# Product datasheet
## Characteristics

# XS208BLPAL2

inductive sensor XS2 M8 - L42mm - brass - Sn2.5mm - 12..24VDC - cable 2m

Green Premium™
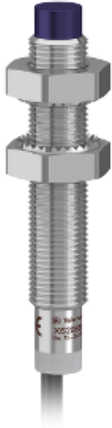
## Main

| | |
|---|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS2 |
| Sensor design | Cylindrical M8 |
| Size | 44 mm |
| Body type | Fixed |
| Enclosure material | Nickel plated brass |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NO |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| ISO thread | M8 x 1 |
| Detection face | Frontal |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Metal |
| Front material | PPS |
| Operating zone | 0…2 mm |
| Differential travel | 1...15% of Sr |

| | |
|---|---|
| Output circuit type | DC |
| Cable composition | 3 x 0.11 mm² |
| Wire insulation material | PVC |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10…36 V DC |
| Maximum voltage drop | <2 V (closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 5 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 1 ms |
| Marking | CE |
| Threaded length | 31 mm |
| Height | 8 mm |
| Length | 44 mm |
| Product weight | 0.035 kg |

### Environment

| | |
|---|---|
| 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 for 11 ms conforming to IEC 60068-2-27 |

### Offer Sustainability

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

### Contractual warranty

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