

# XS4P30NA370

inductive sensor XS4 M30 - L62mm - PPS -  
Sn15mm - 12..48VDC - cable 2m



Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | OsiSense XS                                             |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Device application                 | -                                                       |
| 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      | 0.59 in (15 mm)                                         |
| Discrete output function           | 1 NO                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | NPN                                                     |
| Electrical connection              | Cable                                                   |
| Cable length                       | 6.56 ft (2 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...0.47 in (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               | 1 LED (yellow) output state |
| Supply voltage limits    | 10...58 V DC                |
| Switching frequency      | <= 1000 Hz                  |
| Voltage drop             | <= 2 V (closed              |
| Current consumption      | 0...10 mA (no-load)         |
| Delay first up           | <= 10 ms                    |
| Delay response           | <= 0.3 ms                   |
| Delay recovery           | <= 0.7 ms                   |
| Marking                  | CE                          |
| Threaded length          | 2.05 in (52 mm)             |
| Height                   | 1.18 in (30 mm)             |
| Length                   | 2.44 in (62 mm)             |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CCC<br>UL<br>CSA<br>Ecolab                                              |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                              |
| Ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                              |
| Vibration resistance                  | 25 gn, amplitude: +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 00785901874058             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.35999999999999999        |
| Returnability         | N                          |
| Country of origin     | FR                         |

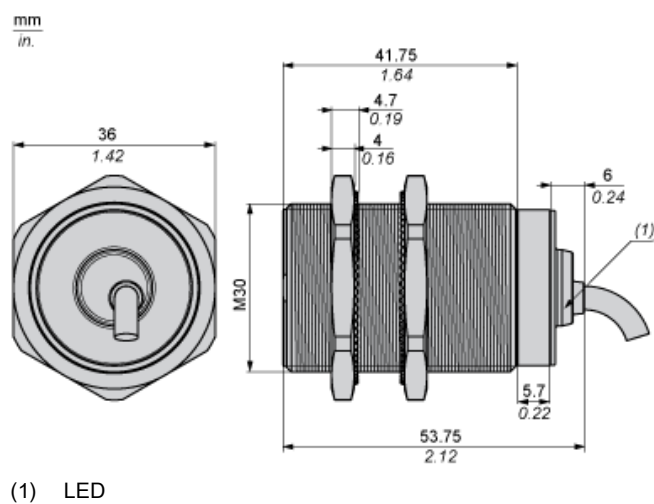
## Offer Sustainability

|                                  |                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                  |
| RoHS (date code: YYWW)           | Compliant - since 0821 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                                                                                                                                                      |
| Product environmental profile    | Available                                                                                                                                                                                              |
| Product end of life instructions | Available                                                                                                                                                                                              |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                                                                                           |
| ----- Substance 1                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                                                                                            |
| ----- Substance 2                | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.                                                                             |
| ----- More information           | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                                                                                          |

## Contractual warranty

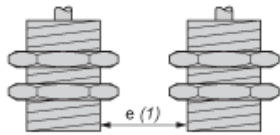
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions



### Minimum Mounting Distances

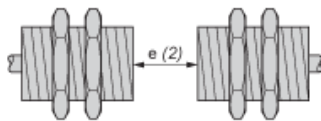
Side by side



e (1) 60 mm/2.36 in.

≥

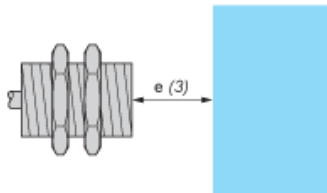
Face to face



e (2) 180 mm/7.09 in.

≥

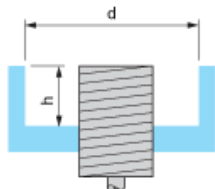
Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support

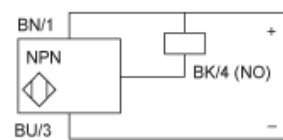


d ≥ 90 mm/3.54 in.

h ≥ 30 mm/1.18 in.

## Wiring Schemes

NPN



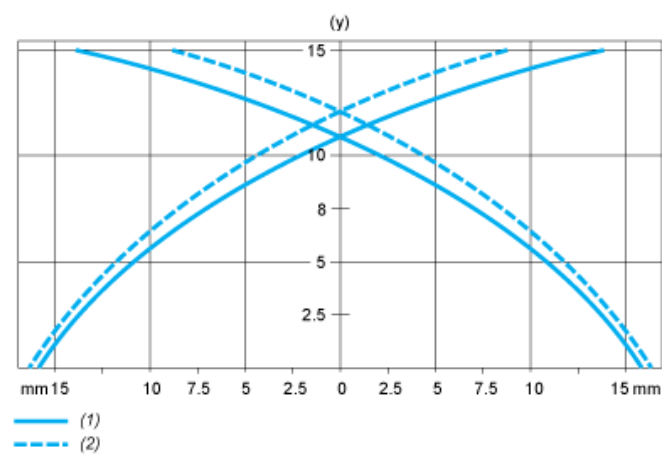
BU : Blue  
BN : Brown  
BK : Black

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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

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