

Product data sheet

Characteristics

XX518A3PBM12

Ultrasonic sensors XX, ultrasonic sensor,
diameter 18 mm, sensor XX5



Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 110.00 USD



Main

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|------------------------------|---|
| Range of Product | Telemecanique Ultrasonic sensors XX |
| Sensor Type | Ultrasonic sensor |
| Sensor name | XX5 |
| Material | Valox |
| Sensor design | Ø 18 mm |
| Product Specific Application | Optimum and universal |
| Type of output signal | Discrete |
| Wiring Technique | 4 wires |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Discrete output function | 1 NC |
| Discrete output type | PNP |
| Electrical connection | 1 male connector M12 4 pins |
| [Sd] sensing range | 2.00...20.00 In (50.8...508 mm) |
| Beam angle | 5 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

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|---|---|
| Enclosure Material | ULTEM |
| Front material | Glass epoxy |
| ISO thread | M18 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sn] nominal sensing distance | 20.00 In (508 mm) |
| Type of sensing window | Adjustable |
| [Sa] assured operating distance | 2.01...20.00 In (51...508 mm) teach mode) |
| Maximum differential travel | 0.10 In (2.5 mm) |
| Blind zone | 2.01 In (51 mm) |
| Transmission frequency | 300 KHz |
| Repeat accuracy | 1.27 % |
| Deviation angle from 90° of object to be detected | -10...10 ° |

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|---------------------------------|--|
| Minimum size of detected object | Cylinder diameter 2.5 mm - up to 254 mm sensing distance |
| Status LED | Setting-up assistance 2 LEDs green/yellow (flashing)) Output state 2 LEDs green/yellow) |
| Current Consumption | 40 mA |
| Maximum switching current | 100 mA overload and short-circuit protection |
| Maximum voltage drop | <1.5 V |
| Switching frequency | 40 Hz |
| Maximum delay first up | 100 Ms |
| Maximum delay response | 15 Ms |
| Maximum delay recovery | 1000 Ms |
| Marking | CE |
| Maximum Height | 0.71 In (18 mm) |
| Maximum Width | 0.71 In (18 mm) |
| Maximum Depth | 0.71 In (18 mm) |
| Length | 3.06 In (77.62 mm) |
| CAD overall height | 0.03 In (0.654 mm) |
| CAD overall width | 0.71 In (18 mm) |
| CAD overall depth | 0.71 In (18 mm) |
| Net Weight | 0.07 Lb(US) (0.033 kg) |

Environment

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|---------------------------------------|--|
| Standards | IEC 60947-5-2 |
| Product Certifications | UL |
| NEMA degree of protection | NEMA 4X indoor use only) |
| Ambient Air Temperature for Operation | -22...158 °F (-30...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 level 4 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 | 1 KV level 3 IEC 61000-4-4 |

Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 00785901613282 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.41 Oz (40.007 g) |
| Returnability | No |
| Country of origin | US |

Packing Units

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|------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.57 In (4 cm) |
| Package 1 width | 1.57 In (4 cm) |
| Package 1 Length | 2.56 In (6.5 cm) |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isooctyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| 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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Product Life Status : **Commercialised**