Product data sheet

Specifications

Green Premium™

Inductive proximity sensors XS, inductive sensor XS4 M12, L35mm, PPS, Sn4mm, 12...24 VDC, cable 5 m

XS4P12PA340L1

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	35 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	Cable
Cable length	5 m
[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	IP68 double insulation 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

Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
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	25 mm
Height	12 mm
Length	35 mm
Net weight	0.18 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	Db
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	11.0 cm
Package 1 Length	14.0 cm
Package 1 Weight	144.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.474 kg

## Offer Sustainability

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

Life Is On | Schneider Electric

Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

Contractual warranty

Warranty	18 months

Dimensions

Mar 20, 2023

XS4P12PA340L1
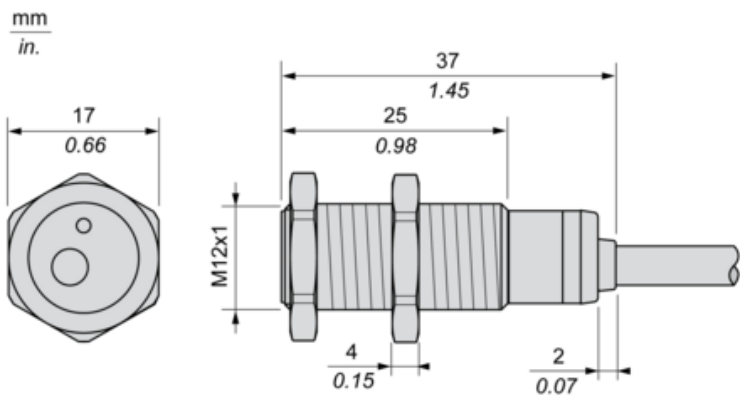
Minimum Mounting Distances

Side by side

e (1) ≥ 16 mm/0.63 in.

Face to face
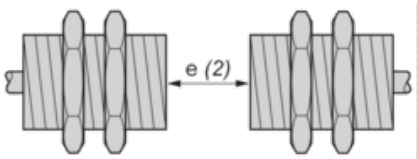
e (2) ≥ 48 mm/1.89 in.

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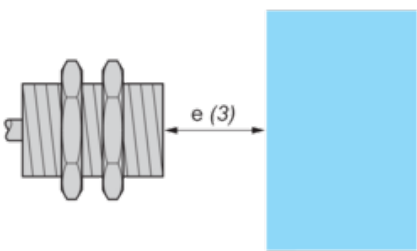
e (3) ≥ 12 mm/0.47 in.

Mounted in a metal support

d ≥ 36 mm/1.42 in.
h ≥ 8 mm/0.31 in.

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Mounting

(1) Bending cable: 4 x external cable diameter

Wiring Schemes

PNP
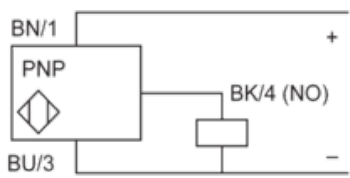
BU : Blue

BN : Brown

BK : Black

Performance Curves

Standard Steel Target : 12x12x1 mm

(1) —— (1)
(2) ----- (2)
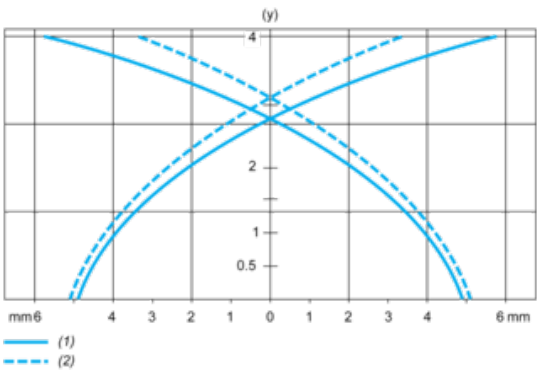
(1) Pick-up points

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

(y) Sensing distance in mm

Recommended replacement(s)