

# Product data sheet

## Characteristics

### XS512B1PBL10

inductive sensor XS5 M12 - L35mm - brass -  
Sn2mm - 12..24VDC - cable 10m

Price\* : 70.40 USD



(!) Discontinued

#### Main

|                                    |   |
|------------------------------------|---|
| Range of product                   | OsiSense XS   |
| Series name                        | General purpose                                     |
| Sensor type                        | Inductive proximity sensor                          |
| Device application                 | -   |
| Sensor name                        | XS5   |
| Sensor design                      | Cylindrical M12                                     |
| Size                               | 37 mm   |
| Body type                          | Fixed   |
| Detector flush mounting acceptance | Flush mountable                                     |
| Material                           | Metal   |
| Type of output signal              | Discrete  |
| Wiring technique                   | 3-wire  |
| [Sn] nominal sensing distance      | 0.08 in (2 mm)                                      |
| Discrete output function           | 1 NC  |
| Output circuit type                | DC  |
| Discrete output type               | PNP   |
| Electrical connection              | cable   |
| Cable length                       | 32.81 ft (10 m)                                     |
| [Us] rated supply voltage          | 12...24 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<br>IP69K DIN 40050 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

#### Complementary

|                     |                             |
|---------------------|-----------------------------|
| Thread type         | M12 x 1                     |
| Detection face      | Frontal                     |
| Front material      | PPS                         |
| Enclosure material  | Nickel plated brass         |
| Operating zone      | 0.00...0.06 in (0...1.6 mm) |
| Differential travel | 1...15% of Sr               |

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                          |                            |
|--------------------------|----------------------------|
| Cable composition        | 3 x 0.34 mm <sup>2</sup>   |
| Wire insulation material | PvR                        |
| Status LED               | Output state 1 LED yellow) |
| Supply voltage limits    | 10..36 V DC                |
| Switching frequency      | <= 5000 Hz                 |
| Maximum voltage drop     | <2 V closed)               |
| Current consumption      | <= 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          | 0.98 in (25 mm)            |
| Height                   | 0.47 in (12 mm)            |
| Length                   | 1.38 in (35 mm)            |
| Net weight               | 0.87 lb(US) (0.395 kg)     |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | UL<br>CSA                               |
| 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                | 03389110128512           |
| Package weight(Lbs) | 0.61 lb(US) (0.275 kg)   |
| Returnability       | No                       |
| Country of origin   | FR                       |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 1.480 dm |
| Package 1 width  | 0.800 dm |
| Package 1 Length | 0.800 dm |

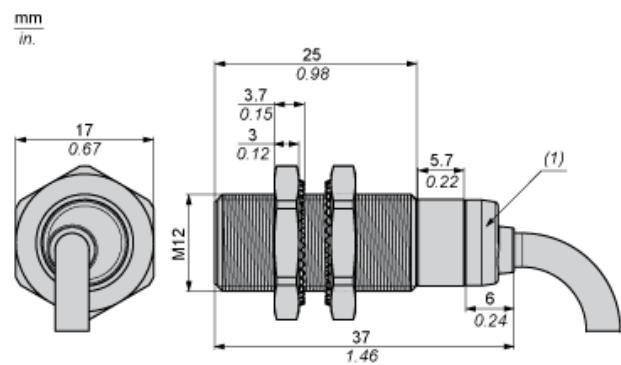
## Contractual warranty

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

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Dimensions

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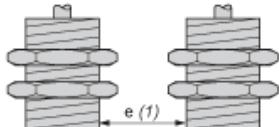


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### Minimum Mounting Distances

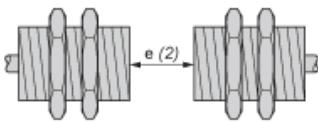
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Side by side



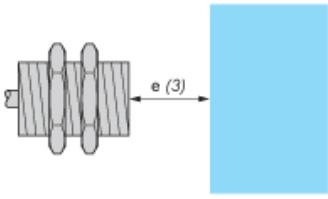
$e (1) \geq 4 \text{ mm/0.16 in.}$

Face to face



$e (2) \geq 24 \text{ mm/0.94 in.}$

Facing a metal object

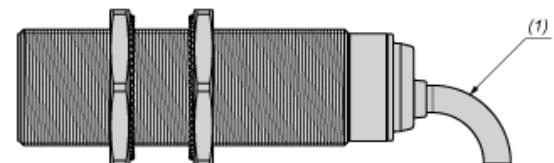


$e (3) \geq 6 \text{ mm/0.24 in.}$

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Mounting

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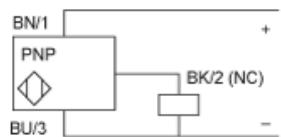
(1) Bending cable: 4 x external cable diameter

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### Wiring Schemes

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PNP



BU : Blue

BN : Brown

BK : Black

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Performance Curves

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Standard Steel Target : 12x12x1 mm

