

XS908R1PAM12

Inductive proximity sensors XS, inductive sensor XS9 M8, L66mm, full SS 303, Sn3 mm, 12...24 VDC, M12



Main

Range of Product	Telemecanique Inductive proximity sensors XS
Series name	Application
Sensor Type	Inductive proximity sensor
Device Application	Harsh environment application
Sensor name	XS9
Sensor design	Cylindrical M8
Size	66 mm
Body type	Single piece body
Enclosure Material	Stainless steel 303
Type of output signal	Discrete
Wiring Technique	3-wire
[Sn] nominal sensing distance	0.12 in (3 mm)
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Switching capacity in mA	<= 200 mA overload and short-circuit protection
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Complementary

Thread type	M8 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Sensing range	> 0.1...0.16 in (> 2.5...4 mm)
Operating zone	0.00...0.09 in (0...2.4 mm)
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	Output state 1 LED yellow)
Supply voltage limits	10...30 V DC
Maximum residual current	0.1 mA open state
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	40 ms
Maximum delay response	0.00005 ms
Maximum delay recovery	0.023 ms
Marking	CE
Threaded length	1.81 in (46 mm)
Height	0.31 in (8 mm)

Length	2.60 in (66 mm)
Net Weight	0.03 lb(US) (0.015 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 +/- 1 mm 10...55 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	3389119079044
Returnability	No
Country of origin	HU

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.59 in (1.5 cm)
Package 1 Width	2.76 in (7 cm)
Package 1 Length	3.94 in (10 cm)
Package 1 Weight	0.88 oz (25 g)
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	28.57 oz (810 g)

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)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

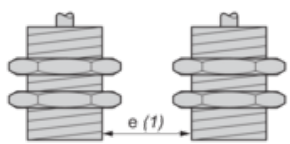
Contractual warranty

Warranty	18 months
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Technical drawing of the LED module (LED 1000) showing dimensions in mm and inches. The drawing includes a side view with dimensions: 4 mm (0.16 in) for the first section, 65 mm (2.56 in) for the main body, 20 mm (0.79 in) for the LED section, and 8 mm (0.31 in) for the mounting bracket. The mounting bracket has a diameter of 10.5 mm (Ø10.5) and a thread of M12x1. The LED section has four LEDs (LED 4x). The side view also shows a thread of M8x1 and a SW 13 hex key size.

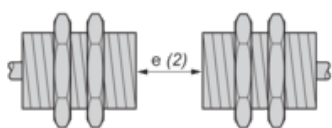
Minimum Mounting Distances in mm

Side by side



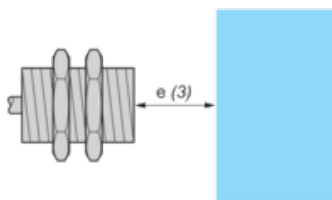
$e (1) \geq 14 \text{ mm}/0.55 \text{ in.}$

Face to face



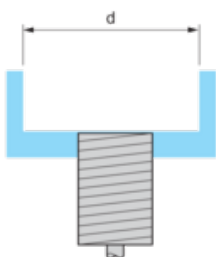
$e (2) \geq 15 \text{ mm}/0.59 \text{ in.}$

Facing a metal object



$e (3) \geq 10 \text{ mm}/0.39 \text{ in.}$

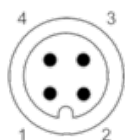
Mounted in a metal support



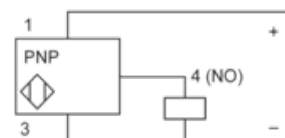
$d \geq 12 \text{ mm}/0.47 \text{ in.}$

Wiring Schemes

M12 connector



PNP



1 : (+)

2 : Not connected

3 : (-)

4 : NO Output

Mouser Electronics

Authorized Distributor

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