# Product data sheet
## Characteristics

# XXR12A8KAM8
## Ultrasonic sensors XX, ultrasonic sensor cylindrical M12, receiver, Sn 0.2 m, 2 NO, M8 connector



## Commercial status
End of commercialisation : NOV 01, 2020

⚠ End of commercialisation

## Main

| | |
|---|---|
| Range of product | Telemecanique Ultrasonic sensors XX |
| Sensor type | Ultrasonic sensor receiver |
| Series name | General purpose |
| Sensor name | XXR |
| Sensor design | Cylindrical M12 |
| Detection system | Thru beam (need a transmitter XXT12A8M12) |
| [Sn] nominal sensing distance | 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 with reverse polarity protection |
| Electrical connection | Male connector M8 4 pins |
| [Sd] sensing range | 0…0.2 M |
| IP degree of protection | IP67 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| Enclosure material | ULTEM |
| Front material | Epoxy |
| Thread type | M12 x 1 |
| Supply voltage limits | 10…28 V DC |
| [Sa] assured operating distance | 0…0.2 M |
| Current consumption | 50 mA |
| Maximum switching current | 100 MA with 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 |

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| | |
|---|---|
| Height | 12 Mm |
| Width | 12 Mm |
| Depth | 50 Mm |
| Net weight | 0.011 Kg |

## Environment

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|---|---|
| Standards | IEC 60947-5-2 |
| Product certifications | UL |
| Ambient air temperature for operation | -20…65 °C |
| Ambient air temperature for storage | -40…80 °C |
| Vibration resistance | +/-1 mm conforming to IEC 60068-2-6 (f = 10…55 Hz) |
| Shock resistance | 30 gn in all 3 axes for 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 | 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 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 29.983 G |
| Package 1 Height | 4.2 Cm |
| Package 1 width | 6.5 Cm |
| Package 1 Length | 9.6 Cm |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 885.0 G |
| Package 2 Height | 15 Cm |
| Package 2 width | 15 Cm |
| Package 2 Length | 40 Cm |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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

Product Life Status : End of commerc. - Block