

# XS1M12KP340D

inductive sensor XS1 M12 - L61mm - brass -  
Sn2mm - 12..24VDC - M12



## 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                               | 61 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              | 4 pins M12 male connector                            |
| [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            | IP67 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                 |
| 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                | 18 mm                         |
| Length                | 61 mm                         |
| Product weight        | 0.025 kg                      |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | UL<br>CSA   |
| 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<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>  |
| Product end of life instructions | Available<br><a href="#">End of life manual</a>   |

## Contractual warranty

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