



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 | XS4 |
| Sensor design | Cylindrical M18 |
| Size | 34 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Non flush mountable |
| Material | Plastic |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 8 mm |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| 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 | IP68 double insulation conforming to IEC 60529 |

Complementary

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| Safety level | SILCL 2 conforming to IEC 62061 PL = d conforming to EN/ISO 13849-1 SIL 2 conforming to EN/IEC 61508 |
| Safety reliability data | MTTFd = 1810 years PFHd = 62.9E-9 1/h SFF = 92 % |

DC = 75 % with appropriate safety controller

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| Service life | 20 yr |
| Thread type | M18 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | PPS |
| Operating zone | 0...6.4 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 4 x 0.22 mm ² |
| Wire insulation material | PvR |
| Status LED | 1 LED (yellow) for output state |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 2000 Hz |
| Voltage drop | <= 2 V (closed) |
| Current consumption | 0...10 mA (no-load) |
| Delay first up | <= 5 ms |
| Delay response | <= 0.15 ms |
| Delay recovery | <= 0.35 ms |
| Marking | CE |
| Threaded length | 26 mm |
| Height | 18 mm |
| Length | 34 mm |
| Product weight | 0.09 kg 0.1 kg |

Environment

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| Standards | EN/ISO 13849-1 IEC 62061 |
| 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 (duration = 11 ms) conforming to IEC 60068-2-27 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0814 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available End of Life Information |
| Product end of life instructions | Available |

Contractual warranty

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| Warranty period | 18 months |
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