# *Product datasheet*
*Characteristics*

# xs212aapal2
inductive sensor XS2 M12 - L50mm - PPS - Sn7mm - 12..48VDC - cable 2m



## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Product specific application | Food and beverage |
| Sensor name | XS2 |
| Sensor design | Cylindrical M12 |
| Size | 50 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 | 7 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529<br>IP69 K conforming to DIN 40050 |

## Complementary

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|---|---|
| ISO thread | M12 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | PPS |
| Operating zone | 0...5.6 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm² |
| Wire insulation material | PvR |
| Status LED | 1 LED yellow for output state |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 2500 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | <= 10 mA at no-load |
| Delay first up | <= 10 ms |
| Delay response | <= 0.2 ms |
| Delay recovery | <= 0.2 ms |
| Marking | CE |
| Threaded length | 42 mm |
| Length | 50 mm |
| Product weight | 0.065 kg |

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## Environment

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|---|---|
| Product certifications | CCC<br>CSA<br>UL |
| Ambient air temperature for operation | -25...85 °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 |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0821 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |
| Product end of life instructions | Available |