

Product data sheet

Characteristics

XS918RWPAM12

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

Product availability: Stock - Normally stocked in distribution facility



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	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	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	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	<= 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	1.65 in (42 mm)
Height	0.71 in (18 mm)
Length	2.52 in (64 mm)
Product weight	0.11 lb(US) (0.051 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	00785901735427
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14000000000000001
Returnability	Y
Country of origin	HU

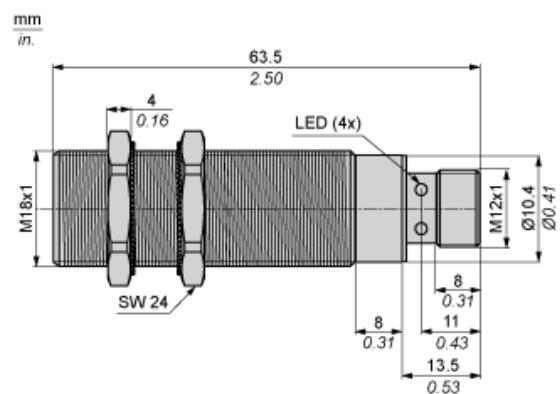
Offer Sustainability

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	Diisobutyl 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

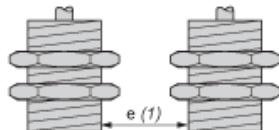
Warranty period	18 months
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Dimensions



Minimum Mounting Distances

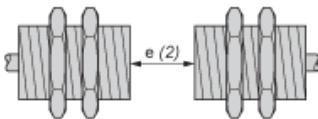
Side by side



$e (1)$ 42 mm/1.65 in.

\geq

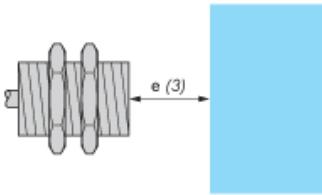
Face to face



$e (2)$ 40 mm/1.57 in.

\geq

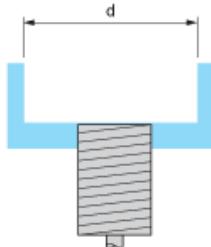
Facing a metal object



$e (3)$ 30 mm/1.18 in

\geq

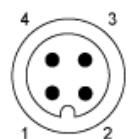
Mounted in a metal support



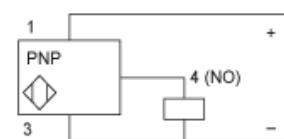
$d \geq$ 50 mm/1.97 in

Wiring Schemes

M12 connector



PNP



Mouser Electronics

Authorized Distributor

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