Product data sheet Characteristics

XS1M12KP340

inductive sensor XS1 M12, L50mm, brass, Sn2mm, 12..24VDC, cable 2m





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M12
Size	54 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	4-wire
[Sn] nominal sensing distance	2 Mm
Discrete output function	1 NO or 1 NC programmable
Output circuit type	DC
Discrete output type	PNP and NPN
Electrical connection	Cable
Cable length	2 M
[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	IP68 double insulation conforming to IEC 60529

Complementary

Thread type	M12 x 1	
Detection face	Frontal	
Front material	PPS	
Enclosure material	Nickel plated brass	
Operating zone	01.6 Mm	
Differential travel	115% of Sr	
Cable composition	4 x 0.22 mm²	
Wire insulation material	PvR	
Status LED	Output state: 1 LED (yellow)	
Supply voltage limits	1036 V DC	
Switching frequency	<= 5000 Hz	
Maximum voltage drop	<2.6 V (closed)	
Current consumption	010 mA no-load	

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 first up	5 Ms	
Maximum delay response	0.1 Ms	
Maximum delay recovery	0.1 Ms	
Marking	CE	
Threaded length	42 Mm	
Length	54 Mm	
Net weight	0.075 Kg	

Environment

Product certifications	CSA UL
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	101.9 G
Package 1 Height	4.2 Cm
Package 1 width	9.6 Cm
Package 1 Length	13.5 Cm
Unit Type of Package 2	S03
Number of Units in Package 2	44
Package 2 Weight	4.953 Kg
Package 2 Height	30 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm

Offer Sustainability

Green Premium product
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Yes
€Yes
Product Environmental Profile
End Of Life Information

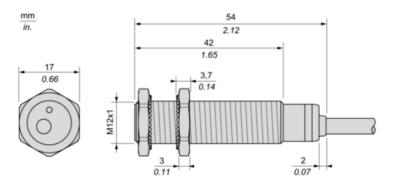
Contractual warranty

Warranty	18 months



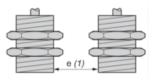
XS1M12KP340

Dimensions



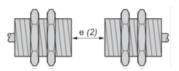
Minimum Mounting Distances

Side by side

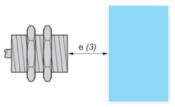


e (1) \geq 4 mm/0.16 in.

Face to face

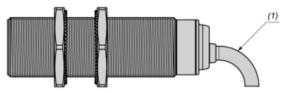


e (2) ≥ 24 mm/0.94 in. Facing a metal object



e (3) ≥ 6 mm/0.24 in.

Mounting



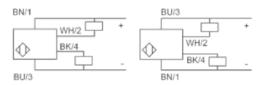
(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes

4-Wire DC, PNP/NPN, NO or NC Output

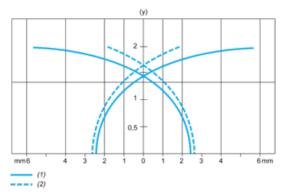


BU : Blue BN : Brown BK : Black WH : White

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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