



Main

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| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Product specific application | - |
| Sensor name | XS1 |
| Sensor design | Cylindrical M8 |
| Size | 61 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Stainless steel |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sd] sensing range | > 0...2.5 mm |
| [Sn] nominal sensing distance | 1.5 mm |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | 4 pins M12 male connector |
| [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

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| ISO thread | M8 x 1 |
| Detection face | Frontal |
| Enclosure material | Stainless steel 303 |
| Operating zone | 0...1.2 mm |
| Differential travel | 1...15% of Sr |
| Status LED | 1 LED yellow for output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 5000 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | 0...10 mA at no-load |
| Delay first up | <= 5 ms |
| Delay response | <= 0.1 ms |
| Delay recovery | <= 0.1 ms |
| Marking | CE |
| Threaded length | 42 mm |
| Length | 61 mm |
| CAD overall height | 18 mm |
| CAD overall depth | 61 mm |
| Product weight | 0.025 kg |

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Environment

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| Product certifications | CSA 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 |
| RoHS EUR status | Compliant |
| RoHS EUR conformity date | 0953 |