

XXA30S2PM12

Ultrasonic sensor, stainless steel, cylindrical M30, angled, 2 m, PNP



Main

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|-------------------------------|--|
| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XXA |
| Sensor design | Cylindrical M30 |
| Detection system | Diffuse with 90° head) |
| [Sn] nominal sensing distance | 6.56 ft (2 m) adjustable with remote teach push-button |
| Material | Metal |
| Type of output signal | Discrete |
| Discrete output function | 1 NO or 1 NC programmable |
| Wiring technique | 5-wire |
| Discrete output type | PNP |
| [Us] rated supply voltage | 12...24 V DC reverse polarity protection |
| Electrical connection | Male connector M12 5 pins |
| [Sd] sensing range | 0.51...6.56 ft (0.155...2 m) |
| IP degree of protection | IP65 IEC 60529 IP67 |

Complementary

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|---|---|
| Enclosure material | Stainless steel 316L |
| Front material | Epoxy Rubber Resin |
| Supply voltage limits | 10...30 V DC |
| Function available | With synchronisation mode Software configurable |
| [Sa] assured operating distance | 0.51...6.56 ft (0.155...2 m) teach mode) |
| Blind zone | 6.10 in (155 mm) |
| Transmission frequency | 120 kHz |
| Repeat accuracy | 0.1 % |
| Deviation angle from 90° of object to be detected | -12...12 ° |
| Minimum size of detected object | Cylinder diameter 1 mm 4.59 ft (1.4 m) |
| Status LED | Output state 1 LED yellow) Echo state 1 LED green) |
| Current consumption | 65 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum voltage drop | 2 V |
| Switching frequency | 5.5 Hz |
| Setting-up | Teach mode Configurator software |
| Maximum delay first up | 150 ms |
| Maximum delay response | 90 ms |
| Maximum delay recovery | 90 ms |
| Marking | CE |
| Threaded length | 2.94 in (74.7 mm) |
| Height | 1.18 in (30 mm) |
| Width | 1.18 in (30 mm) |

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| Depth | 5.10 in (129.6 mm) |
| Net weight | 0.40 lb(US) (0.18 kg) |

Environment

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|---------------------------------------|---|
| Standards | EN/IEC 60947-5-2 CSA C22.2 No 14 UL 508 |
| Product certifications | CULus E2 EAC RCM Ecolab |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...176 °F (-40...80 °C) |
| Vibration resistance | +/-1 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn in all 3 axes 11 ms IEC 60068-2-27 |
| Resistance to electrostatic discharge | 8 kV IEC 61000-4-2 |
| Resistance to electromagnetic fields | 9.14 V/m (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 2 kV IEC 61000-4-4 |

Ordering and shipping details

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|-------------------|---|
| Category | 22489 - SENSORS XX ULTRASONIC GEN PURPOSE |
| Discount Schedule | DS2 |
| GTIN | 03389119644778 |
| Returnability | Yes |
| Country of origin | US |

Offer Sustainability

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| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure | Product Environmental Profile |

Contractual warranty

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| Warranty | 18 months |
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