

# XXTF1A8M12L

Ultrasonic sensors XX, ultrasonic sensor parallelepipedic 7x19x33, transmitter Sn 0.2 m, M12 connector

## Main

|                               |                                          |
|-------------------------------|------------------------------------------|
| Range of Product              | Telemecanique Ultrasonic sensors XX      |
| Sensor Type                   | Ultrasonic sensor transmitter            |
| Series name                   | General purpose                          |
| Sensor name                   | XXT                                      |
| Sensor design                 | Flat form 33 x 19 x 7.6                  |
| Detection system              | Thru beam need a receiver)               |
| [Sn] nominal sensing distance | 0.7 ft (0.2 m)                           |
| Material                      | Plastic                                  |
| Wiring Technique              | 2-wire                                   |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection |
| Electrical connection         | Male connector M12 4 pins                |
| [Sd] sensing range            | 0.0000000000...0.7 ft (0...0.2 m)        |
| Beam angle                    | 10 °                                     |
| IP degree of protection       | IP67 conforming to IEC 60529             |

## Complementary

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Enclosure Material              | ULTEM                                  |
| Front material                  | Epoxy                                  |
| Supply voltage limits           | 10...28 V DC                           |
| [Sa] assured operating distance | 0.0000000000...0.7 ft (0...0.2 m)      |
| Transmission frequency          | 500 kHz                                |
| Repeat accuracy                 | 0.79 %                                 |
| Minimum size of detected object | Cylinder diameter 12 mm 0.7 ft (0.2 m) |
| Current consumption             | 50 mA                                  |
| Marking                         | CE                                     |
| Height                          | 0.7 in (19 mm)                         |
| Width                           | 0.3 in (8 mm)                          |
| Depth                           | 1.3 in (33 mm)                         |
| Net Weight                      | 0.09 lb(US) (0.04 kg)                  |

## Environment

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Standards                             | IEC 60947-5-2                            |
| Product Certifications                | UL                                       |
| Ambient Air Temperature for Operation | -4...149 °F (-20...65 °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  | 9.1 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

|                   |               |
|-------------------|---------------|
| Category          | US10DS222490  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389119127936 |
| Returnability     | No            |

## Packing Units

|                              |                     |
|------------------------------|---------------------|
| Unit Type of Package 1       | PCE                 |
| Number of Units in Package 1 | 1                   |
| Package 1 Height             | 1.61 in (4.1 cm)    |
| Package 1 Width              | 2.56 in (6.5 cm)    |
| Package 1 Length             | 3.74 in (9.5 cm)    |
| Package 1 Weight             | 1.306 oz (37.013 g) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | 435317c3-e86a-47b7-acde-88c832f96adb                                                                                                                                                                                                                                                                                                                                              |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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 |
|----------|-----------|