# XS4P12PB370

inductive sensor XS4 M12 - L52mm - PPS - Sn4mm - 12..48VDC - cable 2m

Green Premium

## 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 | 3-wire |
| [Sn] nominal sensing distance | 0.16 in (4 mm) |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...48 V DC reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC overload and short-circuit protection |
| IP degree of protection | IP68 double insulation IEC 60529 |

## Complementary

| | |
|---|---|
| Thread type | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | PPS |
| Operating zone | 0.00…0.13 in (0…3.2 mm) |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm² |
| Wire insulation material | PvR |
| Status LED | Output state 1 LED yellow) |
| Supply voltage limits | 10…58 V DC |
| Switching frequency | <= 5000 Hz |
| Maximum voltage drop | <2 V closed) |
| Current consumption | 0...10 mA no-load |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.1 ms |
| Maximum delay recovery | 0.1 ms |
| Marking | CE |
| Threaded length | 1.65 in (42 mm) |
| Height | 0.47 in (12 mm) |
| Length | 2.05 in (52 mm) |
| Net Weight | 0.14 lb(US) (0.065 kg) |

## Environment

| | |
|---|---|
| Product certifications | CSA<br>Ecolab<br>UL<br>CCC |
| Ambient air temperature for operation | -13…158 °F (-25…70 °C) |
| Ambient air temperature for storage | -40…185 °F (-40…85 °C) |
| Vibration resistance | 25 gn +/- 2 mm 10…55 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |

## Ordering and shipping details

| | |
|---|---|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 03389110926781 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1 lb(US) (0.45 kg) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.77 in (4.5 cm) |
| Package 1 width | 3.15 in (8 cm) |
| Package 1 Length | 5.83 in (14.8 cm) |

## Offer Sustainability

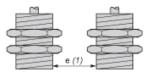| | |
|---|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| 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 |

Life Is On | Schneider Electric

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## Dimensions
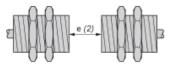


(1)    LED

## Minimum Mounting Distances
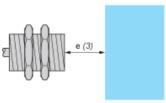
Side by side



e (1)  16 mm/0.63 in.
≥

Face to face



e (2)  48 mm/1.89 in.
≥
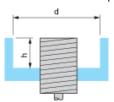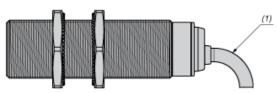
Facing a metal object



e (3)  12 mm/0.47 in.
≥

Mounted in a metal support
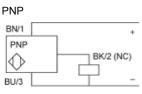


d ≥    36 mm/1.42 in.
h ≥    8 mm/0.31 in.

## Mounting



(1)    Bending cable: 4 x external cable diameter

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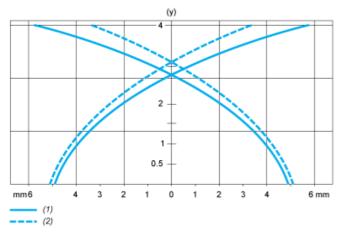
## Wiring Schemes

PNP



BU : Blue
BN : Brown
BK : Black

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## 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