Product datasheet Characteristics

XS912R4PAM12

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



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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 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	10 mm	
Discrete output function	1 NO	
Discrete output type	PNP	
Electrical connection	Male connector M12, 4 pins	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Switching capacity in mA	<= 200 mA with overload and short-circuit protection	
IP degree of protection	IP69K conforming to DIN 40050 IP68 conforming to IEC 60529	

Complementary

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Thread type	M12 x 1	q
Detection face	Frontal	c
Detector flush mounting acceptance	Non flush mountable	
Material	Stainless steel 303	_ intel
Front material	Stainless steel 303	.s.
Sensing range	> 815 mm	
Operating zone	08 mm	men
Differential travel	115 % of Sr	- docu
Repeat accuracy	<= 5 % of Sr	— sid

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	<= 400 kHz
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	36 mm
Height	12 mm
Length	60 mm
Net weight	0.023 ka

Environment

Product certifications	CULus
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-2570 °C
Vibration resistance	25 gn amplitude = +/- 1 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Package 1 Weight	0.034 kg	
Package 1 Height	0.070 dm	
Package 1 width	2.100 dm	
Package 1 Length	1.900 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

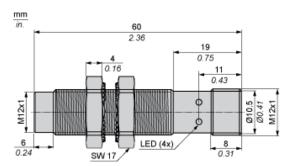
Contractual warranty

Contractical Warranty	
Warranty	18 months

Product datasheet Dimensions Drawings

XS912R4PAM12

Dimensions

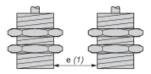


Product datasheet Mounting and Clearance

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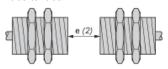
Minimum Mounting Distances in mm

Side by side

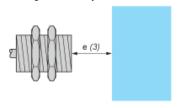


e (1) ≥ 108 mm/4.25 in.

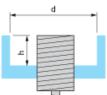
Face to face



e (2) ≥ 40 mm/1.57 in. Facing a metal object



e (3) ≥ 30 mm/0.18 in. Mounted in a metal support



 $d \ge 30 \text{ mm/}0.18 \text{ in.}$ $h \ge 22 \text{ mm/}0.87 \text{ in.}$

Product datasheet Connections and Schema

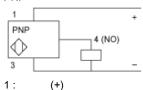
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Wiring Schemes

M12 connector



PNP



1 : (+) 2 : Not connected

3: (-) 4: NO Output