

# XXRF1A8KAM12L

Ultrasonic sensors XX, ultrasonic sensor parallelepipedic 7x19x33, receiver, Sn 0.2 m 2 NO, M12 connec



## Main

|                               |   |
|-------------------------------|---|
| Range of Product              | Telemecanique Ultrasonic sensors XX       |
| Sensor Type                   | Ultrasonic sensor receiver                |
| Series name                   | General purpose                           |
| Sensor name                   | XXR                                       |
| Sensor design                 | Flat form 33 x 19 x 7.6                   |
| Detection system              | Thru beam need a transmitter XXTF1A8M12L) |
| [Sn] nominal sensing distance | 0.66 ft (0.2 m) fixed                     |
| Material                      | Plastic                                   |
| Type of output signal         | Discrete                                  |
| Discrete output function      | 2 NO                                      |
| Wiring Technique              | 4-wire                                    |
| Discrete output type          | PNP and NPN                               |
| [Us] rated supply voltage     | 12...24 V DC reverse polarity protection  |
| Electrical connection         | Male connector M12 4 pins                 |
| [Sd] sensing range            | 0.00...0.66 ft (0...0.2 m)                |
| IP degree of protection       | IP67 conforming to IEC 60529              |

## Complementary

|                                 |  |
|---------------------------------|--|
| Enclosure Material              | ULTEM  |
| Front material                  | Epoxy  |
| Supply voltage limits           | 10...28 V DC                                 |
| [Sa] assured operating distance | 0.00...0.66 ft (0...0.2 m)                   |
| Current Consumption             | 50 mA  |
| Maximum switching current       | 100 mA overload and short-circuit protection |
| Maximum voltage drop            | 1 V  |
| Switching frequency             | <= 125 Hz                                    |
| Maximum delay first up          | 100 ms                                       |
| Maximum delay response          | 20 ms  |
| Maximum delay recovery          | 4 ms   |
| Marking                         | CE   |
| Height                          | 0.75 in (19 mm)                              |
| Width                           | 0.31 in (8 mm)                               |
| Depth                           | 1.30 in (33 mm)                              |
| Net Weight                      | 0.09 lb(US) (0.04 kg)                        |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-5-2                            |
| Product Certifications                | UL                                       |
| Ambient Air Temperature for Operation | -4...149 °F (-20...65 °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                  | 3389119127738                    |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 1.31 oz (37.013 g)               |
| Returnability         | No                               |
| Country of origin     | US                               |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.61 in (4.1 cm) |
| Package 1 width        | 2.56 in (6.5 cm) |
| Package 1 Length       | 3.78 in (9.6 cm) |

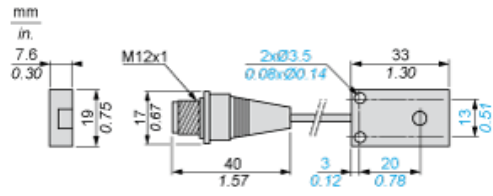
## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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 |
|----------|-----------|

Dimensions



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Minimum Mounting Distances

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Wiring Diagram

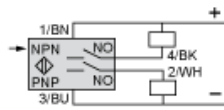
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M12



- (1) (+)
- (2) (PNP)
- (3) (-)
- (4) (NPN)

NPN, PNP, NO



- BN Brown
- WH White
- BU Blue
- BK Black