

# XS630B2PAL01M12

Inductive proximity sensors XS, inductive sensor XS6 M30, L63mm, brass, Sn18mm, 12...24 VDC, M12 0.15 m



## Main

|                                    |   |
|------------------------------------|---|
| Range of Product                   | Telemecanique Inductive proximity sensors XS                                    |
| Series name                        | Application   |
| Sensor Type                        | Inductive proximity sensor  |
| Type of sensing window             | Adjustable  |
| Sensor name                        | XS6   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 63 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable   |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring Technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 0.43 in (11 mm) flush mountable<br>0.71 in (18 mm) non flush mountable          |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | PNP   |
| Electrical connection              | Remote male connector M12, 4 pins   |
| Cable length                       | 0.49 ft (0.15 m)  |
| [Us] rated supply voltage          | 12...24 V DC reverse polarity protection  |
| Switching capacity in mA           | <= 100 mA DC overload and short-circuit protection                              |
| IP degree of protection            | IP67 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

|                          |  |
|--------------------------|--|
| Thread type              | M30 x 1.5  |
| Detection face           | Frontal  |
| Front material           | PPS  |
| Enclosure Material       | Nickel Plated Brass  |
| Sensing range            | > 0.59...1.57 in (> 15...40 mm)  |
| Fine adjustment zone     | 0.24...0.43 in (6...11 mm) flush mountable<br>0.24...0.71 in (6...18 mm) non flush mountable |
| Differential travel      | 1...15% of Sr  |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>   |
| Wire insulation material | PvR  |
| Status LED               | Supply on and teach mode 1 LED green)<br>Output state 1 LED yellow)                          |
| Supply voltage limits    | 10...36 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 | 1.61 in (41 mm)       |
| Length          | 2.48 in (63 mm)       |
| Net Weight      | 0.49 lb(US) (0.22 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                  | 3389110148060              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 5.78 oz (164 g)            |
| Returnability         | Yes                        |
| Country of origin     | FR                         |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Package 1 Height             | 1.42 in (3.6 cm)      |
| Package 1 width              | 3.54 in (9 cm)        |
| Package 1 Length             | 5.91 in (15 cm)       |
| Unit Type of Package 2       | S02                   |
| Number of Units in Package 2 | 22                    |
| Package 2 Weight             | 9.39 lb(US) (4.26 kg) |
| Package 2 Height             | 5.91 in (15 cm)       |
| Package 2 width              | 11.81 in (30 cm)      |
| Package 2 Length             | 15.75 in (40 cm)      |
| Package 3 Height             | 5.91 in (15 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

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



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Minimum Mounting Distances in mm

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Side by side



e (1) 48 mm/1.89 in.

≥

Face to face



e (2) 180 mm/7.09 in.

≥

Facing a metal object



e (3) 11 mm/0.43 in.

≥

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Wiring Schemes

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M12 connector



PNP



- 1 : (+)
- 2 : Not connected
- 3 : (-)
- 4 : NO Output