

# XXR12A8KAM8

ultrasonic sensor cylindrical M12 - receiver - Sn  
0.2 m - 2NO - M8 connector

## Main

Range of product	OsiSense 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
ISO thread	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
Voltage drop	< 1 V
Switching frequency	<= 125 Hz
Delay first up	100 ms
Delay response	20 ms
Delay recovery	4 ms
Marking	CE
Threaded length	38 mm
CAD overall height	12 mm
CAD overall width	12 mm
CAD overall depth	50 mm
Product weight	0.011 kg

## Environment

Standards	IEC 60947-5-2
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 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