

# XS618B1MBL01G

inductive sensor XS6 M18 - L62mm - brass -  
Sn8mm - 24..240VAC/DC - M18 0.15m



Product Life Status : **END OF STANDARD SERVICE**

TODAY  
FEB 21, 2021

End of Commercialization  
NOV 03, 2020

End of Standard Service  
JAN 29, 2021



## Main

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Range of product                   | OsiSense XS                                                                     |
| Series name                        | General purpose                                                                 |
| Sensor type                        | Inductive proximity sensor                                                      |
| 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                   | 2-wire                                                                          |
| [Sn] nominal sensing distance      | 8 mm                                                                            |
| Discrete output function           | 1 NC                                                                            |
| Output circuit type                | AC/DC                                                                           |
| Electrical connection              | Remote male connector M18, 4 pins                                               |
| Cable length                       | 0.15 m                                                                          |
| [Us] rated supply voltage          | 24...240 V AC/DC 50/60 Hz                                                       |
| Switching capacity in mA           | 5...200 mA DC<br>5...300 mA AC                                                  |
| IP degree of protection            | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

Product Life Status : **END OF STANDARD SERVICE**

FEB 21, 2021

End of Commercialization  
NOV 03, 2020

End of Standard Service  
JAN 29, 2021

## Complementary

|                     |                          |
|---------------------|--------------------------|
| Thread type         | M18 x 1                  |
| Detection face      | Frontal                  |
| Front material      | PPS                      |
| Enclosure material  | Nickel plated brass      |
| Sensing range       | > 4...8 mm               |
| Operating zone      | 0...6.4 mm               |
| Differential travel | 1...15% of Sr            |
| Cable composition   | 2 x 0.34 mm <sup>2</sup> |

|                          |                              |
|--------------------------|------------------------------|
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 20...264 V AC/DC             |
| Maximum residual current | 0.8 mA open state            |
| Switching frequency      | <= 1000 Hz DC<br><= 25 Hz AC |
| Maximum voltage drop     | <5.5 V                       |
| Maximum delay first up   | 25 ms                        |
| Maximum delay response   | 0.5 ms                       |
| Maximum delay recovery   | 0.5 ms                       |
| Marking                  | CE                           |
| Threaded length          | 52 mm                        |
| Length                   | 62 mm                        |
| Net weight               | 0.12 kg                      |

## Environment

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

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 110 g   |
| Package 1 Height             | 4.2 cm  |
| Package 1 width              | 9.7 cm  |
| Package 1 Length             | 13.2 cm |

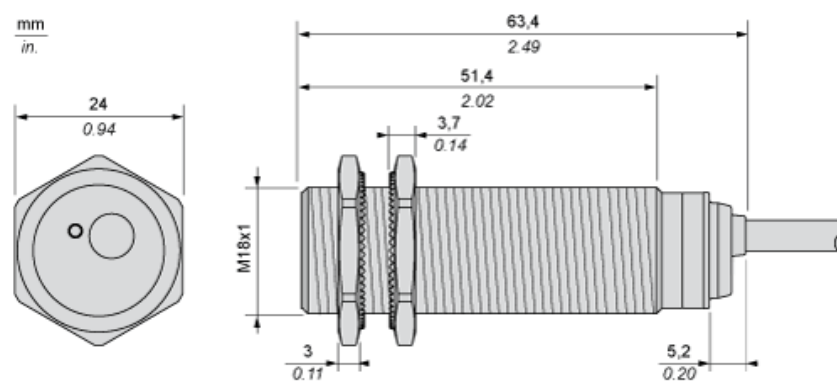
## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| 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) <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) 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

---

### M18



### 2-Wire AC or DC

NC output

