

# XS618B1PBM12

inductive sensor XS6 M18 - L74mm - brass -  
Sn8mm - 12..48VDC - M12



## 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                               | 74 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 NC                                               |
| Output circuit type                | DC                                                 |
| Discrete output type               | PNP                                                |
| Electrical connection              | Male connector M12, 4 pins                         |
| [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            | IP67 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                 |
| Status LED             | Output state 1 LED yellow)    |
| Supply voltage limits  | 10...58 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        | 2.05 in (52 mm)               |
| Length                 | 2.91 in (74 mm)               |
| Net Weight             | 0.09 lb(US) (0.04 kg)         |

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## Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Product certifications                | UL<br>CSA<br>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                  | 00785901872238             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.17 lb(US) (0.08 kg)      |
| Returnability         | Yes                        |
| Country of origin     | ID                         |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.420 dm |
| Package 1 width  | 0.960 dm |
| Package 1 Length | 0.670 dm |

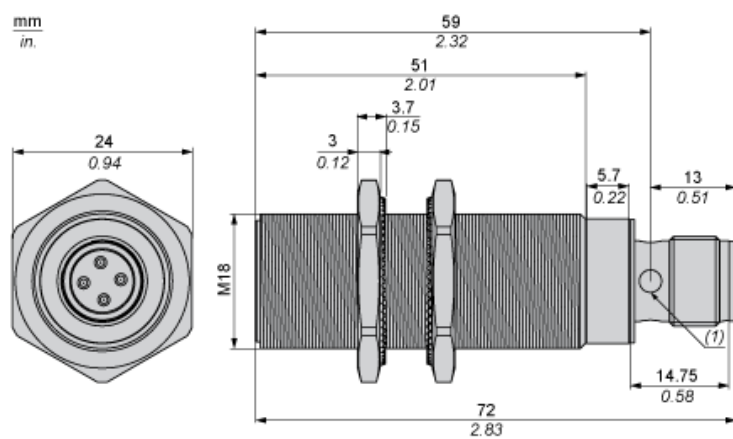
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| 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



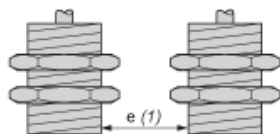
(1) LED

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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

M12 connector



PNP

