

# XS4P12KP340

inductive sensor XS4 M12 - L50mm - PPS -  
Sn4mm - 12..24VDC - cable 2m



## Main

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Range of product                   | OsiSense XS                                          |
| Series name                        | General purpose                                      |
| Sensor type                        | Inductive proximity sensor                           |
| Device application                 | -                                                    |
| Sensor name                        | XS4                                                  |
| Sensor design                      | Cylindrical M12                                      |
| Size                               | 50 mm                                                |
| Body type                          | Fixed                                                |
| Detector flush mounting acceptance | Non flush mountable                                  |
| Material                           | Plastic                                              |
| Type of output signal              | Discrete                                             |
| Wiring technique                   | 4-wire                                               |
| [Sn] nominal sensing distance      | 4 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                       | 2 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       | PPS                             |
| Operating zone           | 0...3.2 mm                      |
| Differential travel      | 1...15% of Sr                   |
| Cable composition        | 4 x 0.34 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 (closed                |
| Current consumption      | 0...10 mA (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 | 0.065 kg<br>0.075 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 (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Offer Sustainability

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                      |
| RoHS (date code: YYWW)           | Compliant - since 0808 - <a href="#">Schneider Electric declaration of conformity</a>                                                      |
| REACH                            | Reference not containing SVHC above the threshold                                                                                          |
| Product environmental profile    | Available  <a href="#">Download Product Environmental</a> |
| Product end of life instructions | Available  <a href="#">Download End Of Life Manual</a>    |