

# XXTK1A3M12

ultrasonic sensor parallelepipedic 16x30x74 -  
transmitter Sn 0.6 m - M12 connect



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XX                                   |
| Sensor type                   | Ultrasonic sensor transmitter                 |
| Series name                   | General purpose                               |
| Sensor name                   | XXT   |
| Sensor design                 | Flat form 74 x 30 x 16                        |
| Detection system              | Thru beam (need a receiver)                   |
| [Sn] nominal sensing distance | 0.61 m  |
| Material                      | Plastic                                       |
| Wiring technique              | 2-wire  |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection |
| Electrical connection         | Male connector M12 4 pins                     |
| [Sd] sensing range            | 0...0.61 m                                    |
| Beam angle                    | 6 °   |
| IP degree of protection       | IP67 conforming to IEC 60529                  |

## Complementary

|                                 |                               |
|---------------------------------|-------------------------------|
| Enclosure material              | ULTEM                         |
| Front material                  | Silicone                      |
| Supply voltage limits           | 10...28 V DC                  |
| [Sa] assured operating distance | 0...0.61 m                    |
| Transmission frequency          | 300 kHz                       |
| Repeat accuracy                 | 1.27 %                        |
| Minimum size of detected object | Cylinder diameter 38 mm 0.6 m |
| Current consumption             | 40 mA                         |
| Marking                         | CE                            |
| Height                          | 30 mm                         |
| Width                           | 17 mm                         |

|                |         |
|----------------|---------|
| Depth          | 85 mm   |
| Product weight | 0.05 kg |

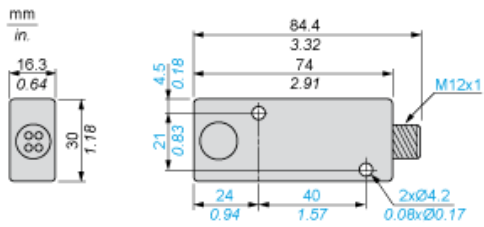
## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2  |
| Ambient air temperature for operation | 0...60 °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                   |

## Contractual warranty

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

Dimensions



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Minimum Mounting Distances

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$\alpha \pm 8^\circ$

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## Wiring Diagram

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