



Main

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| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Device application | Mobile equipment |
| Sensor name | XS1 |
| Sensor design | Cylindrical M12 |
| Size | 37 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| [Sn] nominal sensing distance | 4 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Discrete output type | NPN |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA overload and short-circuit protection |
| IP degree of protection | IP65 IEC 60529 IP67 IEC 60529 |

Complementary

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| Thread type | M12 x 1 |
| Detection face | Frontal |

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| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Operating zone | 0.00...0.13 in (0...3.2 mm) |
| Differential travel | 1...15% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 2500 Hz |
| Maximum voltage drop | <2 V closed) |
| Current consumption | <= 10 mA no-load |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.2 ms |
| Maximum delay recovery | 0.2 ms |
| Marking | CE |
| Threaded length | 0.98 in (25 mm) |
| Length | 1.46 in (37 mm) |
| Net weight | 0.20 lb(US) (0.09 kg) |

Environment

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| Product certifications | E2 CSA UL |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Vibration resistance | 25 gn +/- 2 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 3.21 oz (91 g) |
| Package 1 Height | 1.61 in (4.1 cm) |
| Package 1 width | 3.74 in (9.5 cm) |
| Package 1 Length | 5.20 in (13.2 cm) |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 1 |
| Package 2 Weight | 3.21 oz (91 g) |
| Package 2 Height | 0.79 in (2 cm) |
| Package 2 width | 7.87 in (20 cm) |
| Package 2 Length | 5.91 in (15 cm) |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 22 |
| Package 3 Weight | 5.42 lb(US) (2.457 kg) |
| Package 3 Height | 5.91 in (15 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

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) EU RoHS Declaration |

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| 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 |
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