

# XS630B4NBL5

inductive sensor XS6 M30 - L66mm - brass -  
Sn22mm - 12..48VDC - cable 5m



## Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor  |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 66 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 22 mm   |
| Discrete output function           | 1 NC  |
| Output circuit type                | DC  |
| Discrete output type               | NPN   |
| 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<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M30 x 1.5                    |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | Nickel plated brass          |
| Sensing range            | > 15...40 mm                 |
| Operating zone           | 0...17.6 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      | <= 500 Hz DC                 |
| Maximum voltage drop     | <2 V (closed)                |
| Current consumption      | <= 10 mA no-load             |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.6 ms                       |
| Maximum delay recovery   | 1.4 ms                       |
| Marking                  | CE                           |
| Threaded length          | 41 mm                        |
| Length                   | 66 mm                        |
| Net weight               | 0.325 kg                     |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | E2<br>CSA<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                            |

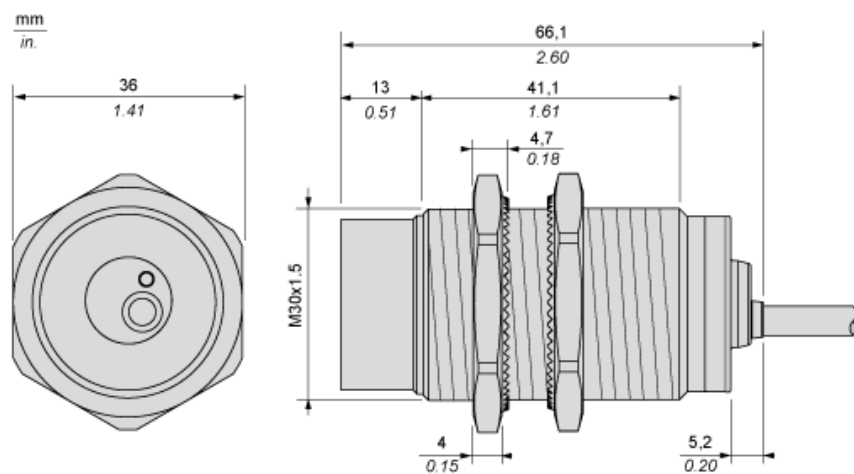
## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.222 kg |
| Package 1 Height | 0.030 dm |
| Package 1 width  | 0.030 dm |
| Package 1 Length | 0.630 dm |

## Contractual warranty

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

Dimensions



## Minimum Mounting Distances in mm

Side by side



e (1) 120 mm/4.72 in.

≥

Face to face



e (2) 264 mm/10.39 in.

≥

Facing a metal object



e (3) 66 mm/2.60 in.

≥

(4) Metal

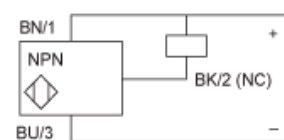
(5) Object to be detected

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## Wiring Schemes

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NPN



BU : Blue  
BN : Brown  
BK : Black