

# Product datasheet

Specifications



## inductive sensor XS4 M30 - L70mm - PPS - Sn15mm - 12..48VDC - M12

XS4P30PA370D

XS4P30PA370D has not been replaced. Please contact your customer care centre for more information.

⚠ Discontinued

### Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | Telemecanique Inductive proximity sensors XS            |
| Series name                        | General purpose   |
| Sensor type                        | Inductive proximity sensor                              |
| Sensor name                        | XS4   |
| Sensor design                      | Cylindrical M30   |
| Size                               | 70 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Non flush mountable                                     |
| Material                           | Plastic   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 15 mm   |
| Discrete output function           | 1 NO  |
| Output circuit type                | DC  |
| Discrete output type               | PNP   |
| Electrical connection              | Male connector M12, 4 pins                              |
| [Us] rated supply voltage          | 12...48 V DC with reverse polarity protection           |
| Switching capacity in mA           | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection            | IP67 conforming to IEC 60529                            |

### Complementary

|                     |               |
|---------------------|---------------|
| Thread type         | M30 x 1.5     |
| Detection face      | Frontal       |
| Front material      | PPS           |
| Enclosure material  | PPS           |
| Operating zone      | 0...12 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    | 0...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        | 52 mm                        |
| Height                 | 30 mm                        |
| Length                 | 70 mm                        |
| Net weight             | 0.08 kg                      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>CCC<br>UL  |
| 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

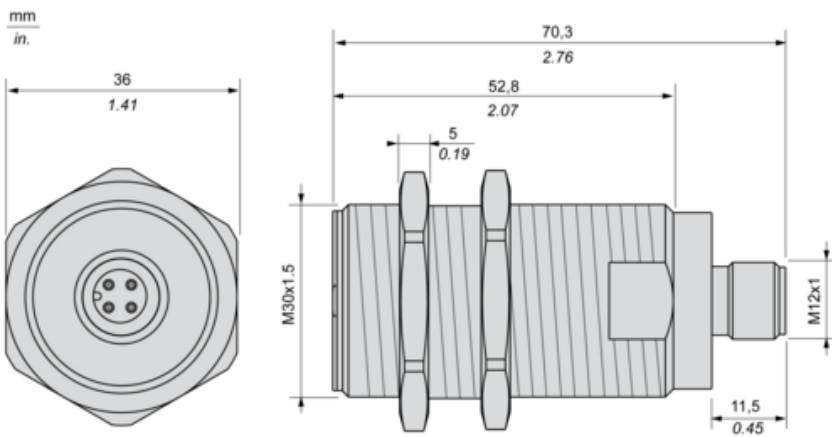
|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 76.0 g   |
| Package 1 Height             | 3.3 cm   |
| Package 1 width              | 8.4 cm   |
| Package 1 Length             | 10.2 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 44       |
| Package 2 Weight             | 3.663 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 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)<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                                     |

Dimensions



Minimum Mounting Distances

Side by side



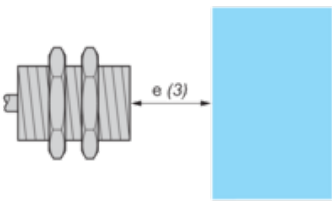
$e\ (1) \geq 60\text{ mm}/2.36\text{ in.}$

Face to face



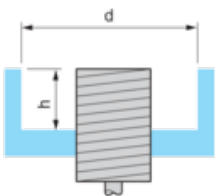
$e\ (2) \geq 180\text{ mm}/7.09\text{ in.}$

Facing a metal object



$e\ (3) \geq 45\text{ mm}/1.77\text{ in.}$

Mounted in a metal support



$d \geq 90\text{ mm}/3.54\text{ in.}$

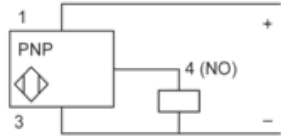
$h \geq 30\text{ mm}/1.18\text{ in.}$

Wiring Schemes

M12 connector



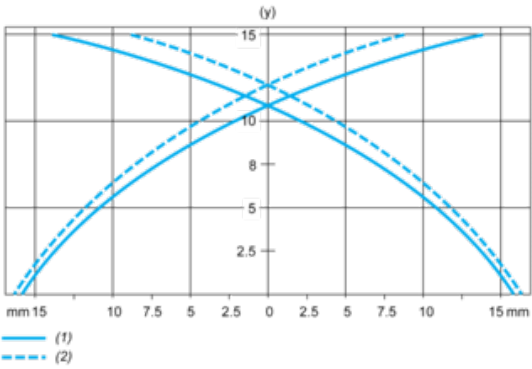
PNP



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

Performance Curves

Standard Steel Target : 45x45x1 mm



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm