

Product availability: Stock - Normally stocked in distribution facility

Price\*: 98.00 USD

## Main

|                               |                                          |
|-------------------------------|------------------------------------------|
| Range of Product              | Telemecanique Ultrasonic sensors XX      |
| Sensor Type                   | Ultrasonic sensor                        |
| Series name                   | General purpose                          |
| Sensor name                   | XXV                                      |
| Sensor design                 | Cylindrical M18                          |
| Detection system              | Diffuse                                  |
| [Sn] nominal sensing distance | 0.16 Ft (0.05 m) fixed                   |
| Material                      | Metal                                    |
| Type of output signal         | Discrete                                 |
| Discrete output function      | 1 NO                                     |
| Wiring Technique              | 3-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            | 0.01...0.16 Ft (0.003...0.05 m)          |
| Beam angle                    | 10 °                                     |
| IP degree of protection       | IP67 conforming to IEC 60529             |

## Complementary

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| Enclosure Material                                | Brass                           |
| Front material                                    | Epoxy                           |
| Thread type                                       | M18 x 1                         |
| Supply voltage limits                             | 10...36 V DC                    |
| [Sa] assured operating distance                   | 0.01...0.16 Ft (0.003...0.05 m) |
| Maximum differential travel                       | 0.12 In (3 mm)                  |
| Blind zone                                        | 0.00...0.12 In (0...3 mm)       |
| Transmission frequency                            | 360 KHz                         |
| Repeat accuracy                                   | 1.5 %                           |
| Deviation angle from 90° of object to be detected | -8...8 °                        |

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Minimum size of detected object | Cylinder diameter 2 mm 0.07 ft (0.02 m)      |
| Status LED                      | Output state 1 LED yellow)                   |
| Current Consumption             | 15 mA                                        |
| Maximum switching current       | 200 MA overload and short-circuit protection |
| Maximum voltage drop            | 2 V                                          |
| Switching frequency             | <= 80 Hz                                     |
| Maximum delay first up          | 5 Ms                                         |
| Maximum delay response          | 4 Ms                                         |
| Maximum delay recovery          | 4 Ms                                         |
| Marking                         | CE                                           |
| Threaded length                 | 2.01 In (51 mm)                              |
| Maximum Height                  | 0.71 In (18 mm)                              |
| Maximum Width                   | 0.71 In (18 mm)                              |
| Maximum Depth                   | 2.95 In (75 mm)                              |
| Net Weight                      | 0.11 Lb(US) (0.05 kg)                        |

## Environment

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| Standards                             | IEC 60947-5-2                            |
| Product Certifications                | CULus                                    |
| Ambient Air Temperature for Operation | 32...140 °F (0...60 °C)                  |
| Ambient Air Temperature for Storage   | -40...176 °F (-40...80 °C)               |
| Vibration resistance                  | +/- 2 mm 10...55 Hz)IEC 60068-2-6        |
| Shock resistance                      | 50 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                  | 00785901774389                     |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 2.72 Oz (77.111 g)                 |
| Returnability         | Yes                                |
| Country of origin     | US                                 |

## Packing Units

|                        |                    |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE                |
| Package 1 Height       | 3.40 In (8.636 cm) |
| Package 1 width        | 1.60 In (4.064 cm) |
| Package 1 Length       | 3.40 In (8.636 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 |
|----------|-----------|

|                       |                |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|