone	0.00...0.09 in (0...2.4 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...30 V DC
Maximum residual current	0.1 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	40 ms
Maximum delay response	0.00005 ms
Maximum delay recovery	0.023 ms
Marking	CE
Threaded length	1.81 in (46 mm)
Height	0.31 in (8 mm)
Length	2.60 in (66 mm)
Net weight	0.03 lb(US) (0.015 kg)

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## Environment

Product certifications	CULus
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Vibration resistance	25 gn +/- 1 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 msIEC 60068-2-27

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901802358
Nbr. of units in pkg.	1
Package weight(Lbs)	0.05 lb(US) (0.02 kg)
Returnability	Yes
Country of origin	HU

## Packing Units

Package 1 Height	2.140 dm
Package 1 width	0.800 dm
Package 1 Length	1.800 dm

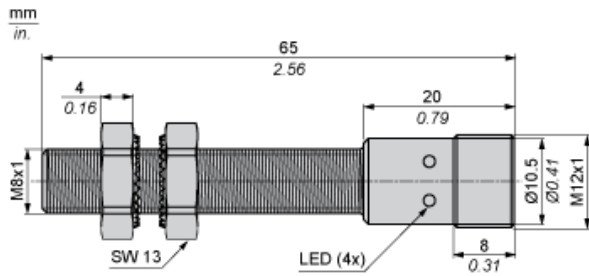
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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>

## 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) 14 mm/0.55 in.

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Face to face



e (2) 15 mm/0.59 in.

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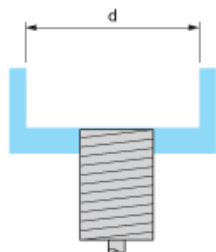
Facing a metal object



e (3) 10 mm/0.39 in.

≥

Mounted in a metal support



d ≥ 12 mm/0.47 in.

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Wiring Schemes

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M12 connector



PNP



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