

# XS4P12PA370L2

Inductive proximity sensors XS, inductive sensor XS4 M12, L50mm, PPS, Sn4mm, 12...48 VDC, cable 10 m



## Main

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Range of product                   | Telemecanique Inductive proximity sensors XS            |
| Series name                        | General purpose                                         |
| Sensor type                        | Inductive proximity sensor                              |
| Sensor name                        | XS4                                                     |
| Sensor design                      | Cylindrical M12                                         |
| Size                               | 52 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      | 4 mm                                                    |
| Discrete output function           | 1 NO                                                    |
| Output circuit type                | DC                                                      |
| Discrete output type               | PNP                                                     |
| Electrical connection              | Cable                                                   |
| Cable length                       | 10 m                                                    |
| [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            | IP68 double insulation conforming to IEC 60529          |

## Complementary

|                          |                              |
|--------------------------|------------------------------|
| Thread type              | M12 x 1                      |
| Detection face           | Frontal                      |
| Front material           | PPS                          |
| Enclosure material       | PPS                          |
| Operating zone           | 0...3.2 mm                   |
| Differential travel      | 1...15% of Sr                |
| Cable composition        | 3 x 0.34 mm <sup>2</sup>     |
| Wire insulation material | PvR                          |
| Status LED               | Output state: 1 LED (yellow) |
| Supply voltage limits    | 10...58 V DC                 |
| Switching frequency      | <= 5000 Hz                   |
| Maximum voltage drop     | <2 V (closed)                |
| Current consumption      | 0...10 mA no-load            |
| Maximum delay first up   | 10 ms                        |
| Maximum delay response   | 0.1 ms                       |
| Maximum delay recovery   | 0.1 ms                       |
| Marking                  | CE                           |
| Threaded length          | 42 mm                        |
| Height                   | 12 mm                        |
| Length                   | 52 mm                        |
| Net weight               | 0.305 kg                     |

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Product certifications                | CSA[RETURN]UL[RETURN]CCC                                                |
| 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 Height             | 9.5 cm  |
| Package 1 Width              | 6.7 cm  |
| Package 1 Length             | 13.2 cm |
| Package 1 Weight             | 300 g   |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| Circularity Profile                        |  <a href="#">End of Life Information</a>                                                                                                                                                                                                                                                         |
| 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> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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