

# XXRK1A4KBM12

ultrasonic sensor parallelepipedic 16x30x74 - receiver -Sn 1m - 2NC - M12 connec



## Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor receiver
Series name	General purpose
Sensor name	XXR
Sensor design	Flat form 74 x 30 x 16
Detection system	Thru beam (need a transmitter XXTK1A4M12)
[Sn] nominal sensing distance	1 m fixed
Material	Plastic
Type of output signal	Discrete
Discrete output function	2 NC
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...1 m
IP degree of protection	IP67 conforming to IEC 60529

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## Complementary

Enclosure material	ULTEM
Front material	Silicone
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0...1 m
Current consumption	40 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	< 1 V
Switching frequency	<= 40 Hz
Delay first up	100 ms
Delay response	10 ms
Delay recovery	10 ms
Marking	CE
Height	30 mm
Width	17 mm
Depth	85 mm
Product weight	0.05 kg

## Environment

Standards	IEC 60947-5-2
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 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

## Contractual warranty

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Warranty period	18 months
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