

Product Datasheet

Characteristic

XS530B1NAL2

inductive sensor XS5 M30 - L43mm -
brass - Sn10mm - 12..24VDC - cable 2m



Main

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|------------------------------------|---|
| range of product | OsiSense XS |
| series name | general purpose |
| sensor type | inductive proximity sensor |
| device application | - |
| sensor name | XS5 |
| sensor design | cylindrical M30 |
| size | 1.69 in (43 mm) |
| body type | fixed |
| detector flush mounting acceptance | flush mountable |
| material | metal |
| type of output signal | discrete |
| wiring technique | 3-wire |
| [Sn] nominal sensing distance | 0.39 in (10 mm) |
| discrete output function | 1 NO |
| output circuit type | DC |
| discrete output type | NPN |
| electrical connection | cable |
| cable length | 6.56 ft (2 m) |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| switching capacity in mA | <= 200 mA DC with overload and short-circuit protection |
| IP degree of protection | IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

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|---------------------|--------------------------|
| thread type | M30 x 1.5 |
| detection face | frontal |
| front material | PPS |
| enclosure material | nickel plated brass |
| operating zone | 0...0.31 in (0...8 mm) |
| differential travel | 1...15% of Sr |
| cable composition | 3 x 0.34 mm ² |

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|--------------------------|-----------------------------|
| wire insulation material | PvR |
| status LED | 1 LED (yellow) output state |
| supply voltage limits | 10...36 V DC |
| switching frequency | <= 1000 Hz |
| voltage drop | <= 2 V, closed state |
| current consumption | <= 10 mA (no-load) |
| delay first up | <= 10 ms |
| delay response | <= 0.3 ms |
| delay recovery | <= 0.7 ms |
| marking | CE |
| threaded length | 1.26 in (32 mm) |
| height | 1.18 in (30 mm) |
| length | 1.69 in (43 mm) |
| product weight | 0.45 lb(US) (0.205 kg) |

Environment

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|---------------------------------------|---|
| product certifications | CSA UL |
| 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 (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 1136 - |
| REACH | 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 |
|-----------------|-----------|