Product data sheet
Characteristics

XS9E11RPBL01M12
Rot. monitoring - 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	Remote male connector M12, 4 pins
Cable length	0.49 ft (0.15 m)
[Us] rated supply voltage	12...24 V DC
Switching capacity in mA	<= 100 mA
IP degree of protection	IP67 double insulation IEC 60529

Complementary

Detection face	Frontal
Front material	PBT
Sensing range	> 8...15 mm
Adjustable frequency range	6…6000 cyc/mn
Operating zone	0.00…0.31 in (0…8 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	0.51 in (13 mm)
Height	1.02 in (26 mm)
Width	1.02 in (26 mm)
Net weight	0.09 lb(US) (0.04 kg)

Environment

Product certifications	UL CSA
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Vibration resistance	25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.12 oz (60 g)
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	1.65 in (4.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	44
Package 2 Weight	6.79 lb(US) (3.079 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

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

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