## Product data sheet Characteristics

## XS4P12PA370D

Inductive proximity sensors XS, inductive sensor XS4 M12, L61mm, PPS, Sn4mm, 12...48 VDC, M12





#### Main

Mairi		
Range of product	Telemecanique Inductive proximity sensors XS	
Series name	General purpose	
Sensor type	Inductive proximity sensor	
Sensor name	XS4	
Sensor design	Cylindrical M12	
Size	61 mm	
Body type	Fixed	
Detector flush mounting acceptance	Non flush mountable	
Material	Plastic	
Type of output signal	Discrete	
Wiring technique	3-wire	
[Sn] nominal sensing distance	4 Mm	
Discrete output function	1 NO	
Output circuit type	DC	
Discrete output type	PNP	
Electrical connection	Male connector M12, 4 pins	
[Us] rated supply voltage	1248 V DC with reverse polarity protection	
Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection	
IP degree of protection	IP67 conforming to IEC 60529	

#### Complementary

Thread type	M12 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure material	PPS	
Operating zone	03.2 Mm	
Differential travel	115% of Sr	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1058 V DC	
Switching frequency	<= 5000 Hz	
Maximum voltage drop	<2 V (closed)	
Current consumption	010 mA no-load	
Maximum delay first up	10 Ms	
Maximum delay response	0.1 Ms	

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.

Maximum delay recovery	0.1 Ms	
Marking	CE	
Threaded length	42 Mm	
Height	18 Mm	
Length	61 Mm	
Net weight	0.065 Kg	

#### Environment

Product certifications	CSA UL CCC
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

#### Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	16 G
Package 1 Height	6 Cm
Package 1 width	6.2 Cm
Package 1 Length	13 Cm
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	517 G
Package 2 Height	15 Cm
Package 2 width	15 Cm
Package 2 Length	40 Cm
Package 3 Height	15 Cm

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

#### Contractual warranty

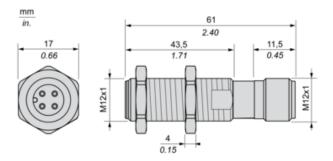
Warranty	18 months



# Product data sheet Dimensions Drawings

## XS4P12PA370D

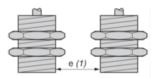
#### Dimensions



## XS4P12PA370D

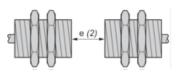
#### Minimum Mounting Distances

#### Side by side

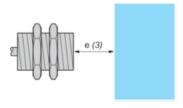


e (1) ≥ 16 mm/0.63 in.

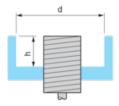
Face to face



e (2) ≥ 48 mm/1.89 in. Facing a metal object



e (3) ≥ 12 mm/0.47 in. Mounted in a metal support



 $d \ge 36 \text{ mm}/1.42 \text{ in.}$ h ≥ 8 mm/0.31 in.

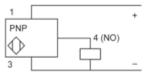
## XS4P12PA370D

#### Wiring Schemes

#### M12 connector



#### PNP

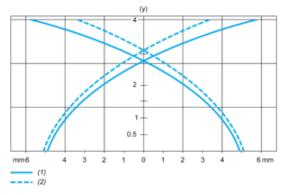


- 1:(+)
- 2 : Not connected
- 3:(-)
- 4 : NO Output

## XS4P12PA370D

#### **Performance Curves**

Standard Steel Target: 12x12x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm

Product Life Status: Commercialised