# Product datasheet
## Characteristics

# XS1N18PA349L1
inductive sensor XS1 M18 - L39mm - brass - Sn10mm - 12..24VDC - cable 5m

## Main

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|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M18 |
| Size | 39 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 10 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 5 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529<br>IP69K conforming to DIN 40050 |

## Complementary

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|---|---|
| Thread type | M18 x 1 |
| Detection face | Frontal |

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

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|---|---|
| Front material | PPS |
| Operating zone | 0…8 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…36 V DC |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | 0...10 mA no-load |
| Maximum delay first up | 5 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.7 ms |
| Marking | CE |
| Threaded length | 28 mm |
| Height | 18 mm |
| Length | 39 mm |
| Net weight | 0.1 kg<br>0.22 kg |

## Environment

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|---|---|
| Product certifications | UL<br>CSA |
| Ambient air temperature for operation | -25…50 °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 gnfor 11 ms conforming to IEC 60068-2-27 |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

## Contractual warranty

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| Warranty | 18 months |