XS4P30NB370D

inductive sensor XS4 M30 - L70mm - PPS - Sn15mm - 12..48VDC - M12

Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M30
Size	70 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	15 mm
Discrete output function	1 NC
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	12...48 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	M30 x 1.5
Detection face	Frontal
Front material	PPS
Enclosure material	PPS
Operating zone	0…12 mm
Differential travel	1...15% of Sr
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	10…58 V DC
Switching frequency	<= 1000 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	0...10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.3 ms
Maximum delay recovery	0.7 ms
Marking	CE
Threaded length	52 mm
Height	30 mm
Length	70 mm
Net weight	0.08 kg

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Environment

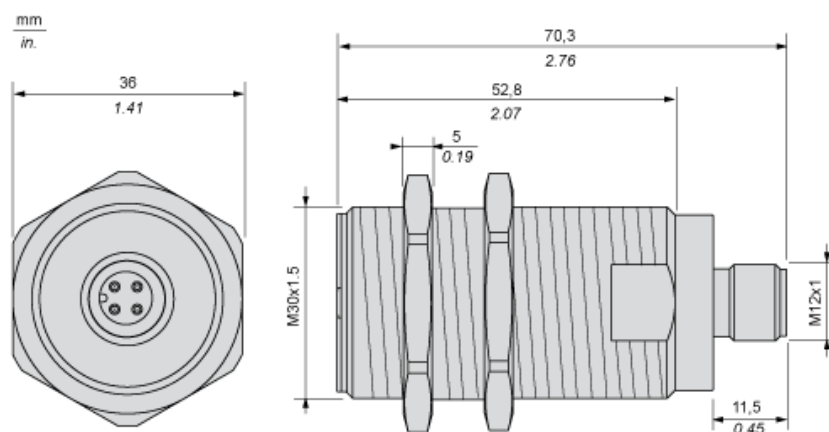|	
Product certifications	CSA CCC UL
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Package 1 Weight	0.087 kg
Package 1 Height	0.041 dm
Package 1 width	0.064 dm
Package 1 Length	0.094 dm

Contractual warranty

Warranty	18 months

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Dimensions

Minimum Mounting Distances

Side by side

e (1) 60 mm/2.36 in.
≥

Face to face

e (2) 180 mm/7.09 in.
≥

Facing a metal object

e (3) 45 mm/1.77 in.
≥

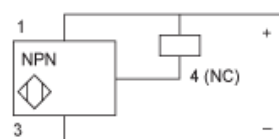Mounted in a metal support
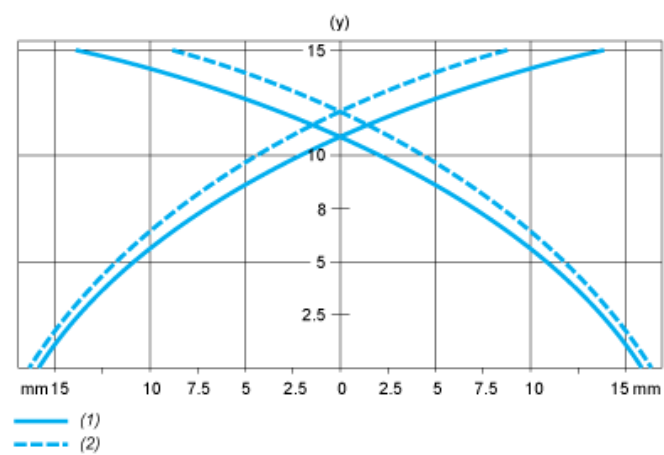

d ≥   90 mm/3.54 in.
h ≥   30 mm/1.18 in.

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Wiring Schemes

M12 connector

NPN

1 :   (+)
2 :   NC Output
3 :   (-)
4 :   Not connected

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Performance Curves

Standard Steel Target : 45x45x1 mm

(1) Pick-up points
(2) Drop-out points (object approaching from the side)
(y) Sensing distance in mm