Product data sheet
Characteristics

XS9C11RPBL01M12
Inductive proximity sensors XS, Rot. monitoring, 40x40x15, Sn15mm, 6...6000c/mn, 12...24 VDC, M12 0.15 m

Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	Application
Product or component type	Sensor
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
Sensing range	> 8...15 mm
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	PVC
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Height	40 mm
Width	40 mm
Net weight	0.06 kg

Environment

Product certifications	UL[RETURN]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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	6.6 cm
Package 1 Length	9.6 cm
Package 1 Weight	84.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.073 kg

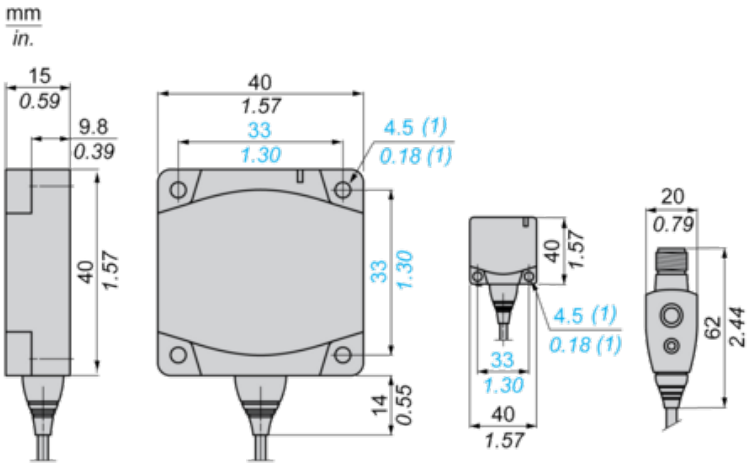
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

Dimensions

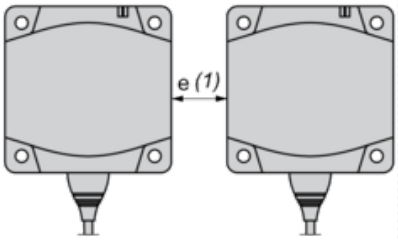


(1) For CHC type screws

Setting-up

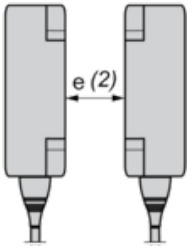
Minimum Mounting Distances (mm)

Side by Side



e (1) ≥ 60

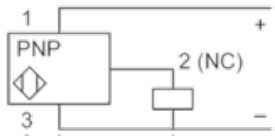
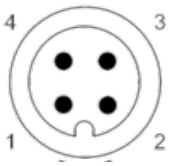
Face to Face



e (2) ≥ 120

Wiring Schemes

PNP



M12