

XXRF1A8KAM12L

Ultrasonic sensors XX, ultrasonic sensor
parallelepipedic 7x19x33, receiver, Sn 0.2 m 2
NO, M12 connec



Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor receiver
Series name	General purpose
Sensor name	XXR
Sensor design	Flat form 33 x 19 x 7.6
Detection system	Thru beam (need a transmitter XXTF1A8M12L)
[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 M12 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
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
Height	19 mm
Width	8 mm
Depth	33 mm
Net weight	0.04 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.1 cm
Package 1 Width	6.5 cm
Package 1 Length	9.6 cm
Package 1 Weight	37.013 g

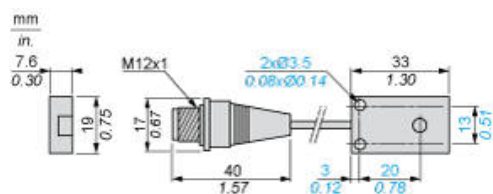
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

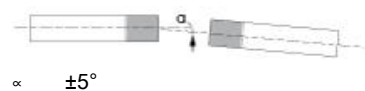
Contractual warranty

Warranty	18 months
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Dimensions



Minimum Mounting Distances



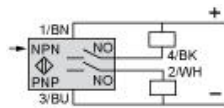
Wiring Diagram

M12



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

NPN, PNP, NO



BN Brown
WH White
BU Blue
BK Black