## XX500A0KC00L3

# Ultrasonic sensors XX, ultrasonic sensor special, with options





#### Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX5
Sensor design	Cylindrical M12
Detection system	Diffuse
[Sn] nominal sensing distance	0.16 ft (0.05 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	1224 V DC reverse polarity protection
Electrical connection	Cable M8 4 pins, 9.84 ft (3 m)
[Sd] sensing range	0.020.17 ft (0.00640.051 m)
Beam angle	11 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary	
Enclosure material	ULTEM
Front material	Ероху
Thread type	M12 x 1
Supply voltage limits	1028 V DC
[Sa] assured operating distance	0.020.17 ft (0.00640.051 m)
Maximum differential travel	0.03 in (0.7 mm)
Blind zone	0.000.25 in (06.4 mm)
Transmission frequency	500 kHz
Repeat accuracy	0.7 %
Deviation angle from 90° of object to be detected	-1010 °
Minimum size of detected object	Cylinder diameter 2.5 mm Flat bar 1 mm wide
Status LED	Supply on 1 LED green) Output state 1 LED yellow)
Current consumption	25 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum voltage drop	1 V
Switching frequency	<= 125 Hz
Maximum delay first up	20 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Marking	CE
Threaded length	1.50 in (38 mm)
Height	0.47 in (12 mm)
Width	0.47 in (12 mm)
Maximum Depth	1.97 in (50 mm)
Net Weight	0.02 lb(US) (0.011 kg)

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#### Environment

Standards	IEC 60947-5-2	
Product certifications	UL	
Ambient air temperature for operation	-4149 °F (-2065 °C)	
Ambient air temperature for storage	-40176 °F (-4080 °C)	
Vibration resistance	+/-1 mm 1055 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	00785901589020
Nbr. of units in pkg.	1
Package weight(Lbs)	1.26 lb(US) (0.57 kg)
Returnability	Yes
Country of origin	US

## 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
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