

# Product data sheet

Specifications



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

XS4P30NB370L01B

⚠ Discontinued

XS4P30NB370L01B has not been replaced. Please contact your customer care center for more information.

## Main

Range of product	Telemecanique Inductive proximity sensors 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 NC
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

<b>Operating zone</b>	0...12 mm
<b>Differential travel</b>	1...15% of Sr
<b>Cable composition</b>	3 x 0.34 mm <sup>2</sup>
<b>Wire insulation material</b>	PvR
<b>Status LED</b>	Output state: 1 LED (yellow)
<b>Supply voltage limits</b>	10...58 V DC
<b>Switching frequency</b>	<= 1000 Hz
<b>Maximum voltage drop</b>	<2 V (closed)
<b>Current consumption</b>	0...10 mA no-load
<b>Maximum delay first up</b>	10 ms
<b>Maximum delay response</b>	0.3 ms
<b>Maximum delay recovery</b>	0.7 ms
<b>Marking</b>	CE
<b>Threaded length</b>	52 mm
<b>Height</b>	30 mm
<b>Length</b>	62 mm

## Environment

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

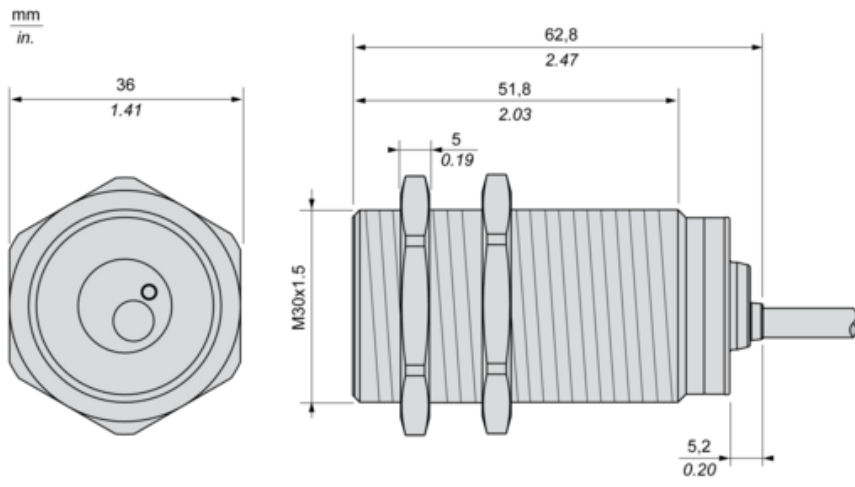
## Packing Units

<b>Package 1 Weight</b>	0.124 kg
<b>Package 1 Height</b>	0.420 dm
<b>Package 1 width</b>	0.970 dm
<b>Package 1 Length</b>	1.320 dm

## Contractual warranty

<b>Warranty</b>	18 months
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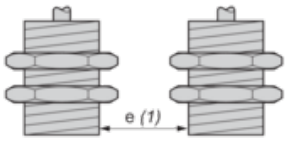
Dimensions



**Minimum Mounting Distances**

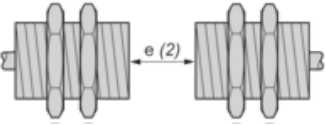
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Side by side



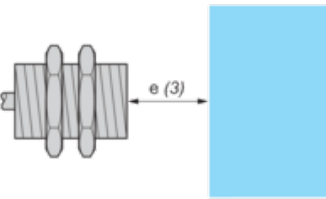
$e (1) \geq 60 \text{ mm}/2.36 \text{ in.}$

Face to face



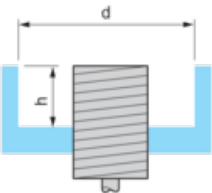
$e (2) \geq 180 \text{ mm}/7.09 \text{ in.}$

Facing a metal object



$e (3) \geq 45 \text{ mm}/1.77 \text{ in.}$

Mounted in a metal support



$d \geq 90 \text{ mm}/3.54 \text{ in.}$

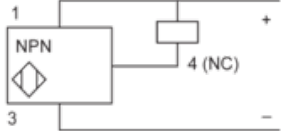
$h \geq 30 \text{ mm}/1.18 \text{ in.}$

**Wiring Schemes**

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**Screw Terminal**

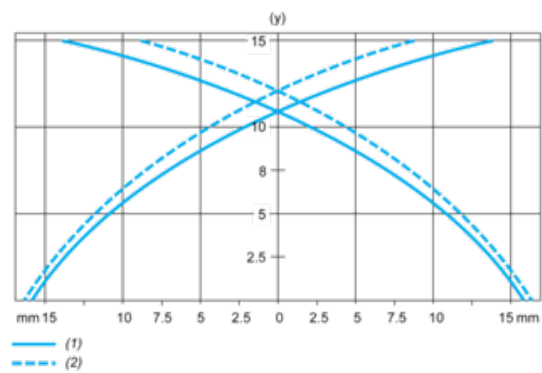
The terminal numbering differs according to the version (2-wire DC, 3-wire DC, 2-wire AC).



### Performance Curves

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Standard Steel Target : 45x45x1 mm



(1) Pick-up points

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

(y) Sensing distance in mm