

Product data sheet

Characteristics

XXT12A8M8

ultrasonic sensor cylindrical M12 - transmitter
Sn 0.2 m - M8 connector



Important message: We have updated the process for ordering Telemecanique Sensors products. For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.com. You can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
Local distributor code: 398626536
EAN Code: 3389119127974



Main

| | |
|-------------------------------|---|
| Range of product | Telemecanique Ultrasonic sensors XX |
| Sensor type | Ultrasonic sensor transmitter |
| Series name | General purpose |
| Sensor name | XXT |
| Sensor design | Cylindrical M12 |
| Detection system | Thru beam (need a receiver) |
| [Sn] nominal sensing distance | 0.2 m |
| Material | Plastic |
| Wiring technique | 2-wire |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M8 4 pins |
| [Sd] sensing range | 0...0.2 m |
| Beam angle | 10 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|---------------------------------|----------------------------------|
| Enclosure material | ULTEM |
| Front material | Epoxy |
| Thread type | M12 x 1 |
| Supply voltage limits | 10...28 V DC |
| [Sa] assured operating distance | 0...0.2 m |
| Transmission frequency | 500 kHz |
| Repeat accuracy | 0.79 % |
| Minimum size of detected object | Cylinder diameter 12 mm at 0.2 m |
| Current consumption | 50 mA |
| Marking | CE |
| Threaded length | 38 mm |
| Height | 12 mm |
| Width | 12 mm |
| Depth | 50 mm |
| Net weight | 0.011 kg |



Environment

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|---------------------------------------|--|
| Standards | IEC 60947-5-2 |
| Product certifications | 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 (f = 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 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.1 cm |
| Package 1 Width | 6.5 cm |
| Package 1 Length | 9.6 cm |
| Package 1 Weight | 29.983 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 22 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 880.0 g |

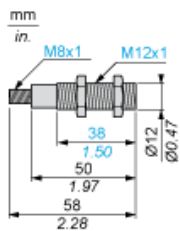
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

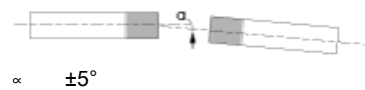
Contractual warranty

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

Dimensions



Minimum Mounting Distances



Wiring Diagram



(1) (+)
(3) (-)
BN Brown
BU Blue