

# XS630B1PBL2

inductive sensor XS6 M30 - L62mm - brass -  
Sn15mm - 12..48VDC - cable 2m



## 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      | 0.59 in (15 mm)                                     |
| Discrete output function           | 1 NC                                                |
| Output circuit type                | DC                                                  |
| Discrete output type               | PNP                                                 |
| Electrical connection              | Cable                                               |
| Cable length                       | 6.56 ft (2 m)                                       |
| [Us] rated supply voltage          | 12...48 V DC reverse polarity protection            |
| Switching capacity in mA           | <= 200 mA DC overload and short-circuit protection  |
| IP degree of protection            | IP68 double insulation IEC 60529<br>IP69K DIN 40050 |

## Complementary

|                          |                                |
|--------------------------|--------------------------------|
| Thread type              | M30 x 1.5                      |
| Detection face           | Frontal                        |
| Front material           | PPS                            |
| Enclosure material       | Nickel Plated Brass            |
| Sensing range            | > 0.31...0.59 in (> 8...15 mm) |
| Operating zone           | 0.00...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               | 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          | 2.05 in (52 mm)                |

|            |                       |
|------------|-----------------------|
| Length     | 2.44 in (62 mm)       |
| Net Weight | 0.46 lb(US) (0.21 kg) |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | E2<br>UL<br>CSA                         |
| 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 +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance                      | 50 gn 11 ms IEC 60068-2-27              |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 00785901521204             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.47 lb(US) (0.21 kg)      |
| Returnability         | Yes                        |
| Country of origin     | ID                         |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.970 dm |
| Package 1 Length | 1.320 dm |

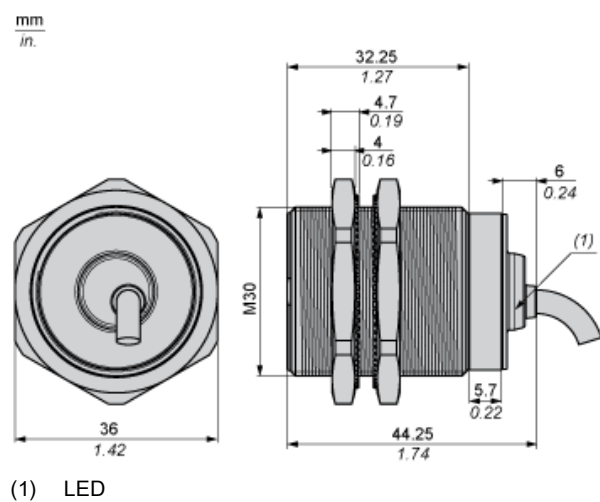
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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) 30 mm/1.18 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 45 mm/1.77 in.

≥

## Wiring Schemes

PNP



BU : Blue  
BN : Brown  
BK : Black