

XS9E11RPBL01MEX

rotation monitoring hazardous area - 26x26x13
- Sn 10mm - NC - M12 connector



Main

Range of product	OsiSense XS ATEX D
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Rotation monitoring ATEX dust
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
[Sn] nominal sensing distance	10 mm
Type of output signal	Discrete
Wiring technique	3-wire
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	<= 100 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...8 mm
Differential travel	3...15% of Sr

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	II2 D-Ex tb IIIC T90°C Db IP68
Depth	13 mm
Height	40 mm
Width	26 mm




Environment

Environmental characteristic	Hazardous location
Standards	EN/IEC 60079-31 EN/IEC 60079-0
Directives	94/9/EC - ATEX directive
Product certifications	INERIS 06ATEX0065X
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
Dust zone	Zone 21 - 22

Packing Units

Package 1 Weight	0.087 kg
Package 1 Height	0.300 dm
Package 1 width	1.500 dm
Package 1 Length	2.100 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
----------	-----------