

## XS4P12MA230LD

inductive sensor XS4 M12 - L52mm - PPS - Sn4mm - 24..240VAC/DC - M12 0.8m



### 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                               | 52 mm                             |
| Body type                          | Fixed                             |
| Detector flush mounting acceptance | Non flush mountable               |
| Material                           | Plastic                           |
| Type of output signal              | Discrete                          |
| Wiring technique                   | 2-wire                            |
| [Sn] nominal sensing distance      | 4 mm                              |
| Discrete output function           | 1 NO                              |
| Output circuit type                | AC/DC                             |
| Electrical connection              | M12 remote male connector, 4 pins |
| Cable length                       | 0.8 m                             |
| [Us] rated supply voltage          | 24...240 V AC/DC, 50/60 Hz        |
| Switching capacity in mA           | 5...200 mA AC/DC                  |
| IP degree of protection            | IP67 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                    |
| Status LED            | 1 LED (yellow) for output state  |
| Supply voltage limits | 20...264 V AC/DC                 |
| Residual current      | <= 0.6 mA (open state)           |
| Switching frequency   | <= 25 Hz (AC)<br><= 3000 Hz (DC) |
| Voltage drop          | <= 5.5 V (closed)                |
| Delay first up        | <= 40 ms                         |
| Delay response        | <= 0.2 ms                        |
| Delay recovery        | <= 0.2 ms                        |
| Marking               | CE                               |
| Threaded length       | 42 mm                            |
| Length                | 52 mm                            |

### Environment

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

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|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| 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                   |

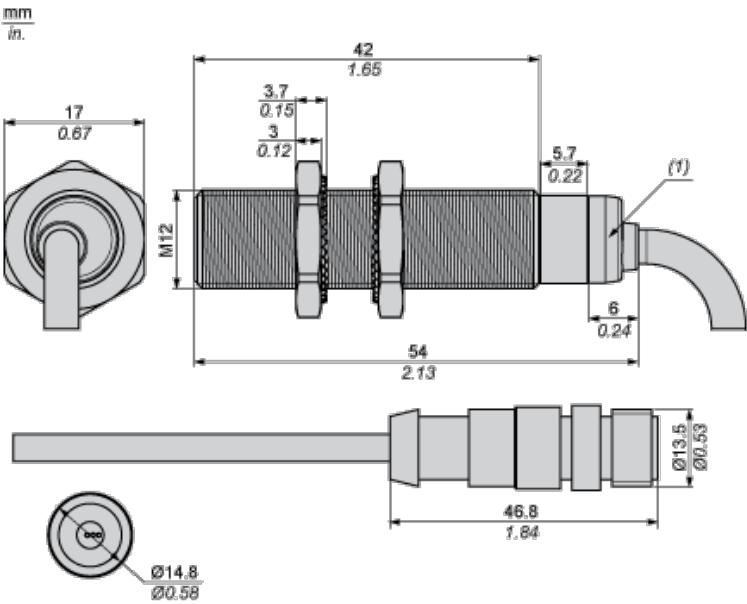
Offer Sustainability

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1136 - 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 |
|-----------------|-----------|

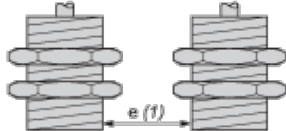
Dimensions



(1) LED

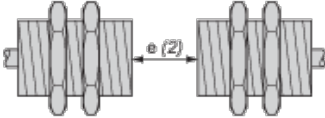
Minimum Mounting Distances

Side by side



e (1) 16 mm/0.63 in.  
≥

Face to face



e (2) 48 mm/1.89 in.  
≥

Facing a metal object



e (3) 12 mm/0.47 in.

≥

Mounted in a metal support

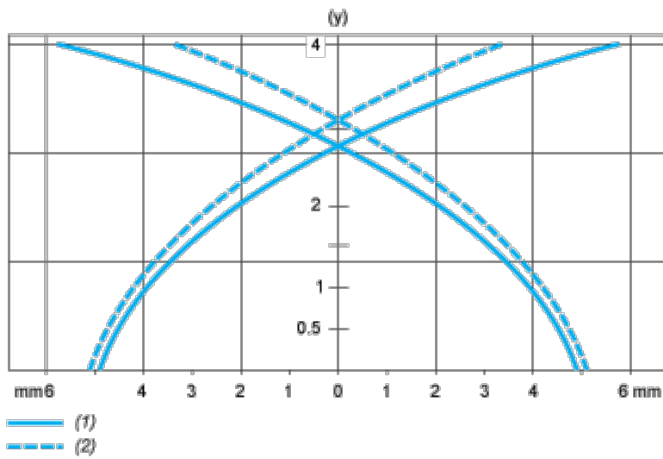


d ≥ 36 mm/1.42 in.

h ≥ 8 mm/0.31 in.

## Performance Curves

Standard Steel Target : 12x12x1 mm



(1) Pick-up points

(2) Drop-out points (object approaching from the side)

(y) Sensing distance in mm