

# XS4P30MA230L1

inductive sensor XS4 M30 - L62mm - PPS -  
Sn15mm - 24..240VAC/DC - 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                   | 2-wire                                         |
| [Sn] nominal sensing distance      | 15 mm                                          |
| Discrete output function           | 1 NO                                           |
| Output circuit type                | AC/DC                                          |
| Electrical connection              | Cable                                          |
| Cable length                       | 5 m                                            |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                      |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                 |
| 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        | 2 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 20...264 V AC/DC             |
| Maximum residual current | 0.6 mA open state            |
| Switching frequency      | <= 1000 Hz DC<br><= 25 Hz AC |
| Maximum voltage drop     | <5.5 V (closed)              |
| Maximum delay first up   | 40 ms                        |
| Maximum delay response   | 0.2 ms                       |
| Maximum delay recovery   | 0.4 ms                       |
| Marking                  | CE                           |
| Threaded length          | 52 mm                        |
| Height                   | 30 mm                        |
| Length                   | 62 mm                        |
| Net weight               | 0.26 kg                      |

## Environment

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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 190 g    |
| Package 1 Height             | 5.1 cm   |
| Package 1 width              | 11.4 cm  |
| Package 1 Length             | 12 cm    |
| Unit Type of Package 2       | BAG      |
| Number of Units in Package 2 | 1        |
| Package 2 Weight             | 214 g    |
| Package 2 Height             | 4.5 cm   |
| Package 2 width              | 25 cm    |
| Package 2 Length             | 20 cm    |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 12       |
| Package 3 Weight             | 2.536 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 30 cm    |
| Package 3 Length             | 40 cm    |

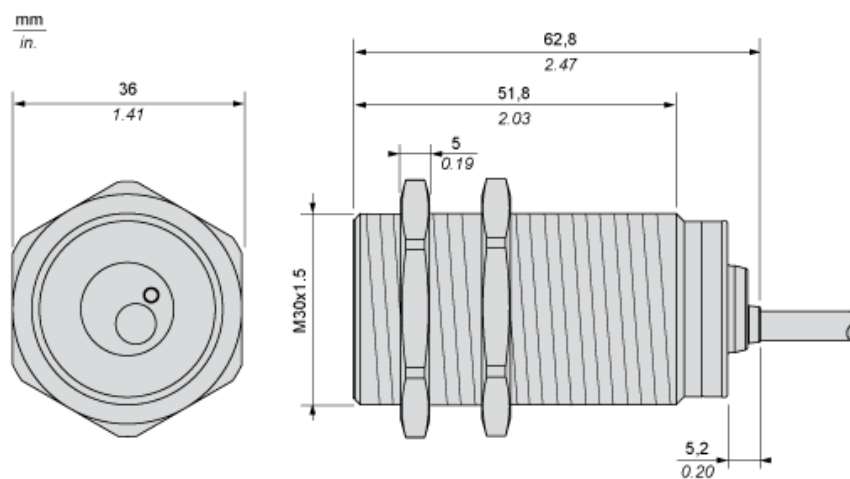
## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        |  <a href="#">End of Life Information</a>                                                          |

## Contractual warranty

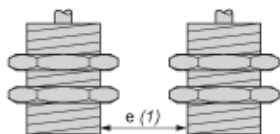
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



## Minimum Mounting Distances

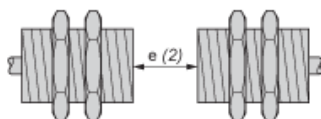
Side by side



$e(1)$  60 mm/2.36 in.

$\geq$

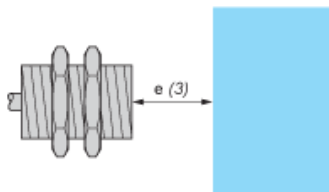
Face to face



$e(2)$  180 mm/7.09 in.

$\geq$

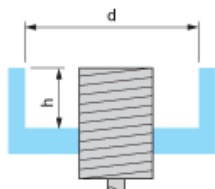
Facing a metal object



$e(3)$  45 mm/1.77 in.

$\geq$

Mounted in a metal support



$d \geq$  90 mm/3.54 in.

$h \geq$  30 mm/1.18 in.

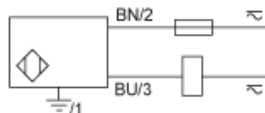
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## Wiring Schemes

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### 2-Wire AC or DC

NO output



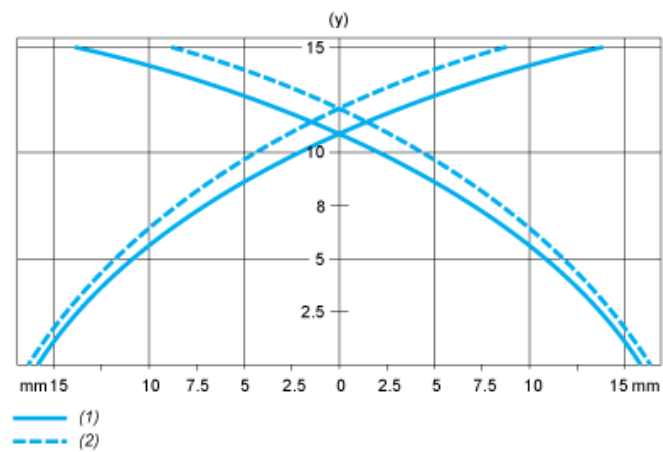
BU : Blue  
BN : Brown

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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