

# XX630A2PCM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M30, Sn 2 m, NC+NO, PNP, M12 connector



## Main

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Range of Product              | Telemecanique Ultrasonic sensors XX             |
| Sensor Type                   | Ultrasonic sensor                               |
| Series name                   | General purpose                                 |
| Sensor name                   | XX6                                             |
| Sensor design                 | Cylindrical M30                                 |
| Detection system              | Diffuse                                         |
| [Sn] nominal sensing distance | 6.56 ft (2 m) adjustable with teach push-button |
| Material                      | Plastic                                         |
| Type of output signal         | Discrete                                        |
| Discrete output function      | 1 NC + 1 NO                                     |
| Wiring Technique              | 4-wire                                          |
| Discrete output type          | PNP                                             |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection        |
| Electrical connection         | Male connector M12 4 pins                       |
| [Sd] sensing range            | 0.39...6.56 ft (0.12...2 m)                     |
| Beam angle                    | 10 °                                            |
| IP degree of protection       | IP67 conforming to IEC 60529                    |

## Complementary

|                                                   |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| Enclosure Material                                | ULTEM                                             |
| Front material                                    | Silicone                                          |
| Thread type                                       | M30 x 1.5                                         |
| Supply voltage limits                             | 10...28 V DC                                      |
| Function Available                                | Without synchronisation mode                      |
| [Sa] assured operating distance                   | 0.39...6.56 ft (0.12...2 m) teach mode)           |
| Maximum differential travel                       | 0.10 in (2.5 mm)                                  |
| Blind zone                                        | 0.00...4.72 in (0...120 mm)                       |
| Transmission frequency                            | 200 kHz                                           |
| Repeat accuracy                                   | 0.9 %                                             |
| Deviation angle from 90° of object to be detected | -7...7 °                                          |
| Minimum size of detected object                   | Cylinder diameter 1.6 mm 2.08 ft (0.635 m)        |
| Status LED                                        | Setting-up assistance 1 LED green/red (flashing)) |
| Current Consumption                               | 100 mA                                            |
| Maximum switching current                         | 100 mA overload and short-circuit protection      |
| Maximum voltage drop                              | 1 V                                               |
| Switching frequency                               | <= 16 Hz                                          |
| Maximum delay first up                            | 720 ms                                            |
| Maximum delay response                            | 25 ms                                             |
| Maximum delay recovery                            | 20 ms                                             |
| Marking                                           | CE                                                |
| Threaded length                                   | 1.77 in (45 mm)                                   |
| Height                                            | 1.38 in (35 mm)                                   |
| Width                                             | 1.38 in (35 mm)                                   |

|            |                        |
|------------|------------------------|
| Depth      | 3.35 in (85 mm)        |
| Net Weight | 0.20 lb(US) (0.091 kg) |

## Environment

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Standards                             | IEC 60947-5-2                            |
| Product Certifications                | UL<br>cCSAus                             |
| Ambient air temperature for operation | 32...140 °F (0...60 °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

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule     | DS2                                |
| GTIN                  | 3389119129558                      |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 4.30 oz (122.016 g)                |
| Returnability         | Yes                                |
| Country of origin     | US                                 |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 1.61 in (4.1 cm)  |
| Package 1 width        | 3.78 in (9.6 cm)  |
| Package 1 Length       | 5.20 in (13.2 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>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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

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