

XS4P12MA230L1

inductive sensor XS4 M12 - L52mm - PPS -
Sn4mm - 24..240VAC/DC - cable 5m



Main

| | |
|------------------------------------|--|
| Range of product | OsiSense 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 | 2-wire |
| [Sn] nominal sensing distance | 4 mm |
| Discrete output function | 1 NO |
| Output circuit type | AC/DC |
| Electrical connection | Cable |
| Cable length | 5 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 | 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 | 2 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 20...264 V AC/DC |
| Maximum residual current | 0.6 mA open state |
| Switching frequency | <= 25 Hz AC <= 3000 Hz DC |
| Maximum voltage drop | <5.5 V (closed) |
| Maximum delay first up | 40 ms |
| Maximum delay response | 0.2 ms |
| Maximum delay recovery | 0.2 ms |
| Marking | CE |
| Threaded length | 42 mm |
| Height | 12 mm |
| Length | 52 mm |
| Net weight | 0.185 kg |






Environment

| | |
|---------------------------------------|---|
| Product certifications | CCC CSA 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 |

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 150 g |
| Package 1 Height | 4.1 cm |
| Package 1 width | 13.2 cm |
| Package 1 Length | 9.5 cm |

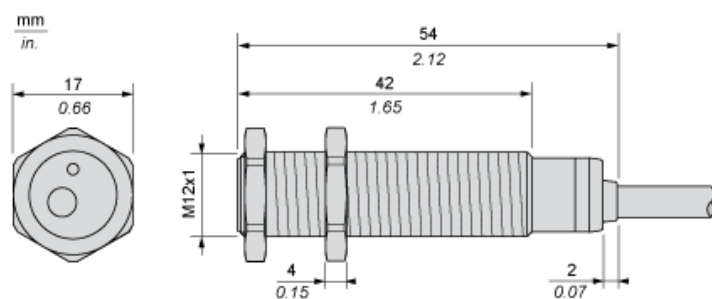
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End of Life Information |

Contractual warranty

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

Dimensions



Minimum Mounting Distances

Side by side



$e (1)$ 16 mm/0.63 in.

\geq

Face to face



$e (2)$ 48 mm/1.89 in.

\geq

Facing a metal object



$e (3)$ 12 mm/0.47 in.

\geq

Mounted in a metal support



$d \geq$ 36 mm/1.42 in.

$h \geq$ 8 mm/0.31 in.

Mounting



(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire AC or DC

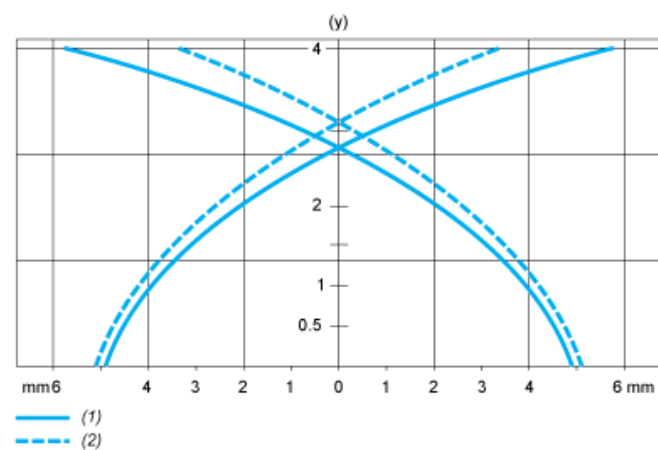
NO output



BU : Blue
BN : Brown

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