

## XS1M12KP340L2

inductive sensor XS1 M12 - L50mm - brass - Sn2mm  
- 12..24VDC - cable 10m



### Main

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Range of product                   | OsiSense XS                                          |
| Series name                        | General purpose                                      |
| Sensor type                        | Inductive proximity sensor                           |
| Device application                 | -                                                    |
| Sensor name                        | XS1                                                  |
| Sensor design                      | Cylindrical M12                                      |
| Size                               | 50 mm                                                |
| Body type                          | Fixed                                                |
| Detector flush mounting acceptance | Flush mountable                                      |
| Material                           | Metal                                                |
| Type of output signal              | Discrete                                             |
| Wiring technique                   | 4-wire                                               |
| [Sn] nominal sensing distance      | 2 mm                                                 |
| Discrete output function           | 1 NO or 1 NC programmable                            |
| Output circuit type                | DC                                                   |
| Discrete output type               | PNP and NPN                                          |
| Electrical connection              | Cable                                                |
| Cable length                       | 10 m                                                 |
| [Us] rated supply voltage          | 12...24 V DC with reverse polarity protection        |
| Switching capacity in mA           | <= 200 mA 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       | Nickel plated brass           |
| Operating zone           | 0...1.6 mm                    |
| Differential travel      | 1...15% of Sr                 |
| Cable composition        | 4 x 0.22 mm <sup>2</sup>      |
| Wire insulation material | PvR                           |
| Status LED               | 1 LED yellow for output state |
| Supply voltage limits    | 10...36 V DC                  |
| Switching frequency      | <= 5000 Hz                    |
| Voltage drop             | <= 2.6 V at closed state      |
| Current consumption      | 0...10 mA at no-load          |
| Delay first up           | <= 5 ms                       |
| Delay response           | <= 0.1 ms                     |
| Delay recovery           | <= 0.1 ms                     |
| Marking                  | CE                            |
| Threaded length          | 42 mm                         |
| Height                   | 12 mm                         |
| Length                   | 54 mm                         |
| Product weight           | 0.075 kg                      |

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0.315 kg

## Environment

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| product certifications                | CSA<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                            |

## Offer Sustainability

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0807 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available                                                             |
| Product end of life instructions | Available                                                             |

## Contractual warranty

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