

XS9E11RPBL01M12

inductive sensor XS9 - 26x26x13 - Sn10mm -
6..6000c/mn - 12..24VDC - M12 0.15m



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Rotation monitoring
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	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	10 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	4 pins M12 remote male connector
Cable length	0.15 m
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 100 mA
IP degree of protection	IP67 double insulation conforming to IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Adjustable frequency range	6...6000 cyc/mn
Operating zone	0...8 mm
Differential travel	3...15% of Fr
Repeat accuracy	3% of Sr
Wire insulation material	PvR
Status LED	1 LED green for supply on 1 LED yellow for output state
Supply voltage limits	10...36 V DC
Residual current	<= 100 mA for open state
Switching frequency	<= 800 Hz
Voltage drop	<= 2 V at closed state
Current consumption	0...10 mA at no-load
Run-up delay at power-up	9 s standard
Marking	CE
Depth	13 mm
Height	26 mm
Width	26 mm
Product weight	0.04 kg

Environment

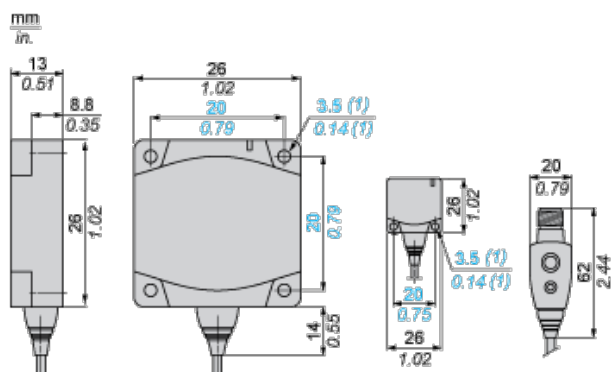
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product certifications	CSA UL
ambient air temperature for operation	-25...70 °C
ambient air temperature for storage	-40...85 °C
vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity

Dimensions

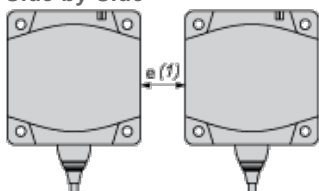


(1) For CHC type screws

Setting-up

Minimum Mounting Distances (mm)

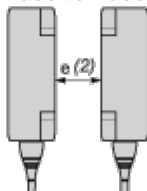
Side by Side



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Face to Face

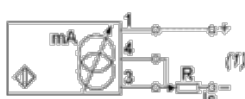


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Wiring Schemes

2-Wire



(1) Output current

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

	Output current	Load impedance value
12 V	4...20 mA	$R \leq 82 \Omega$
24 V	4...20 mA	$R \leq 560 \Omega$