

# XS618B1PAL01C

inductive sensor XS6 M18 - L62mm - brass -  
Sn8mm - 12..48VDC - DIN 0.15m



## 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 M18                                     |
| 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      | 0.31 in (8 mm)                                      |
| Discrete output function           | 1 NO                                                |
| Output circuit type                | DC                                                  |
| Discrete output type               | PNP                                                 |
| Electrical connection              | Remote male connector DIN 43650A                    |
| Cable length                       | 0.49 ft (0.15 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              | M18 x 1                       |
| Detection face           | Frontal                       |
| Front material           | PPS                           |
| Enclosure material       | Nickel plated brass           |
| Sensing range            | > 0.16...0.31 in (> 4...8 mm) |
| Operating zone           | 0.00...0.25 in (0...6.4 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      | <= 1000 Hz DC                 |
| 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          | 2.05 in (52 mm)               |

|            |                       |
|------------|-----------------------|
| Length     | 2.44 in (62 mm)       |
| Net Weight | 0.33 lb(US) (0.15 kg) |

## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | E2                                      |
| 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                  | 03389119026888             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.23 lb(US) (0.10 kg)      |
| Returnability         | No                         |
| Country of origin     | FR                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.46 in (3.7 cm)       |
| Package 1 width              | 3.50 in (8.9 cm)       |
| Package 1 Length             | 4.92 in (12.5 cm)      |
| Unit Type of Package 2       | BAG                    |
| Number of Units in Package 2 | 1                      |
| Package 2 Weight             | 3.70 oz (105 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             | 4.83 lb(US) (2.192 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)       |

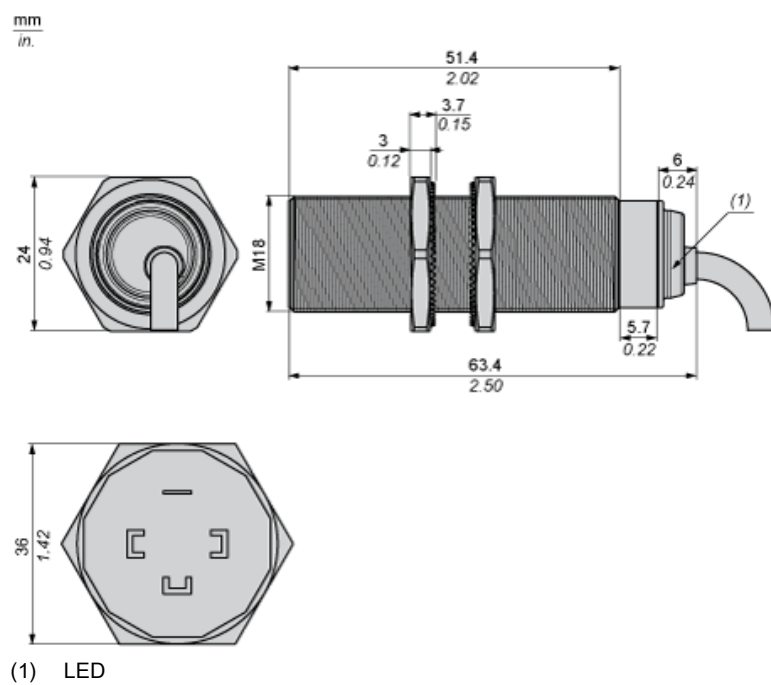
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| 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

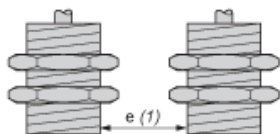


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Minimum Mounting Distances

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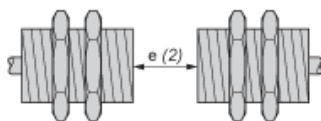
Side by side



e (1) 16 mm/0.63 in.

≥

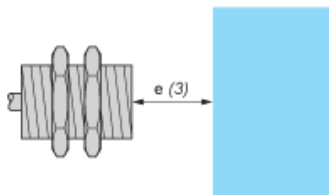
Face to face



e (2) 100 mm/3.94 in.

≥

Facing a metal object

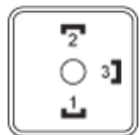


e (3) 25 mm/0.98 in

≥

## Wiring Schemes

EN 175301-803-A



PNP

