



## Main

|                               |   |
|-------------------------------|---|
| Range of Product              | Telemecanique Ultrasonic sensors XX   |
| Sensor Type                   | Ultrasonic sensor   |
| Series name                   | General purpose   |
| Sensor name                   | XXA   |
| Sensor design                 | Cylindrical M30   |
| Detection system              | Diffuse with 90° head)  |
| [Sn] nominal sensing distance | 3.28 Ft (1 m) adjustable with remote teach push-button<br>3.28 ft (1 m) software with kit |
| Material                      | Plastic   |
| Type of output signal         | Discrete  |
| Discrete output function      | 1 NO or 1 NC programmable   |
| Wiring Technique              | 5-wire  |
| Discrete output type          | PNP   |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection  |
| Electrical connection         | Male connector M12 5 pins   |
| [Sd] sensing range            | 0.51...3.28 ft (0.155...1 m)  |
| IP degree of protection       | IP65 conforming to IEC 60529<br>IP67  |

## Complementary

|   |   |
|---|---|
| Enclosure Material                                | PBT   |
| Front material                                    | Epoxy<br>Rubber<br>Resin                              |
| Supply voltage limits                             | 10...30 V DC  |
| Function Available                                | With synchronisation mode<br>Software configurable    |
| [Sa] assured operating distance                   | 0.51...3.28 ft (0.155...1 m) teach mode)              |
| Blind zone  | 6.10 in (155 mm)                                      |
| Transmission frequency                            | 120 kHz   |
| Repeat accuracy                                   | 0.1 %   |
| Deviation angle from 90° of object to be detected | -15...15 °  |
| Minimum size of detected object                   | Cylinder diameter 1 mm 3.28 ft (1 m)                  |
| Status LED  | Output state 1 LED yellow)<br>Echo state 1 LED green) |
| Current Consumption                               | 65 mA   |
| Maximum switching current                         | 100 mA overload and short-circuit protection          |
| Maximum voltage drop                              | 2 V   |
| Switching frequency                               | 11 Hz   |
| Setting-up  | Teach mode<br>Configurator software                   |
| Maximum delay first up                            | 120 ms  |
| Maximum delay response                            | 45 ms   |
| Maximum delay recovery                            | 45 ms   |
| Marking   | CE  |
| Threaded length                                   | 2.94 in (74.7 mm)                                     |
| Height  | 1.18 in (30 mm)                                       |

|            |                        |
|------------|------------------------|
| Width      | 1.18 in (30 mm)        |
| Depth      | 5.10 in (129.6 mm)     |
| Net Weight | 0.21 lb(US) (0.095 kg) |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-5-2<br>CSA C22.2 No 14<br>UL 508 |
| Product Certifications                | CULus<br>E2<br>EAC<br>RCM<br>Ecolab           |
| Ambient air temperature for operation | -13...158 °F (-25...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 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         | 2 kV IEC 61000-4-4                            |

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22489 - SENSORS XX ULTRASONIC GEN PURPOSE |
| Discount Schedule     | DS2                                       |
| GTIN                  | 3389119644556                             |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 4.76 oz (135 g)                           |
| Returnability         | Yes                                       |
| Country of origin     | US  |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.65 in (4.2 cm) |
| Package 1 width        | 3.74 in (9.5 cm) |
| Package 1 Length       | 5.12 in (13 cm)  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |

## Contractual warranty

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