

# XS4P30PB370L1

inductive sensor XS4 M30 - L62mm - PPS -  
Sn15mm - 12..48VDC - cable 5m



## 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 NC                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | PNP                                                     |
| Electrical connection              | Cable                                                   |
| Cable length                       | 5 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 <sup>2</sup>     |
| 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                        |
| Net weight               | 0.26 kg                      |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>CCC<br>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                            |

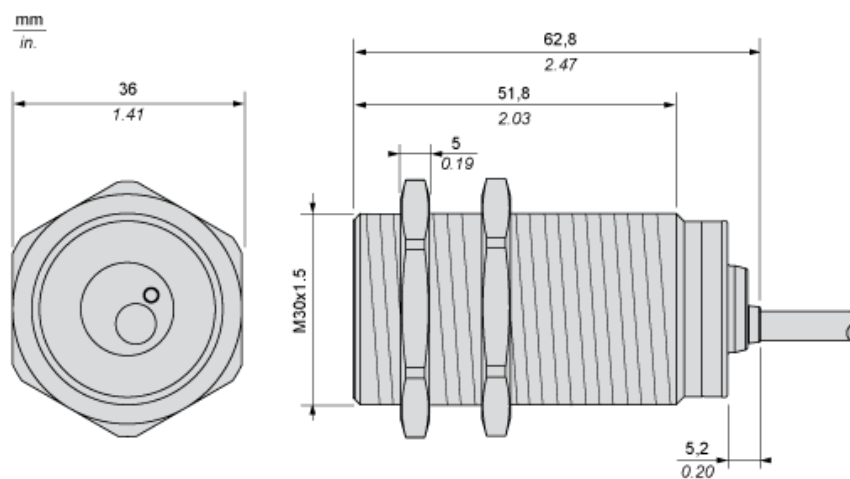
## Packing Units

|                  |           |
|------------------|-----------|
| Package 1 Weight | 272.000 g |
| Package 1 Height | 8.000 cm  |
| Package 1 width  | 8.200 cm  |
| Package 1 Length | 14.800 cm |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## 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

PNP



BU : Blue  
BN : Brown  
BK : Black

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Performance Curves

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Standard Steel Target : 45x45x1 mm

