XS4P12MA230K

inductive sensor XS4 M12 - L61mm - PPS - Sn4mm - 24..240VAC/DC - 1/2"

Green Premium

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Device application	-
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	2-wire
[Sn] nominal sensing distance	4 mm
Discrete output function	1 NO
Output circuit type	AC/DC
Electrical connection	1/2"20 UNF male connector, 3 pins
[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	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

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Status LED	1 LED (yellow) for output state
Supply voltage limits	20...264 V AC/DC
Residual current	<= 0.6 mA (open state)
Switching frequency	<= 25 Hz (AC) <= 3000 Hz (DC)
Voltage drop	<= 5.5 V (closed
Delay first up	<= 40 ms
Delay response	<= 0.2 ms
Delay recovery	<= 0.2 ms
Marking	CE
Threaded length	42 mm
Height	15 mm
Length	61 mm

Environment

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Product certifications	CCC CSA UL 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 (duration = 11 ms) conforming to IEC 60068-2-27

Offer Sustainability

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Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0808 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

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Dimensions

(1)   LED

XS4P12MA230K
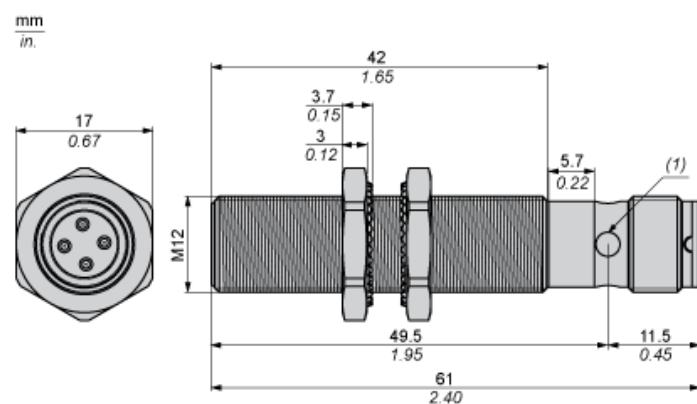
Minimum Mounting Distances

Side by side
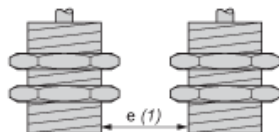
e (1) ≥   16 mm/0.63 in.

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
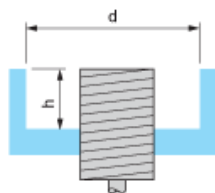
d ≥   36 mm/1.42 in.
h ≥   8 mm/0.31 in.

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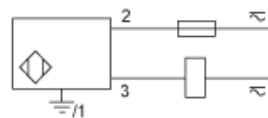## Wiring Schemes
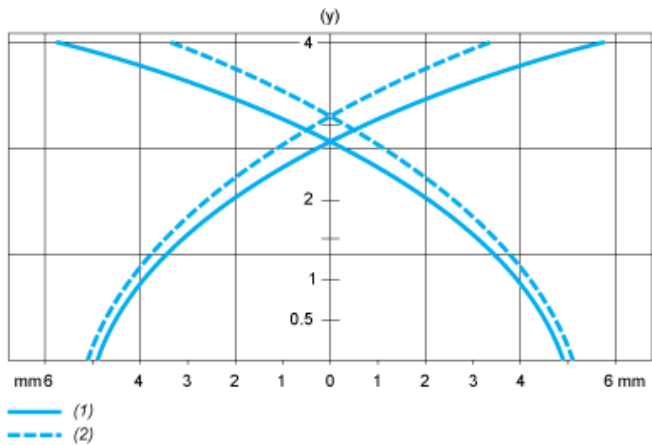
1/2"-20UNF
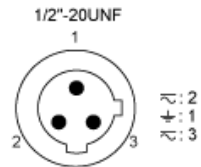
1 :   Grounding
2 :   AC
3 :   AC

NO output

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