

# XXS30P4PM12

Ultrasonic sensors XX, ultrasonic sensor, plastic, cylindrical M30, straight, 4 m, PNP

## Main

|                               |                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------|
| Range of Product              | Telemecanique Ultrasonic sensors XX                                                       |
| Sensor Type                   | Ultrasonic sensor                                                                         |
| Series name                   | General purpose                                                                           |
| Sensor name                   | XXS                                                                                       |
| Sensor design                 | Cylindrical M30                                                                           |
| Detection system              | Diffuse                                                                                   |
| [Sn] nominal sensing distance | 13.1 Ft (4 m) adjustable with remote teach push-button<br>13.1 ft (4 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            | 1.378...13.1 ft (0.420...4 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                   | 1.378...13.1 ft (0.420...4 m) teach mode)             |
| Blind zone                                        | 16.5 in (420 mm)                                      |
| Transmission frequency                            | 80 kHz                                                |
| Repeat accuracy                                   | 0.1 %                                                 |
| Deviation angle from 90° of object to be detected | -10...10 °                                            |
| Minimum size of detected object                   | Cylinder diameter 1 mm 5.9 ft (1.8 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                               | 2.7 Hz                                                |
| Setting-up                                        | Teach mode<br>Configurator software                   |
| Maximum delay first up                            | 250 ms                                                |
| Maximum delay response                            | 180 ms                                                |
| Maximum delay recovery                            | 180 ms                                                |
| Marking                                           | CE                                                    |
| Threaded length                                   | 2.9 in (74.7 mm)                                      |
| Height                                            | 1.2 in (30 mm)                                        |
| Width                                             | 1.6 in (40 mm)                                        |

|                |                     |
|----------------|---------------------|
| Depth          | 4.7 in (119 mm)     |
| Product Weight | 0.2 lb(US) (0.1 kg) |

## Environment

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| Standards                             | IEC 60947-5-2<br>CSA C22.2 No 14<br>UL 508 |
| Product Certifications                | cULus[RETURN]E2[RETURN]RCM[RETURN]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  | 9.1 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          | US10DS222489  |
| Discount Schedule | 0DS2          |
| GTIN              | 3389119644907 |
| Returnability     | No            |
| Country of origin | US            |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.65 in (4.2 cm)  |
| Package 1 Width              | 3.74 in (9.5 cm)  |
| Package 1 Length             | 5.12 in (13.0 cm) |
| Package 1 Weight             | 5.5 oz (156.0 g)  |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | F6413735-dd56-4d50-b668-c866b730fe14                                                                                                                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                           |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                                                                                                                                                                                                                          |

## Contractual warranty

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