



Main

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|------------------------------------|---|
| Range of product | OsiSense XS |
| Series name | General purpose |
| Sensor type | Inductive proximity sensor |
| Sensor name | XS6 |
| Sensor design | Cylindrical M8 |
| Size | 33 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Type of output signal | Discrete |
| Wiring technique | 2-wire |
| [Sn] nominal sensing distance | 2.5 mm |
| Discrete output function | 1 NO |
| Output circuit type | DC |
| Electrical connection | Cable |
| Cable length | 2 m |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Switching capacity in mA | <= 100 mA DC with overload and short-circuit protection |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|--------------------------|------------------------------|
| Thread type | M8 x 1 |
| Detection face | Frontal |
| Front material | PPS |
| Enclosure material | Nickel plated brass |
| Sensing range | > 0...2.5 mm |
| Operating zone | 0...2 mm |
| Differential travel | 1...15% of Sr |
| Cable composition | 2 x 0.11 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state: 1 LED (yellow) |
| Supply voltage limits | 10...36 V DC |
| Switching frequency | <= 3000 Hz DC |
| Maximum voltage drop | <4 V (closed) |
| Maximum delay first up | 10 ms |
| Maximum delay response | 0.3 ms |
| Maximum delay recovery | 0.3 ms |
| Marking | CE |
| Threaded length | 25 mm |
| Length | 33 mm |
| Net weight | 0.07 kg |

Environment

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|---------------------------------------|---|
| 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 for 11 ms conforming to IEC 60068-2-27 |

Packing Units

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|------------------------|-----|
| Unit Type of Package 1 | PCE |
| Unit Type of Package 2 | BAG |
| Unit Type of Package 3 | S02 |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 | End Of Life Information |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Minimum Mounting Distances in mm

Side by side



e (1) 5 mm/0.20 in.

≥

Face to face



e (2) 30 mm/1.18 in.

≥

Facing a metal object



e (3) 8 mm/0.31 in.

≥

Mounting

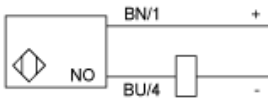


(1) Bending cable: 4 x external cable diameter

Wiring Schemes

2-Wire DC Polarised

NO output



BU : Blue
BN : Brown

Performance Curves

Standard Steel Target (mm) : 8x8x1



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm