



Main

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| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Product specific application | - |
| Sensor name | XS7 |
| Sensor design | Form 12 x 40 x 26 |
| Size | 26 mm |
| Body type | Fixed |
| Enclosure material | Plastic |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 2 mm |
| Discrete output function | 1 NO |
| Discrete output type | NPN |
| Electrical connection | Cable |
| Cable length | 2 m |
| Wire insulation material | PVC |
| [Us] rated supply voltage | 12...24 V DC |
| Switching capacity in mA | <= 100 mA with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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| Detection face | Lateral |
| Detector flush mounting acceptance | Flush mountable |
| Material | Plastic |
| Front material | Plastic |
| Operating zone | 0...1.6 mm |
| Differential travel | 3...20% of Sr |
| Repeat accuracy | <= 10% of Sr |
| Output circuit type | DC |

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| Cable composition | 3 x 0.34 mm ² |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...30 V DC |
| Switching frequency | <= 2000 Hz |
| Maximum voltage drop | <1.8 V (closed) |
| Current consumption | 0...10 mA no-load |
| Maximum delay first up | 4 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 1 ms |
| Marking | CE |
| Depth | 26 mm |
| Height | 40 mm |
| Width | 12 mm |
| Product weight | 0.1 kg |

Environment

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|---------------------------------------|---|
| Product certifications | UL CSA |
| 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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|----------------------------|---|
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations End of Life Information |

Contractual warranty

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| Warranty | 18 months |
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