

# Product data sheet

## Characteristics

# XS618B1MAL2

inductive sensor, XS6, cylindrical, M18, Sensing 8 mm, 2 meter cable



Product availability: Stock - Normally stocked in distribution facility

Price\*: 85.96 USD



### Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | Telemecanique Inductive proximity sensors 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      | 0.31 In (8 mm)  |
| Discrete output function           | 1 NO  |
| Output circuit type                | AC/DC   |
| Electrical connection              | Cable   |
| Cable length                       | 6.56 Ft (2 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 |

### 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        | 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 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                   | 2.44 In (62 mm)              |
| Net weight               | 0.26 Lb(US) (0.12 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 +/- 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                  | 03389110147285             |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 4.30 Oz (122 g)            |
| Returnability         | Yes                        |
| Country of origin     | ID                         |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 1.65 In (4.2 cm)  |
| Package 1 width        | 3.82 In (9.7 cm)  |
| Package 1 Length       | 5.20 In (13.2 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

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|          |           |
|----------|-----------|
| Warranty | 18 months |
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Dimensions



(1) LED

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Minimum Mounting Distances

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Side by side



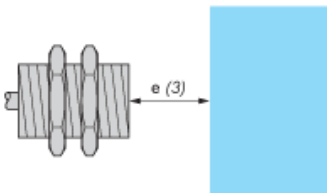
$e (1) \geq 6 \text{ mm}/0.63 \text{ in.}$

Face to face



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

Facing a metal object

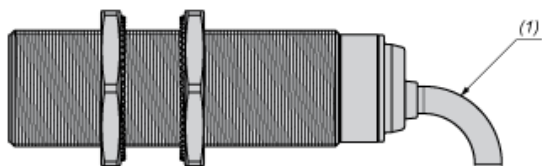


$e (3) \geq 25 \text{ mm}/0.98 \text{ in.}$

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Mounting

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(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

NO output



BU : Blue  
BN : Brown

Product Life Status : Commercialised