



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 | XS8 |
| Sensor design | Form 40 x 40 x 117 |
| Size | 117 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Plastic |
| Enclosure material | PBT |
| Type of output signal | Discrete |
| Wiring technique | 4-wire |
| [Sn] nominal sensing distance | 20 mm |
| Discrete output function | 1 NO + 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Screw-clamp terminals, clamping capacity: 4 x 1.5 mm ² |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA with overload and short-circuit protection |
| IP degree of protection | IP65 conforming to IEC 60529 IP67 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 | SFF = 92 % |

DC = 75 % with appropriate safety controller
 MTTFd = 1546 years
 PFHd = 7.4E-8 1/h

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| Detection face | 5 positions turret head |
| Front material | PBT |
| Operating zone | 0...16 mm |
| Differential travel | 3...15% of Sr |
| Repeat accuracy | <= 3% of Sr |
| Cable entry number | 1 tapped entry for Pg 13.5 cable gland |
| Status LED | 1 LED green for supply on 1 LED yellow for output state |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 300 Hz |
| Voltage drop | <= 2 V at closed state |
| Current consumption | 0...15 mA at no-load |
| Delay first up | <= 7.5 ms |
| Delay response | <= 1.2 ms |
| Delay recovery | <= 1.8 ms |
| Marking | CE |
| Height | 40 mm |
| Length | 40 mm |
| Width | 117 mm |
| Product weight | 0.244 kg |

Environment

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| Product certifications | CCC CSA TÜV UL E2 |
| 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 EN 60068-2-27 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1213 - 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 Environmental Profile |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

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| Warranty period | 18 months |
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