



Main

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| Range of product | OsiSense XS ATEX D |
| Series name | Application |
| Sensor type | Inductive proximity sensor |
| Device application | Rotation monitoring ATEX dust |
| Sensor name | XSA |
| Sensor design | Cylindrical M30 |
| Size | 81 mm |
| Body type | Fixed |
| Detector flush mounting acceptance | Flush mountable |
| Material | Metal |
| Enclosure material | Nickel plated brass |
| [Sn] nominal sensing distance | 10 mm |
| Type of output signal | Discrete |
| Wiring technique | 3-wire |
| Discrete output function | 1 NC |
| Output circuit type | DC |
| Discrete output type | PNP |
| Electrical connection | Cable |
| Cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...48 V DC with reverse polarity protection |
| Switching capacity in mA | <= 200 mA overload and short-circuit protection |
| IP degree of protection | IP67 IEC 60529 |

Complementary

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| Thread type | M30 x 1.5 |
| Detection face | Frontal |

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| Front material | PPS |
| Sensing range | > 8...15 mm |
| Adjustable frequency range | 6...150 cyc/mn |
| Operating zone | 0.00...0.31 in (0...8 mm) |
| Differential travel | 3...15% of Fr |
| Repeat accuracy | 3% of Sr |
| Cable composition | 3 x 0.34 mm ² |
| Wire insulation material | PvR |
| Status LED | Output state 1 LED red) |
| Supply voltage limits | 10...58 V DC |
| Switching frequency | <= 100 Hz |
| Maximum voltage drop | <1.8 V (closed state) |
| Current consumption | 0...15 mA no-load |
| Run-up delay at power-up | 9 s standard |
| Marking | II2 D-Ex tb IIIC T90°C Db IP67 |
| Threaded length | 2.24 in (57 mm) |
| Height | 1.18 in (30 mm) |
| Length | 3.19 in (81 mm) |

Environment

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| Environmental characteristic | Hazardous location |
| Standards | EN/IEC 60079-31 EN/IEC 60079-0 |
| Directives | 2014/34/EU - ATEX directive |
| Product certifications | INERIS 04ATEX0022X IEC-Ex INE 17.0006 |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) |
| Dust zone | Zone 21 - 22 |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 8.68 oz (246 g) |
| Package 1 Height | 1.73 in (4.4 cm) |
| Package 1 width | 6.30 in (16 cm) |
| Package 1 Length | 6.26 in (15.9 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 20 |
| Package 2 Weight | 11.52 lb(US) (5.225 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 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 |
| 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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