

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                   | XX2                                             |
| 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      | 2 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                       |
| Product specific application  | For 2 levels monitoring                         |
| [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                       | 0.1 in (2.5 mm)                                                                                                                       |
| Blind zone                                        | 0...4.72 in (0...120 mm)                                                                                                              |
| Transmission frequency                            | 200 kHz                                                                                                                               |
| Repeat accuracy                                   | 0.9 %                                                                                                                                 |
| Deviation angle from 90° of object to be detected | -10...10 °                                                                                                                            |
| Minimum size of detected object                   | Cylinder diameter 1.6 mm at 0.635 m                                                                                                   |
| Status LED                                        | 1 LED (green/red (flashing)) output state<br>1 LED (green/red (flashing)) setting-up assistance<br>1 LED (yellow) distance indication |
| Current consumption                               | 100 mA                                                                                                                                |
| Maximum switching current                         | 100 mA with overload and short-circuit protection                                                                                     |
| Voltage drop                                      | < 1 V                                                                                                                                 |
| Delay first up                                    | 1000 ms                                                                                                                               |
| Delay response                                    | 150 ms                                                                                                                                |
| Delay recovery                                    | 1000 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)       |
| Product weight | 0.2 lb(US) (0.091 kg) |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Standards                             | IEC 60947-5-2                                          |
| Product certifications                | UL<br>CCSAus                                           |
| Ambient air temperature for operation | 32...122 °F (0...50 °C)                                |
| Ambient air temperature for storage   | 14...176 °F (-10...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                  | 003389119128964                    |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 0.20000000000000001                |
| Returnability         | N                                  |
| Country of origin     | US                                 |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW)           | Compliant - since 0836 - 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 |
|-----------------|-----------|

# Mouser Electronics

Authorized Distributor

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[XX230A22NA00M12](#)