Product datasheet

Specifications

Green Premium™

inductive sensor XS4 M12 - L48mm - PPS - Sn4mm - 12..24VDC - M12

Local distributor code: 386330009   XS4P12NA340D

EAN Code : 3389110912951

Main

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	48 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	NPN
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...24 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	0…3.2 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)

Supply voltage limits	10…36 V DC
Switching frequency	<= 5000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.1 ms
Maximum delay recovery	0.1 ms
Marking	CE
Threaded length	27 mm
Height	18 mm
Length	48 mm
Net weight	0.02 kg

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 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	2.2 cm
Package 1 Width	2.5 cm
Package 1 Length	15.3 cm
Package 1 Weight	14 g
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	615 g
Package 3 Height	15 cm

Offer Sustainability

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Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU 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

Dimensions

mm
in.

17
0.66

48
1.88

30,5
1.20

11,5
0.45

M12x1

M12x1

4
0.15
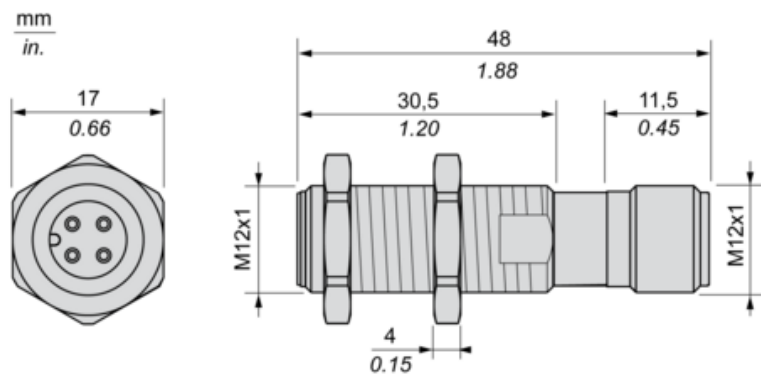
Minimum Mounting Distances

Side by side

e (1) ≥ 16 mm/0.63 in.

Face to face
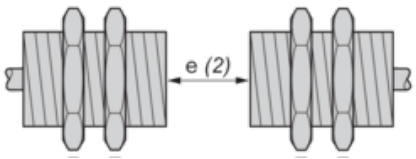
e (2) ≥ 48 mm/1.89 in.

Facing a metal object
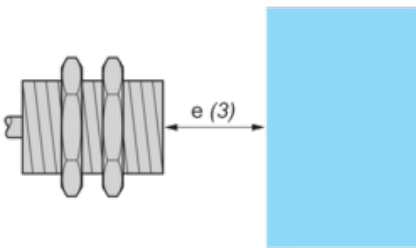
e (3) ≥ 12 mm/0.47 in.

Mounted in a metal support
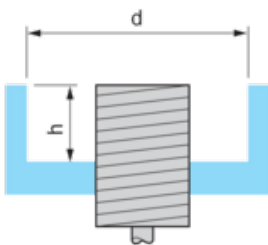
d ≥ 36 mm/1.42 in.
h ≥ 8 mm/0.31 in.

Wiring Schemes

M12 connector
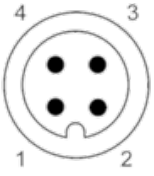
NPN
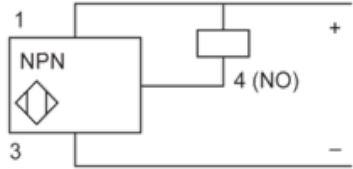
1 : (+)

2 : Not connected

3 : (-)

4 : NO Output

XS4P12NA340D

Performance Curves

Standard Steel Target : 12x12x1 mm
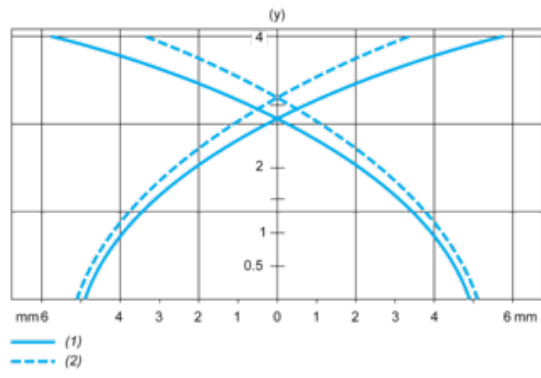
(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm

Recommended replacement(s)