

XS912R4PAM12

inductive sensor XS9 M12 - L60mm - full SS
303 - Sn10 mm - 12..24VDC - M12

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Industrial machines
Sensor name	XS9
Sensor design	Cylindrical M12
Size	60 mm
Body type	Single piece body
Enclosure material	Stainless steel 303
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	0.39 in (10 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP68 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M12 x 1
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Operating zone	> 0...0.31 in (> 0...8 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	1 LED yellow output state
Supply voltage limits	10...30 V DC
Residual current	<= 0.1 mA for open state
Switching frequency	<= 400 kHz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 40 ms
Delay response	<= 0.00006 ms
Delay recovery	<= 0.015 ms
Marking	CE
Threaded length	1.42 in (36 mm)
Height	0.47 in (12 mm)
Length	2.36 in (60 mm)
Product weight	0.05 lb(US) (0.023 kg)

Environment

Product certifications	cULus
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Vibration resistance	25 gn amplitude = +/- 1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn 11 ms conforming to IEC 60068-2-27

Ordering and shipping details

Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901452133
Nbr. of units in pkg.	1
Package weight(Lbs)	7.0000000000000007E-2
Returnability	N
Country of origin	HU

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1206 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Technical drawing of the LED module showing dimensions in mm and inches. The module has a total length of 60 mm (2.36 inches). It features a central section with four LEDs (LED 4x) and a switch (SW 17). The drawing includes various diameters (M12x1, Ø10.5, Ø0.41) and specific lengths for different components.

Dimension	Value (mm)	Value (inches)
Total Length	60	2.36
LED Section Length	19	0.75
LED Spacing	4	0.16
LED Diameter	Ø10.5	-
LED Mounting Hole Diameter	Ø0.41	-
LED Section Width	11	0.43
LED Section Thickness	8	0.31
LED Section Diameter	M12x1	-
LED Section Length	6	0.24
LED Section Diameter	M12x1	-
LED Section Length	6	0.24
LED Section Diameter	M12x1	-

Minimum Mounting Distances in mm

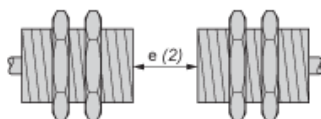
Side by side



e (1) 108 mm/4.25 in.

≥

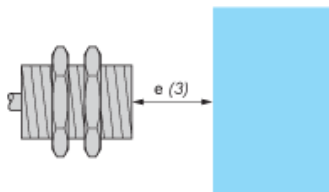
Face to face



e (2) 40 mm/1.57 in.

≥

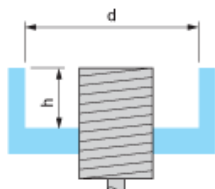
Facing a metal object



e (3) 30 mm/0.18 in.

≥

Mounted in a metal support

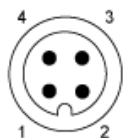


d ≥ 30 mm/0.18 in.

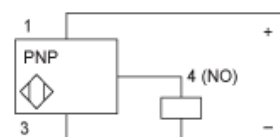
h ≥ 22 mm/0.87 in.

Wiring Schemes

M12 connector



PNP



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output

Mouser Electronics

Authorized Distributor

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