Product data sheet
Characteristics

XS9C111A2L2
inductive sensor XS9 40x40x15 - PBT - Sn15mm - 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 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	2-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NO
Output circuit type	DC
Analogue output range	4...20 mA
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	2...15 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 2 mA
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	Without

Supply voltage limits	15...36 V DC
Switching frequency	<= 1000 Hz
Current consumption	0...4 mA at no-load
Output current drift	<= 10 %
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm

Environment

Product certifications	CSA UL Ecolab
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

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months

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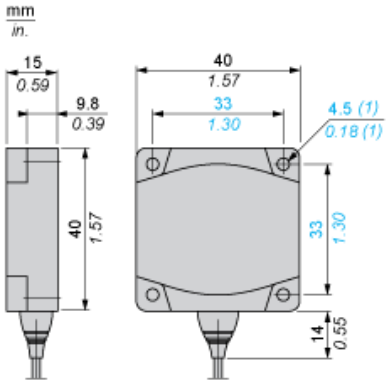
Dimensions

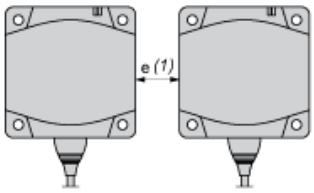


(1) For CHC type screws

Setting-up

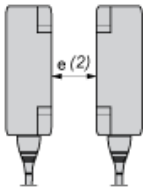
Minimum Mounting Distances (mm)

Side by Side



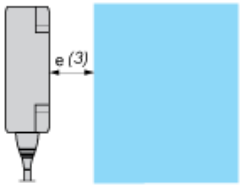
e (1) ≥ 45

Face to Face



e (2) ≥ 110

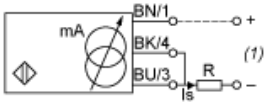
Facing a Metal Object



e (3) ≥ 45

Wiring Schemes

2-Wire Connection

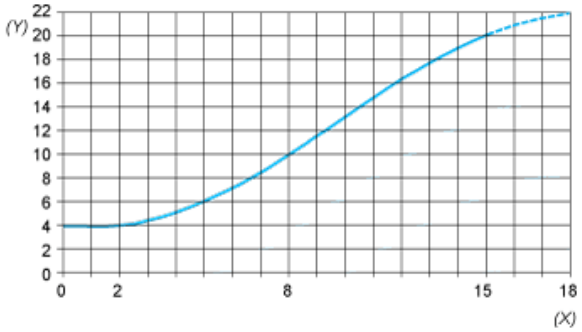


BU : Blue
BN : Brown
BK : Black
(1) Output current

Ensure a minimum of 10 V between the + (terminal 1) and - (terminal 3) of the sensor

	Output current	Load impedance value
12 V	4...20 mA	R ≤ 8.2 Ω
24 V	4...20 mA	R ≤ 470 Ω

Output Curves



(Y) Is (mA)
(X) Sensors - object distance (mm)