

## XS9D111A1L2

inductive sensor XS9 80x80x26 - PBT - Sn40mm - 24VDC - cable 2m



### Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS9
Sensor design	Flat form 80 x 80 x 26
Size	26 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	40 mm
Discrete output function	1 NO
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Cable
Cable length	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	5...40 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	<= 100 Hz
Current consumption	0...4 mA at no-load
Output current drift	<= 10 %
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm

### Environment

product certifications	CSA UL Ecolab
ambient air temperature for operation	-25...70 °C
ambient air temperature for storage	-40...85 °C

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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

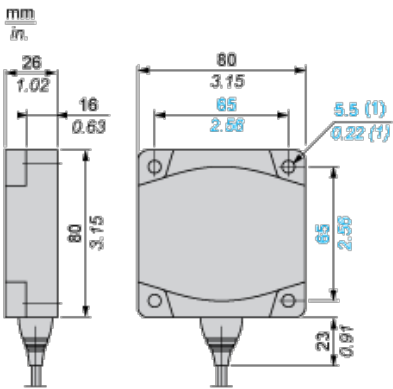
## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity

## Contractual warranty

Warranty period	18 months
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## Dimensions

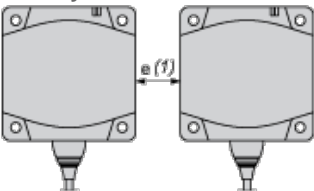


(1) For CHC type screws

## Setting-up

### Minimum Mounting Distances (mm)

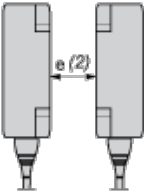
#### Side by Side



e (1) 120

IV

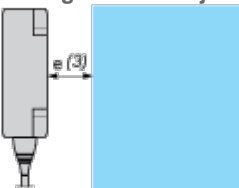
#### Face to Face



e (2) 300

IV

#### Facing a Metal Object

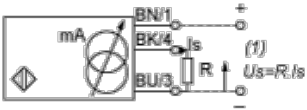


e (3) 120

IV

## Wiring Schemes

### 3-Wire Connection



BU : Blue

BN : Brown

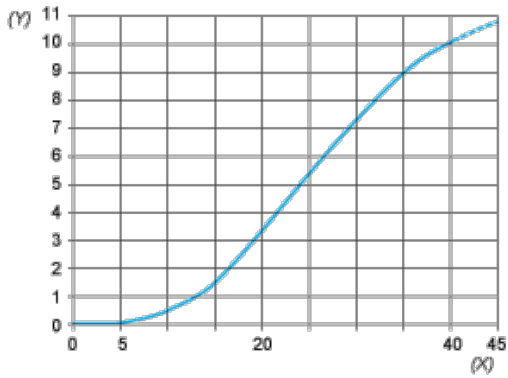
BK : Black

(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	$R = 1000 \Omega$

### Output Curves



(Y)  $U_s$  (V)

(X) Sensors - object distance (mm)