

# XXRF1A8KAM12L

ultrasonic sensor parallelepipedic 7x19x33 -  
receiver - Sn 0.2m 2NO - M12 connec

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Range of product	OsiSense 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 with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0...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...0.66 ft (0...0.2 m)
Current consumption	50 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	< 1 V
Switching frequency	<= 125 Hz
Delay first up	100 ms
Delay response	20 ms
Delay recovery	4 ms
Marking	CE
Height	0.75 in (19 mm)
Width	0.31 in (8 mm)
Depth	1.3 in (33 mm)
Product 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 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	003389119127738
Nbr. of units in pkg.	1
Package weight(Lbs)	8.0000000000000002E-2
Returnability	N
Country of origin	US

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1140 - 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- <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
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