

# XX518A1KAM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, Sn 0.15 m, 2 NO, M12 connector



## Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX5
Sensor design	Cylindrical M18
Detection system	Diffuse
[Sn] nominal sensing distance	0.49 ft (0.15 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 reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.08...0.50 ft (0.025...0.152 m)
Beam angle	8 °
IP degree of protection	IP67 conforming to IEC 60529

## Complementary

Enclosure Material	ULTEM
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	10...28 V DC
[Sa] assured operating distance	0.08...0.50 ft (0.025...0.152 m)
Maximum differential travel	0.01 in (0.35 mm)
Blind zone	0.00...0.75 in (0...19 mm)
Transmission frequency	500 kHz
Repeat accuracy	0.7 %
Deviation angle from 90° of object to be detected	-10...10 °
Minimum size of detected object	Cylinder diameter 1.6 mm
Current Consumption	60 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum voltage drop	1 V
Switching frequency	<= 80 Hz
Maximum delay first up	350 ms
Maximum delay response	3 ms
Maximum delay recovery	3 ms
Marking	CE
Threaded length	2.01 in (51 mm)
Height	0.71 in (18 mm)
Width	0.71 in (18 mm)
Depth	2.56 in (65 mm)
Net Weight	0.07 lb(US) (0.033 kg)

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## Environment

Standards	IEC 60947-5-2
Product Certifications	cULus
Ambient air temperature for operation	32...122 °F (0...50 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Vibration resistance	+/-1 mm 10...55 Hz)IEC 60068-2-6
Shock resistance	30 gn in all 3 axes 11 ms IEC 60068-2-27
Resistance to electrostatic discharge	8 kV level 4 IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV level 3 IEC 61000-4-4

## Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389110277531
Nbr. of units in pkg.	1
Package weight(Lbs)	1.87 oz (53 g)
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.57 in (4 cm)
Package 1 width	3.35 in (8.5 cm)
Package 1 Length	3.39 in (8.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Weight	4.42 lb(US) (2.005 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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