

# Product data sheet

## Characteristics

# XS618B1MAU20

inductive sensor XS6 M18 - L73mm - brass -  
Sn8mm - 24..240VAC/DC - 1/2"

Product availability : Stock - Normally stocked in distribution facility



Price\* : 98.24 USD



## Main

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Range of product                   | OsiSense XS                       |
| Series name                        | General purpose                   |
| Sensor type                        | Inductive proximity sensor        |
| Sensor name                        | XS6                               |
| Sensor design                      | Cylindrical M18                   |
| Size                               | 73 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      | 0.31 in (8 mm)                    |
| Discrete output function           | 1 NO                              |
| Output circuit type                | AC/DC                             |
| Electrical connection              | Male connector 1/2"20 UNF, 3 pins |
| [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            | IP67 IEC 60529<br>IP69K DIN 40050 |

## Complementary

|                |         |
|----------------|---------|
| Thread type    | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS     |

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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|                          |                               |
|--------------------------|-------------------------------|
| 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    | 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 closed)                |
| Maximum delay first up   | 25 ms                         |
| Maximum delay response   | 0.5 ms                        |
| Maximum delay recovery   | 0.5 ms                        |
| Marking                  | CE                            |
| Threaded length          | 2.05 in (52 mm)               |
| Length                   | 2.87 in (73 mm)               |

## 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 +/- 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                  | 00785901505334             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 0.16 lb(US) (0.07 kg)      |
| Returnability         | Yes                        |
| Country of origin     | ID                         |

## Packing Units

|                  |                     |
|------------------|---------------------|
| Package 1 Height | 2.56 in (65.000 mm) |
| Package 1 width  | 1.57 in (40.000 mm) |
| Package 1 Length | 3.74 in (95.000 mm) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><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 |
|----------|-----------|

$$\frac{\text{mm}}{\text{in.}}$$


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Minimum Mounting Distances

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Side by side



$e (1) \geq 16 \text{ mm}/0.63 \text{ in.}$

Face to face



$e (2) \geq 100 \text{ mm}/3.94 \text{ in.}$

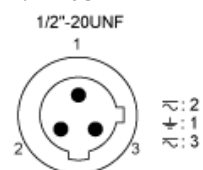
Facing a metal object



$e (3) \geq 25 \text{ mm}/0.98 \text{ in}$

## Wiring Schemes

1/2"-20UNF



1 : Grounding

2 : AC

3 : AC

NO output

