Product data sheet

Specifications

Green Premium™

Inductive proximity sensors XS, Inductive sensor XS4 M12, L52mm, PPS, Sn4mm, 24...240VAC/DC, cable 2 m

XS4P12MB230

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	52 mm
Body type	Fixed
Detector flush mounting acceptance	Non flush mountable
Material	Plastic
Type of output signal	Discrete
Wiring technique	2-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NC
Output circuit type	AC/DC
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Switching capacity in mA	5...200 mA AC/DC
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	2 x 0.34 mm²

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Wire insulation material	PvR
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	20…264 V AC/DC
Maximum residual current	0.6 mA open state
Switching frequency	<= 25 Hz AC <= 3000 Hz DC
Maximum voltage drop	<5.5 V (closed)
Maximum delay first up	40 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms
Marking	CE
Threaded length	42 mm
Height	12 mm
Length	52 mm
Net weight	0.065 kg

Environment

Product certifications	UL CSA CCC Ecolab
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	2.4 cm
Package 1 Width	14.6 cm
Package 1 Length	15.7 cm
Package 1 Weight	60.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.682 kg
Package 3 Height	15 cm

## 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)

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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

XS4P12MB230

Dimensions
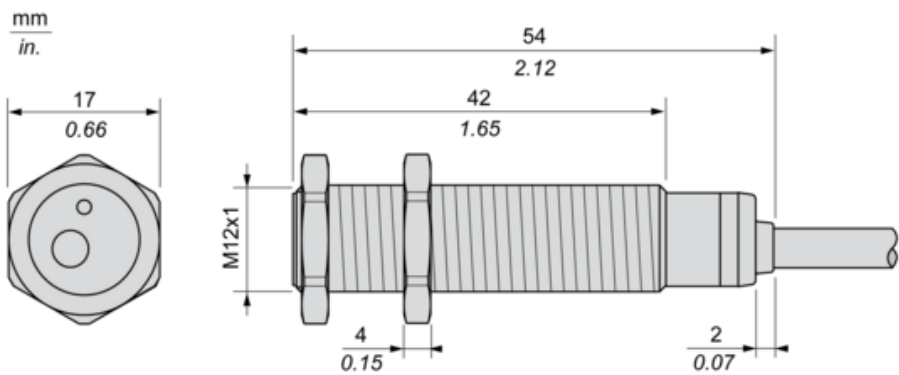
Minimum Mounting Distances

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.

Mounting

(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NC output

BU : Blue

BN : Brown

XS4P12MB230
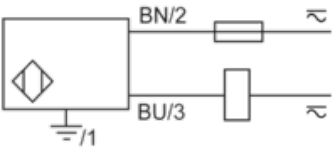
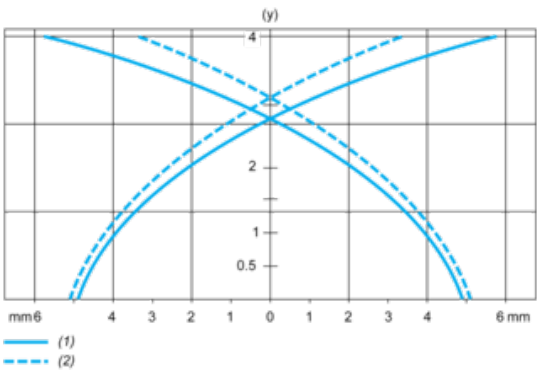## Performance Curves

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)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Proximity Sensors *category:*

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Other Similar products are found below :

70.360.2428.0   8027AL20NL2CPXX   9221350022   922AA2W-A9P-L   GL-12F-C2.5X10(LOT3)   972AB3XM-A3P-L   PS3251   980659-1

E2E2-X5M41-M4   E2E-X14MD1-G   E2E-X2D1-G   E2E-X4MD1-G   E2E-X5E1-5M-N   E2E-X5Y2-N   EI3010TBOP   MS605AU   EP175-32000

IC08ANC15PO-K   25.332.0653.1   25.352.0753.0   922AA1HI-A4P-L   922AA2XM-B9P-L   922FS0.8-H4P-G-020   922FS1.5C-A4P-Z774

SC606ABV0S30   SM552A100   SM851A1200FP   F3S-A162-U   GL-12F-C2X10(LOT10)   GL-8HIBX10   QT-08L   RDS-DIN3-PA-D1

34.110.0010.0   3U02   TL-C2MF1-M3-E4   TL-X10F1-G   TLX5C1GE   TL-X5Y1-52   IA08BLF15NOM5   IA08BSF15NOM5   IA12ASF04DOM1

XS518B1NBL10   XS518B1NBL5   XS530BSDAL5   Y92E-P1D2H5   DR10GTI   DSM2C550   ZS-2065   ZS-2295   101XK11-1S