

# XS230BLNAM12

inductive sensor XS2 M30 - L68mm - brass -  
Sn15mm - 12..24VDC - M12



## Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | OsiSense XS                                          |
| Series name                   | General purpose                                      |
| Sensor type                   | Inductive proximity sensor                           |
| Sensor name                   | XS2                                                  |
| Sensor design                 | Cylindrical M30                                      |
| Size                          | 68 mm                                                |
| Body type                     | Fixed                                                |
| Enclosure material            | Nickel plated brass                                  |
| Type of output signal         | Discrete                                             |
| Wiring technique              | 3-wire                                               |
| [Sn] nominal sensing distance | 15 mm                                                |
| Discrete output function      | 1 NO                                                 |
| Discrete output type          | NPN                                                  |
| Electrical connection         | Male connector M12, 4 pins                           |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection        |
| Switching capacity in mA      | <= 200 mA with overload and short-circuit protection |
| IP degree of protection       | IP67 conforming to IEC 60529                         |

## Complementary

|                                    |                              |
|------------------------------------|------------------------------|
| ISO thread                         | M30 x 1.5                    |
| Detection face                     | Frontal                      |
| Detector flush mounting acceptance | Non flush mountable          |
| Material                           | Metal                        |
| Front material                     | PBT                          |
| Operating zone                     | 0...12 mm                    |
| Differential travel                | 1...15% of Sr                |
| Output circuit type                | DC                           |
| Status LED                         | Output state: 1 LED (yellow) |
| Supply voltage limits              | 10...36 V DC                 |
| Switching frequency                | <= 300 Hz                    |
| Maximum voltage drop               | <2 V (closed)                |
| Current consumption                | <= 10 mA no-load             |
| Maximum delay first up             | 15 ms                        |
| Maximum delay response             | 0.2 ms                       |
| Maximum delay recovery             | 1.4 ms                       |
| Marking                            | CE                           |
| Threaded length                    | 34 mm                        |
| Height                             | 30 mm                        |
| Length                             | 68 mm                        |
| Net weight                         | 0.085 kg                     |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| 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 | 0.128 kg |
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.650 dm |
| Package 1 Length | 0.960 dm |

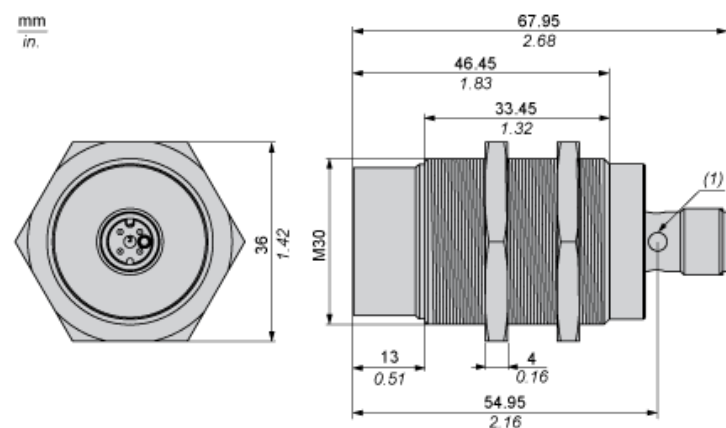
## Offer Sustainability

|                          |                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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> |
| Environmental Disclosure | <a href="#"> Product Environmental Profile</a>                                                    |
| Circularity Profile      | <a href="#"> End of Life Information</a>                                                          |

## Contractual warranty

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

## Dimensions



(1) LED

### Minimum Mounting Distances

Side by side



e (1) 60 mm/2.36 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

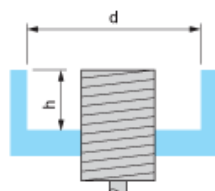
Facing a metal object



e (3) 45 mm/1.77 in.

≥

Mounted in a metal support

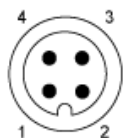


d ≥ 90 mm/3.54 in.

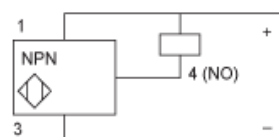
h ≥ 30 mm/1.18 in.

## Wiring Schemes

M12 connector



NPN



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output

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Performance Curves

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Standard Steel Target : 45x45x1 mm

