Product data sheet
Characteristics

XS9C111A1L01M12
inductive sensor XS9 40x40x15 - PBT - Sn15mm - 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 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
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	2…15 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	15 mm
Height	40 mm
Width	40 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

Package 1 Weight	0.076 kg
Package 1 Height	0.410 dm
Package 1 width	0.950 dm
Package 1 Length	0.640 dm

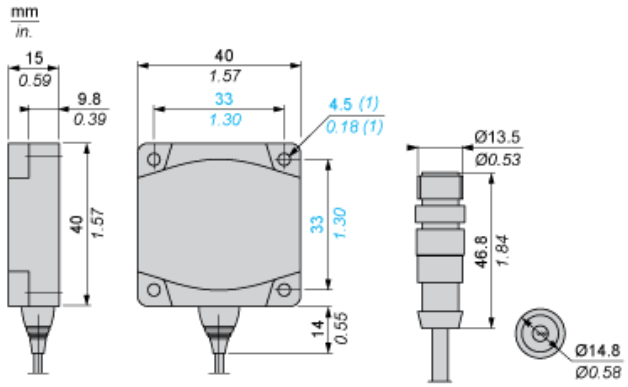
Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

Dimensions

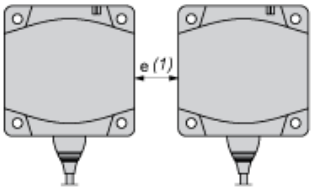


(1) For CHC type screws

Setting-up

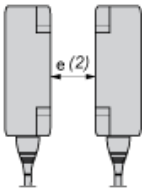
Minimum Mounting Distances (mm)

Side by Side



e (1) 45
≥

Face to Face



e (2) 110
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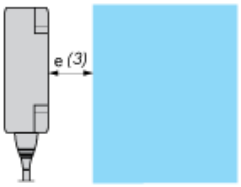
Facing a Metal Object



e (3) 45
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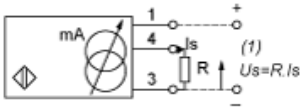
Wiring Schemes

3-Wire Connection

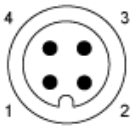


(1) Voltage output

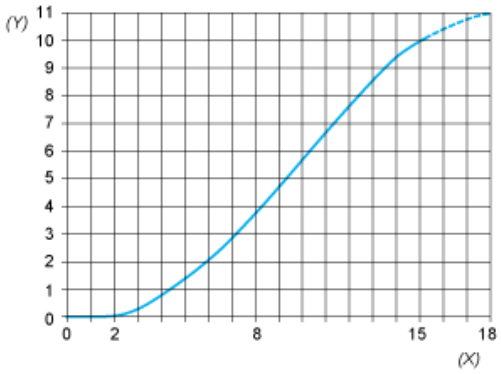
Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	R ≤ 1400 Ω	0...10 V	R = 1000 Ω

M12



Output Curves



(Y) Us (V)
(X) Sensors - object distance (mm)