



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 M18 |
| Size | 48 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 0.2 in (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 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050 |

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 = 74 % 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 | Nickel plated brass |
| Operating zone | 0...0.16 in (0...4 mm) |
| Differential travel | 1...15% of Sr |
| Status LED | 1 LED yellow output state |
| Supply voltage limits | 9...36 V DC |
| Switching frequency | <= 2000 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | 0...10 mA at no-load |
| Delay first up | <= 5 ms |
| Delay response | <= 0.15 ms |
| Delay recovery | <= 0.35 ms |
| Marking | CE |
| Threaded length | 1.1 in (28 mm) |
| Height | 0.71 in (18 mm) |
| Length | 2.01 in (51 mm) |
| Product weight | 0.09 lb(US) (0.04 kg) |

Environment

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| Standards | IEC 62061 EN/ISO 13849-1 |
| Product certifications | UL E2 CSA TÜV |
| 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 amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms conforming to IEC 60068-2-27 |

Ordering and shipping details

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|-----------------------|----------------------------|
| Category | 22486 - SENSORS, PROXIMITY |
| Discount Schedule | DS2 |
| GTIN | 00785901917120 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.13 |
| Returnability | Y |
| Country of origin | FR |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0812 - 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 |
| Product end of life instructions | Available |

Contractual warranty

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| Warranty period | 18 months |
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