## XS918R4PAM12

Inductive proximity sensors XS, inductive sensor XS9 M18, L64mm, full SS 303, Sn20mm, 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 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	20 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

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Detector flush mounting acceptance	Non flush mountable
Material	Stainless steel 303
Front material	Stainless steel 303
Sensing range	> 1540 mm
Operating zone	016 mm
Differential travel	115 % of Sr
Repeat accuracy	<= 5 % of Sr
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	<= 200 Hz
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	35 mm
Height	18 mm

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 interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not 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 TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.



Length	64 mm
Net weight	0.051 kg
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	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	8.000 cm
Package 1 Length	10.000 cm
Package 1 Weight	61.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.716 kg
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

## Contractual warranty

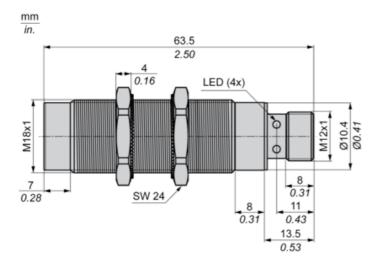
14/	40
Warranty	18 months
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# Product data sheet Dimensions Drawings

# XS918R4PAM12

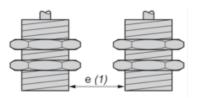
## **Dimensions**



# XS918R4PAM12

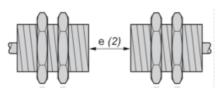
## Minimum Mounting Distances

### Side by side

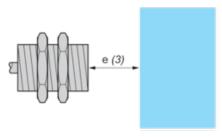


e (1) ≥ 182 mm/7.16 in.

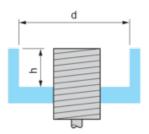
### Face to face



e (2) ≥ 70 mm/2.75 in. Facing a metal object



e (3) ≥ 60 mm/2.36 in Mounted in a metal support



 $d \ge 60 \text{ mm}/2.36 \text{ in}$  $h \ge 34 \text{ mm}/1.34 \text{ in}$ 

# Product data sheet Connections and Schema

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## Wiring Schemes

#### M12 connector



PNP

