XS918RWPAM12

inductive sensor XS9 M18 - L64mm - full SS 303 - Sn10 mm - 12..24VDC - M12

Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	Welding machine
Sensor name	XS9
Sensor design	Cylindrical M18
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	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

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Complementary

Thread type	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Operating zone	> 0...8 mm
Differential travel	1...15 % of Sr
Repeat accuracy	<= 5 % of Sr
Output circuit type	DC
Status LED	1 LED yellow for output state
Supply voltage limits	10...30 V DC
Residual current	<= 0.1 mA for open state
Switching frequency	<= 15 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 80 ms
Delay response	<= 0.0001 ms
Delay recovery	<= 0.015 ms
Marking	CE
Threaded length	42 mm
Height	18 mm
Length	64 mm
Product weight	0.051 kg

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Environment

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

Offer Sustainability

Sustainable offer status	Not Green Premium product
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

Contractual warranty

Warranty period	18 months

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Dimensions
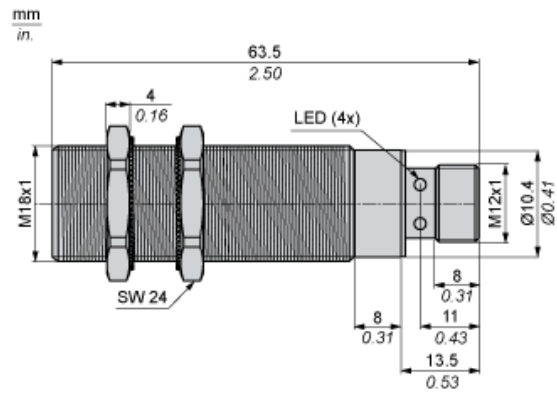
Minimum Mounting Distances

Side by side
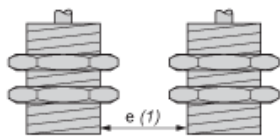
e (1) ≥ 42 mm/1.65 in.

Face to face
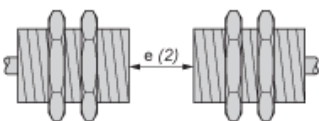
e (2) ≥ 40 mm/1.57 in.

Facing a metal object
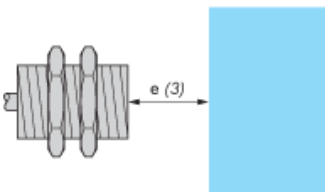
e (3) ≥ 30 mm/1.18 in

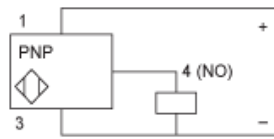Mounted in a metal support

d ≥ 50 mm/1.97 in
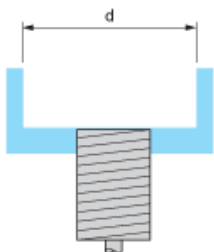
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Wiring Schemes

M12 connector

PNP

X-ON Electronics

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