Product data sheet Characteristics

XS930R1PAM12

inductive sensor XS9 M30 - L64mm - full SS 303 - Sn20 mm - 12..24VDC - M12



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Harsh environment application
Sensor name	XS9
Sensor design	Cylindrical M30
Size	64 mm
Body type	Single piece body
Enclosure material	Stainless steel 303
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.79 in (20 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	1224 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP69K DIN 40050 IP68 IEC 60529

Complementary

Complementary	
Thread type	M30 x 1.5
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Sensing range	> 0.591.57 in (> 1540 mm)
Operating zone	0.000.63 in (016 mm)
Differential travel	115 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	1030 V DC
Maximum residual current	0.1 mA open state
Switching frequency	<= 100 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	40 ms
Maximum delay response	0.00006 ms
Maximum delay recovery	0.015 ms
Marking	CE
Threaded length	1.65 in (42 mm)
Height	1.18 in (30 mm)
Length	2.52 in (64 mm)

Environment

Product certifications	CULus	
Ambient air temperature for operation	-13158 °F (-2570 °C)	
Ambient air temperature for storage	-13158 °F (-2570 °C)	
Vibration resistance	25 gn +/- 1 mm 1055 Hz)IEC 60068-2-6	
Shock resistance	30 gn 11 msIEC 60068-2-27	

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY	
Discount Schedule	DS2	
GTIN	00785901324737	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.32 lb(US) (0.15 kg)	
Returnability	Yes	
Country of origin	HU	

Packing Units

Package 1 Height	0.300 dm
Package 1 width	2.100 dm
Package 1 Length	1.900 dm

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

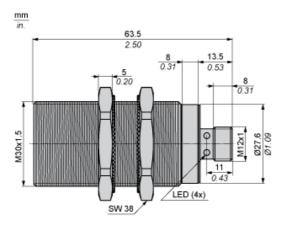
Contractual warranty

١	Warranty	18 months

Product data sheet Dimensions Drawings

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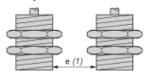
Dimensions



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Minimum Mounting Distances in mm

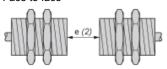
Side by side



e (1) 80 mm/3.15 in.

≥

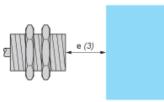
Face to face



e (2) 70 mm/2.76 in.

≥

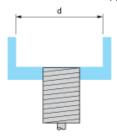
Facing a metal object



e (3) 60 mm/2.36 in.

≥

Mounted in a metal support



d ≥ 90 mm/3.54 in.

Product data sheet Connections and Schema

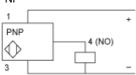
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Wiring Schemes

M12 connector







1 : 2 : 3 :

(+) Not connected

3 : (-) 4 : NO Output