Product datasheet
Characteristics

XS9C11RPBL01M12
Rot. monitoring - 40x40x15 - Sn15mm - 6..6000c/mn - 12..24VDC - M12 0.15m

Price* : 119.81 GBP

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 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	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	15 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Remote male connector M12, 4 pins
Cable length	0.15 m
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 200 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…12 mm
Differential travel	3...15% of Fr
Repeat accuracy	3% of Sr

Wire insulation material	PvR
Status LED	Supply on: 1 LED (green) Output state: 1 LED (yellow)
Supply voltage limits	10…36 V DC
Maximum residual current	100 mA open state
Switching frequency	<= 800 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 mA no-load
Run-up delay at power-up	9 s standard
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm
Product weight	0.06 kg

Environment

Product certifications	UL CSA
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

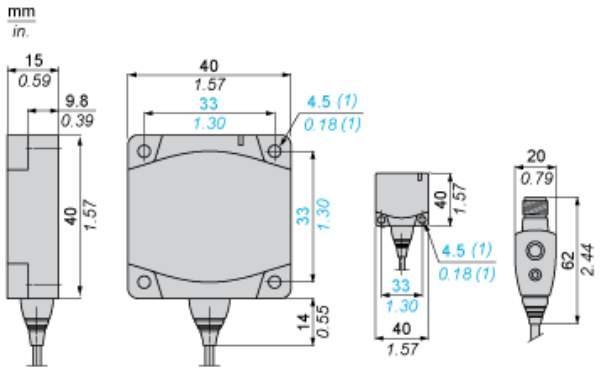
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

XS9C11RPBL01M12

Dimensions

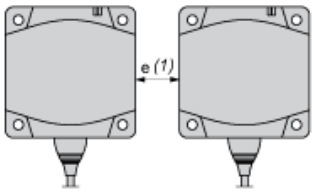


(1) For CHC type screws

Setting-up

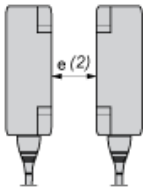
Minimum Mounting Distances (mm)

Side by Side



e (1) ≥ 60

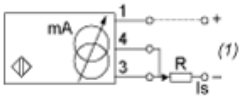
Face to Face



e (2) ≥ 120

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 ≤ 82 Ω
24 V	4...20 mA	R ≤ 560 Ω