



# XS512B1NBL2

inductive sensor XS5 M12 - L35mm - brass - Sn2mm - 12..24VDC  
- cable 2m



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## Main

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|   |  |
|---|--|
| <b>Range of product</b>                   | OsiSense XS  |
| <b>Series name</b>                        | General purpose  |
| <b>Sensor type</b>                        | Inductive proximity sensor   |
| <b>Device application</b>                 | -  |
| <b>Sensor name</b>                        | XS5  |
| <b>Sensor design</b>                      | Cylindrical M12  |
| <b>Size</b>                               | 35 mm  |
| <b>Body type</b>                          | Fixed  |
| <b>Detector flush mounting acceptance</b> | Flush mountable  |
| <b>Material</b>                           | Metal  |
| <b>Type of output signal</b>              | Discrete   |
| <b>Wiring technique</b>                   | 3-wire   |
| <b>[Sn] nominal sensing distance</b>      | 2 mm   |
| <b>Discrete output function</b>           | 1 NC   |
| <b>Output circuit type</b>                | DC   |
| <b>Discrete output type</b>               | NPN  |
| <b>Electrical connection</b>              | Cable  |
| <b>Cable length</b>                       | 2 m  |
| <b>[Us] rated supply voltage</b>          | 12...24 V DC with reverse polarity protection                                    |
| <b>Switching capacity in mA</b>           | <= 200 mA DC with overload and short-circuit protection                          |
| <b>IP degree of protection</b>            | IP68 double insulation conforming to IEC 60529<br>IP69 K conforming to DIN 40050 |

## Complementary

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|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Thread type</b>              | M12 x 1                         |
| <b>Detection face</b>           | Frontal                         |
| <b>Front material</b>           | PPS                             |
| <b>Enclosure material</b>       | Nickel plated brass             |
| <b>Operating zone</b>           | 0...1.6 mm                      |
| <b>Differential travel</b>      | 1...15% of Sr                   |
| <b>Cable composition</b>        | 3 x 0.34 mm <sup>2</sup>        |
| <b>Wire insulation material</b> | PvR                             |
| <b>Status LED</b>               | 1 LED (yellow) for output state |
| <b>Supply voltage limits</b>    | 10...36 V DC                    |
| <b>Switching frequency</b>      | <= 5000 Hz                      |
| <b>Voltage drop</b>             | <= 2 V, closed state            |
| <b>Current consumption</b>      | <= 10 mA (no-load)              |

|                 |           |
|-----------------|-----------|
| Delay first up  | <= 10 ms  |
| Delay response  | <= 0.1 ms |
| Delay recovery  | <= 0.1 ms |
| Marking         | CE        |
| Threaded length | 25 mm     |
| Height          | 12 mm     |
| Length          | 35 mm     |
| Product weight  | 0.075 kg  |



## Environment

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|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>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 (duration = 11 ms) conforming to IEC 60068-2-27                   |

## Offer Sustainability

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|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0812 - Schneider Electric declaration of conformity   |
| REACH                            | Reference not containing SVHC above the threshold   |
| Product environmental profile    | Available  <a href="#">download Product environmental</a> |
| Product end of life instructions | Available  <a href="#">download End of life manual</a>    |

## Contractual warranty

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|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|