XXR12A8KAM8

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

Green Premium™ Product

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
Thread type	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
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	38 mm
Height	12 mm
Width	12 mm
Depth	50 mm
Net weight	0.011 kg

Environment

Standards	IEC 60947-5-2
Product certifications	UL
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 (f = 10…55 Hz)
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27

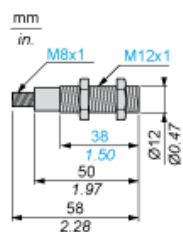| Resistance to electrostatic discharge	8 kV level 4 conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV level 3 conforming to IEC 61000-4-4

Packing Units

Package 1 Weight	90.718 g

Offer Sustainability

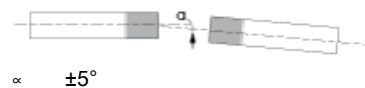| Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

Telemecanique
Sensors

Dimensions

XXR12A8KAM8

Minimum Mounting Distances

∝   ±5°

Telemecanique
Sensors
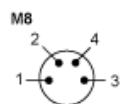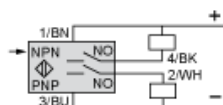
Wiring Diagram

M8

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

NPN, PNP, NO

BN   Brown
WH   White
BU   Blue
BK   Black