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
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
Voltage drop	< 1 V
Switching frequency	<= 125 Hz
Delay first up	100 ms
Delay response	20 ms
Delay recovery	4 ms
Marking	CE

1

Threaded length	38 mm
Height	12 mm
Width	12 mm
Depth	50 mm
Product weight	0.011 kg

Environment

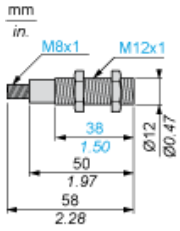|	
Standards	IEC 60947-5-2
Product certifications	UL
Ambient air temperature for operation	-20...65 °C
Ambient air temperature for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance 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

Offer Sustainability

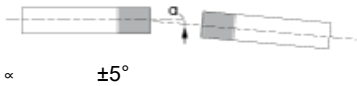|	
RoHS (date code: YYWW)	Compliant - since 1140 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months

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Dimensions

Minimum Mounting Distances

∝   ±5°

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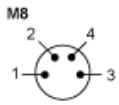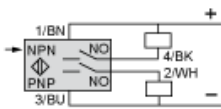## Wiring Diagram

M8

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

NPN, PNP, NO

BN   Brown
WH   White
BU   Blue
BK   Black