

# XXR12A8KAM8

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



## 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	0.66 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 M8 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
Thread type	M12 x 1
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
Threaded length	1.50 in (38 mm)
Height	0.47 in (12 mm)
Width	0.47 in (12 mm)
Depth	1.97 in (50 mm)
Net Weight	0.02 lb(US) (0.011 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	3389119127790
Nbr. of units in pkg.	1
Package weight(Lbs)	1.06 oz (29.983 g)
Returnability	No
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	2.56 in (6.5 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	31.22 oz (885.0 g)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 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

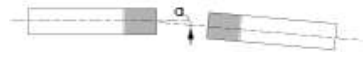
Warranty	18 months
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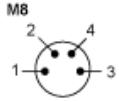
## Minimum Mounting Distances

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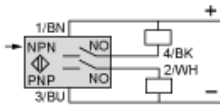
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## Wiring Diagram



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

NPN, PNP, NO



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