

# XS630B1PBL10

inductive sensor XS6 M30 - L62mm - brass -  
Sn15mm - 12..48VDC - cable 10m



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| Device application                 | Mobile equipment                                                                |
| Sensor name                        | XS6                                                                             |
| Sensor design                      | Cylindrical M30                                                                 |
| Size                               | 62 mm                                                                           |
| Body type                          | Fixed                                                                           |
| Detector flush mounting acceptance | Flush mountable                                                                 |
| Material                           | Metal                                                                           |
| 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                       | 10 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          |
| 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      | <= 500 Hz                    |
| 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          | 52 mm                        |
| Length                   | 62 mm                        |
| Net weight               | 0.525 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                            |

## 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)<br> <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 |
|----------|-----------|