

XX218A3NFM12

ultrasonic sensor cylindrical M18 - 2 filling levels - Sn
0.5 m - NO - M12



Main

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| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Series name | Application |
| Sensor name | XX2 |
| Sensor design | Cylindrical M18 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 0.5 m adjustable with remote teach push-button |
| Material | Plastic |
| Type of output signal | Discrete |
| Discrete output function | 1 NO |
| Wiring technique | 3-wire |
| Discrete output type | NPN |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| Product specific application | For 2 filling levels monitoring |
| [Sd] sensing range | 0.051...0.508 m |
| Beam angle | 6 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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|---|---|
| Enclosure material | Valox |
| Front material | Epoxy |
| Thread type | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0.051...0.508 m (teach mode) |
| Maximum differential travel | 2.5 mm |
| Blind zone | 0...51 mm |
| Transmission frequency | 300 kHz |
| Repeat accuracy | 1.27 % |
| Deviation angle from 90° of object to be detected | -7...7 ° |
| Minimum size of detected object | Cylinder diameter 2.5 mm at 0.15 m |
| Status LED | 1 LED (dual colour) for setting-up assistance 1 LED (green) for supply on 1 LED (yellow) for output state |
| Current consumption | 40 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Voltage drop | < 1 V |
| Delay first up | 100 ms |
| Delay response | 15 ms |
| Delay recovery | 1000 ms |
| Marking | CE |
| Threaded length | 43 mm |
| Height | 18 mm |
| Width | 18 mm |
| Depth | 79 mm |
| Product weight | 0.033 kg |

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Environment

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| standards | IEC 60947-5-2 |
| product certifications | CCSAus UL |
| ambient air temperature for operation | -20...65 °C |
| ambient air temperature for storage | -40...80 °C |
| vibration resistance | +/-1 mm conforming to IEC 60068-2-6 10...55 Hz |
| shock resistance | 30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27 |
| resistance to electrostatic discharge | 8 kV level 4 conforming to IEC 61000-4-2 |
| resistance to electromagnetic fields | 10 V/m level 3 conforming to IEC 61000-4-3 |
| resistance to fast transients | 1 kV level 3 conforming to IEC 61000-4-4 |

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0836 - Schneider Electric declaration of conformity |
| REACH | Reference contains SVHC above the threshold |
| Product end of life instructions | Available |

Contractual warranty

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| Warranty period | 18 months |
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