

# XS630B2PAL01M12

inductive sensor XS6 M30 - L63mm - brass -  
Sn18mm - 12..24VDC - M12 0.15m



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | Application                                                                     |
| Sensor type                        | Inductive proximity sensor                                                      |
| Type of sensing window             | Adjustable                                                                      |
| Sensor name                        | XS6                                                                             |
| Sensor design                      | Cylindrical M30                                                                 |
| Size                               | 63 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      | 0.43 in (11 mm) flush mountable<br>0.71 in (18 mm) non flush mountable          |
| Discrete output function           | 1 NO                                                                            |
| Output circuit type                | DC                                                                              |
| Discrete output type               | PNP                                                                             |
| Electrical connection              | Remote male connector M12, 4 pins                                               |
| Cable length                       | 0.49 ft (0.15 m)                                                                |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection                                   |
| Switching capacity in mA           | <= 100 mA DC overload and short-circuit protection                              |
| IP degree of protection            | IP67 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            | > 0.59...1.57 in (> 15...40 mm)                                                              |
| Fine adjustment zone     | 0.24...0.43 in (6...11 mm) flush mountable<br>0.24...0.71 in (6...18 mm) non flush mountable |
| Differential travel      | 1...15% of Sr                                                                                |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>                                                                     |
| Wire insulation material | PvR                                                                                          |
| Status LED               | Supply on and teach mode 1 LED green)<br>Output state: 1 LED (yellow)                        |
| Supply voltage limits    | 10...36 V DC                                                                                 |
| Switching frequency      | <= 1000 Hz                                                                                   |
| Maximum voltage drop     | <2 V (closed)                                                                                |
| Current consumption      | <= 10 mA no-load                                                                             |
| Maximum delay first up   | 10 ms                                                                                        |
| Maximum delay response   | 0.3 ms                                                                                       |
| Maximum delay recovery   | 0.7 ms                                                                                       |
| Marking                  | CE                                                                                           |

|                 |                       |
|-----------------|-----------------------|
| Threaded length | 1.61 in (41 mm)       |
| Length          | 2.48 in (63 mm)       |
| Net Weight      | 0.49 lb(US) (0.22 kg) |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA<br>UL                                                               |
| 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 for 11 ms conforming to IEC 60068-2-27                            |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22486 - SENSORS, PROXIMITY |
| Discount Schedule     | DS2                        |
| GTIN                  | 00785901455684             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.4 lb(US) (0.18 kg)       |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.42 in (3.6 cm)       |
| Package 1 width              | 3.54 in (9 cm)         |
| Package 1 Length             | 5.91 in (15 cm)        |
| Unit Type of Package 2       | BAG                    |
| Number of Units in Package 2 | 1                      |
| Package 2 Weight             | 6.24 oz (177 g)        |
| Package 2 Height             | 1.18 in (3 cm)         |
| Package 2 width              | 7.87 in (20 cm)        |
| Package 2 Length             | 5.91 in (15 cm)        |
| Unit Type of Package 3       | S02                    |
| Number of Units in Package 3 | 22                     |
| Package 3 Weight             | 8.52 lb(US) (3.864 kg) |
| Package 3 Height             | 5.91 in (15 cm)        |
| Package 3 width              | 11.81 in (30 cm)       |
| Package 3 Length             | 15.75 in (40 cm)       |

## 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 |
|----------|-----------|

[illegible]

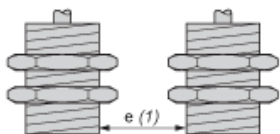
(1) LED

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Minimum Mounting Distances in mm

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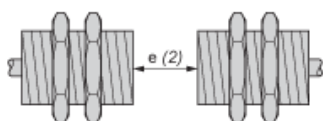
Side by side



e (1) 48 mm/1.89 in.

≥

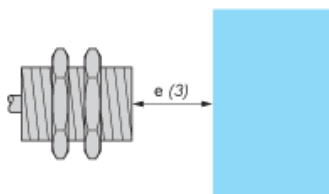
Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object

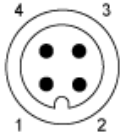


e (3) 11 mm/0.43 in.

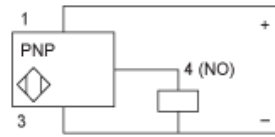
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## Wiring Schemes

M12 connector



PNP



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