

Product Datasheet

Characteristic

XS8C4A1MPN12

inductive sensor XS8 40x40x117 - PBT - Sn20 mm - 24..240VAC/DC - terminals



Main

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|------------------------------------|---|
| range of product | OsiSense XS |
| series name | general purpose |
| sensor type | inductive proximity sensor |
| device application | - |
| sensor name | XS8 |
| sensor design | form 40 x 40 x 117 |
| size | 4.61 in (117 mm) |
| body type | fixed |
| detector flush mounting acceptance | flush mountable |
| material | plastic |
| enclosure material | PBT |
| type of output signal | discrete |
| wiring technique | 2-wire |
| [Sn] nominal sensing distance | 0.79 in (20 mm) |
| discrete output function | 1 NO or 1 NC programmable |
| output circuit type | AC/DC |
| electrical connection | screw-clamp terminals, clamping capacity: 4 x 1.5 mm ² |
| [Us] rated supply voltage | 24...240 V AC 50/60 Hz 24...240 V DC |
| switching capacity in mA | 5...200 mA DC 5...300 mA AC |
| IP degree of protection | IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050 |

Complementary

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|---------------------|-------------------------------------|
| detection face | 5 positions turret head |
| front material | PBT |
| operating zone | 0...0.63 in (0...16 mm) |
| differential travel | 3...15% of Sr |
| repeat accuracy | <= 3% of Sr |
| cable entry number | 1 tapped entry 1/2" NPT cable gland |

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|-----------------------|---|
| status LED | 1 LED green supply on 1 LED yellow output state |
| supply voltage limits | 20...264 V AC/DC |
| residual current | <= 1.5 mA for open state 120 V <= 0.6 mA for open state 24 V |
| switching frequency | <= 25 Hz AC <= 50 Hz DC |
| voltage drop | <= 5.5 V at closed state |
| delay first up | <= 7.5 ms |
| delay response | <= 1.2 ms |
| delay recovery | <= 1.8 ms |
| marking | CE |
| height | 1.57 in (40 mm) |
| length | 1.57 in (40 mm) |
| width | 4.61 in (117 mm) |
| product weight | 0.54 lb(US) (0.244 kg) |

Environment

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|---------------------------------------|---|
| product certifications | CCC 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 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 - |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

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