

# XS9C111A1L2

inductive sensor XS9 40x40x15 - PBT -  
Sn15mm - 24VDC - cable 2m

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS9
Sensor design	Flat form 40 x 40 x 15
Size	15 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Analogue
Wiring technique	3-wire
[Sn] nominal sensing distance	0.59 in (15 mm)
Discrete output function	1 NO
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	6.56 ft (2 m)
[Us] rated supply voltage	24 V DC
IP degree of protection	IP68 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Operating zone	0.08...0.59 in (2...15 mm)
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 1 V
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Status LED	Without
Supply voltage limits	15...36 V DC
Switching frequency	<= 1000 Hz
Current consumption	0...4 mAat no-load
Output current drift	<= 10 %
Marking	CE
Depth	0.59 in (15 mm)
Height	1.57 in (40 mm)
Width	1.57 in (40 mm)

## Environment

Product certifications	UL CSA Ecolab
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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn 11 ms conforming to IEC 60068-2-27

## Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	003389110356045
Nbr. of units in pkg.	1
Package weight(Lbs)	0.27000000000000002
Returnability	N
Country of origin	FR

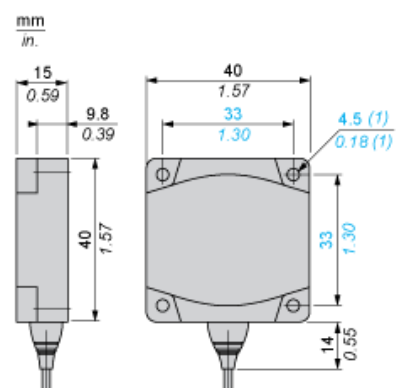
## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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## Dimensions



(1) For CHC type screws

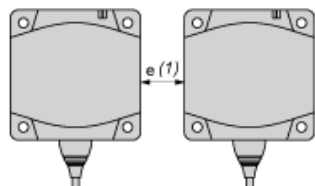
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## Setting-up

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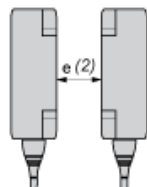
### Minimum Mounting Distances (mm)

Side by Side



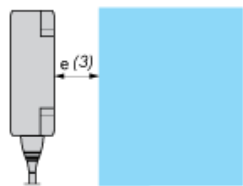
$e (1) \geq 45$

Face to Face



$e (2) \geq 110$

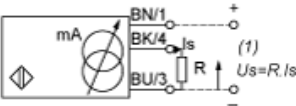
Facing a Metal Object



$e (3) \geq 45$

Wiring Schemes

3-Wire Connection



BU : Blue  
BN : Brown  
BK : Black

(1) Voltage output

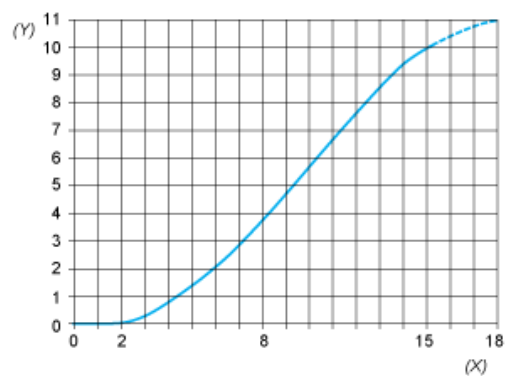
Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

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

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Output Curves

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(Y)  $U_s$  (V)  
(X) Sensors - object distance (mm)

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