

XS4P30NA370L01B

inductive sensor XS4 M30 - L62mm - PPS -
Sn15mm - 12..48VDC - term. 0.15M



Main

Range of product	OsiSense XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS4
Sensor design	Cylindrical M30
Size	62 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 NO
Output circuit type	DC
Discrete output type	NPN
Electrical connection	Remote male connector screw-clamp terminals
Cable length	0.15 m
[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	IP68 double insulation 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
Cable composition	3 x 0.34 mm ²
Wire insulation material	PvR
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	62 mm

Environment

Product certifications	CSA UL CCC
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

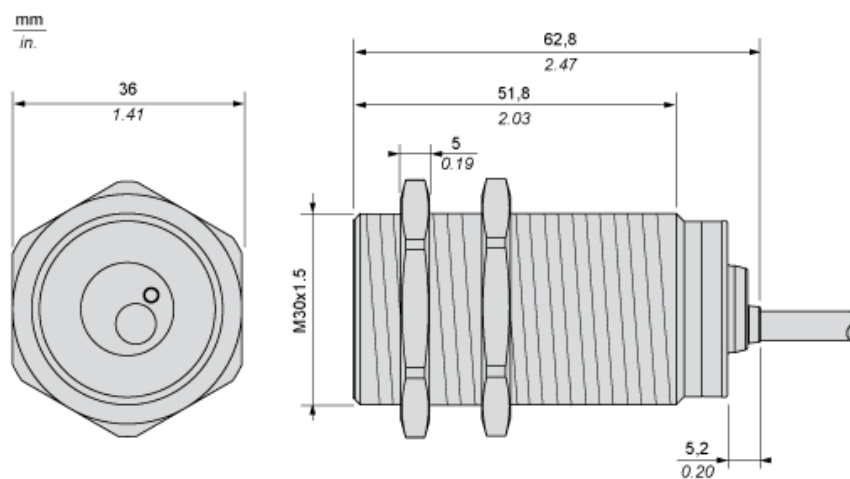
Packing Units

Package 1 Weight	0.124 kg
Package 1 Height	0.420 dm
Package 1 width	0.970 dm
Package 1 Length	1.320 dm

Contractual warranty

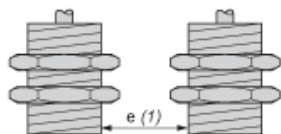
Warranty	18 months
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Dimensions



Minimum Mounting Distances

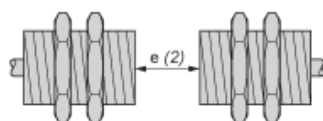
Side by side



e (1) 60 mm/2.36 in.

≥

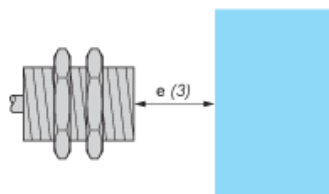
Face to face



e (2) 180 mm/7.09 in.

≥

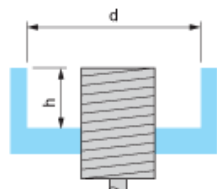
Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support



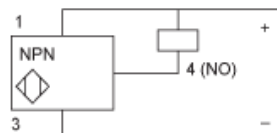
d ≥ 90 mm/3.54 in.

h ≥ 30 mm/1.18 in.

Wiring Schemes

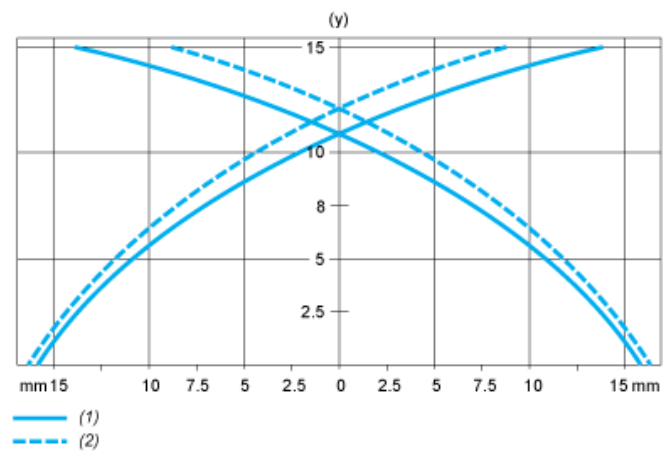
Screw Terminal

The terminal numbering differs according to the version (2-wire DC, 3-wire DC, 2-wire AC).



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