

# Product data sheet

## Characteristics

# XX630A3NCM12

## ultrasonic sensor cylindrical M30 - Sn 8 m - NC + NO - M12 connector

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | OsiSense XX                                      |
| Sensor type                   | Ultrasonic sensor                                |
| Series name                   | General purpose                                  |
| Sensor name                   | XX6  |
| Sensor design                 | Cylindrical M30                                  |
| Detection system              | Diffuse  |
| [Sn] nominal sensing distance | 26.25 ft (8 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          | NPN  |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection    |
| Electrical connection         | Male connector M12 4 pins                        |
| [Sd] sensing range            | 0.98...26.25 ft (0.3..8 m)                       |
| Beam angle                    | 16 °   |
| IP degree of protection       | IP67 conforming to IEC 60529                     |

### Complementary

|   |  |
|---|--|
| Enclosure material                                | ULTEM  |
| Front material                                    | Epoxy  |
| Thread type                                       | M30 x 1.5  |
| Supply voltage limits                             | 10...28 V DC                                       |
| Function available                                | Without synchronisation mode                       |
| [Sa] assured operating distance                   | 0.3...8 m (teach mode)                             |
| Maximum differential travel                       | 0.5 in (12.7 mm)                                   |
| Blind zone  | 0...11.81 in (0...300 mm)                          |
| Transmission frequency                            | 75 kHz   |
| Repeat accuracy                                   | 2.54 %   |
| Deviation angle from 90° of object to be detected | -5...5 °   |
| Minimum size of detected object                   | Cylinder diameter 50.8 mm at 4.732 m               |
| Status LED  | 1 LED (green/red (flashing)) setting-up assistance |
| Current consumption                               | 50 mA  |
| Maximum switching current                         | 100 mA with overload and short-circuit protection  |
| Voltage drop                                      | < 1 V  |
| Switching frequency                               | <= 2 Hz  |
| Delay first up                                    | 800 ms   |
| Delay response                                    | 200 ms   |
| Delay recovery                                    | 200 ms   |
| Marking   | CE   |
| Threaded length                                   | 2.53 in (64.3 mm)                                  |
| Height  | 1.73 in (44 mm)                                    |
| Width   | 1.73 in (44 mm)                                    |
| Depth   | 4.65 in (118 mm)                                   |
| Product weight                                    | 0.24 lb(US) (0.11 kg)                              |

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## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2  |
| Product certifications                | UL<br>CCSAus   |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C)                              |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)                             |
| Vibration resistance                  | +/- 1 mm conforming to IEC 60068-2-6 10...55 Hz        |
| Shock resistance                      | 30 gn in all 3 axes 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  | 9.14 V/yd (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               |

## Ordering and shipping details

|                       |                                    |
|-----------------------|------------------------------------|
| Category              | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule     | DS2                                |
| GTIN                  | 00785901655084                     |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 0.4299999999999999                 |
| Returnability         | N                                  |
| Country of origin     | US                                 |

## Offer Sustainability

|                                  |  |
|----------------------------------|--|
| RoHS (date code: YYWW)           | Compliant - since 1140 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference contains SVHC above the threshold - Go to CaP for more details-<br><a href="#">Go to CaP for more details</a>            |
| Product end of life instructions | Available  |
| California proposition 65        | WARNING: This product can expose you to chemicals including:   |
| ----- Substance 1                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and  |
| ----- Substance 2                | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.         |
| ----- More information           | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

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

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