Product datasheet
Characteristics

XXRK1A4KAM12
ultrasonic sensor parallelepipedic 16x30x74 - receiver -Sn 1m -2NO - 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 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...1 m
IP degree of protection	IP67 conforming to IEC 60529

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

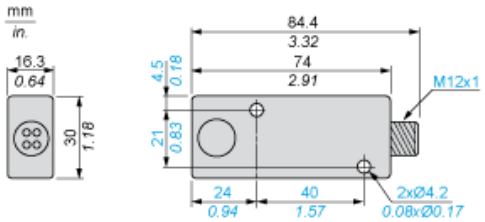
Standards	IEC 60947-5-2
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	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

Warranty period	18 months

XXRK1A4KAM12

Dimensions



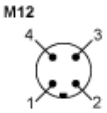
XXRK1A4KAM12

Minimum Mounting Distances

∝	±10°

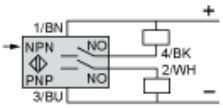
XXRK1A4KAM12

Wiring Diagram



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

NPN, PNP, NO



BN Brown
WH White
BU Blue
BK Black