

# XS9E111A1L01M12

inductive sensor XS9 26x26x13 - PBT -  
Sn10mm - 24VDC - M12 0.15m



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS9
Sensor design	Flat form 26 x 26 x 13
Size	13 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	10 mm
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	24 V DC
IP degree of protection	IP67 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Operating zone	1...10 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 1 V
Status LED	Without
Supply voltage limits	15...36 V DC
Switching frequency	<= 1000 Hz
Current consumption	0...4 mA no-load
Maximum output current drift	10 %
Marking	CE
Depth	13 mm
Height	26 mm
Width	26 mm




## Environment

Product certifications	Ecolab 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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	46 g
Package 1 Height	6.6 cm
Package 1 width	8.8 cm
Package 1 Length	3.4 cm
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	1.237 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

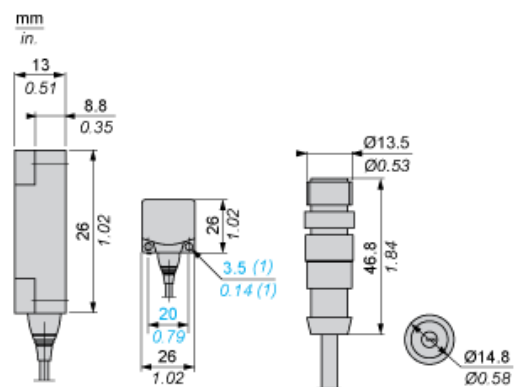
## Offer Sustainability

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
----------	-----------

## Dimensions



(1) For CHC type screws

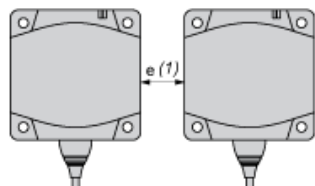
---

Setting-up

---

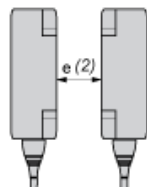
Minimum Mounting Distances (mm)

Side by Side



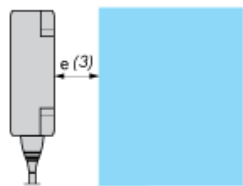
$e(1) \geq 30$

Face to Face



$e(2) \geq 72$

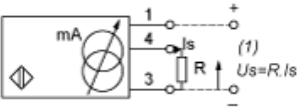
Facing a Metal Object



$e(3) \geq 30$

Wiring Schemes

3-Wire Connection

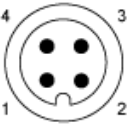


(1) Voltage output

Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	$R \leq 1400 \, \Omega$	0...10 V	$R = 1000 \, \Omega$

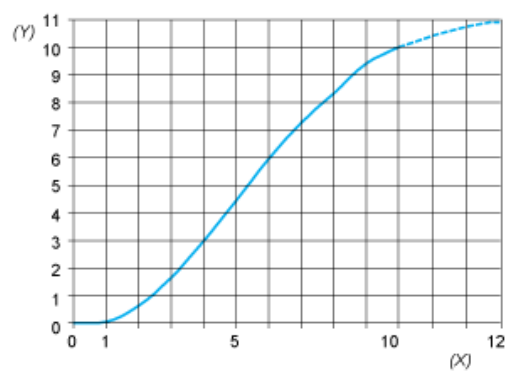
M12



---

Output Curves

---



(Y) Vs (V)

(X) Sensors - object distance (mm)