

XX630A3HCM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M30, Sn=8 m, NO+NC PNP sync, M12



Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX6
Sensor design	Cylindrical M30
Detection system	Diffuse
[Sn] nominal sensing distance	26.25 ft (8 m) adjustable with teach push-button
Material	Plastic
Type of output signal	Discrete
Discrete output function	1 NC + 1 NO
Wiring Technique	5-wire
Discrete output type	PNP
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.98...26.25 ft (0.3...8 m)
Beam angle	16 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure Material	ULTEM
Front material	Epoxy
Thread type	M30 x 1.5
Supply voltage limits	10...28 V DC
Function Available	With synchronisation mode
[Sa] assured operating distance	0.98...26.25 ft (0.3...8 m) teach mode)
Maximum differential travel	0.50 in (12.7 mm)
Blind zone	0.00...11.81 in (0...300 mm)
Transmission frequency	75 kHz
Repeat accuracy	2.54 %
Deviation angle from 90° of object to be detected	-5...5 °
Minimum size of detected object	Cylinder diameter 50.8 mm 15.52 ft (4.732 m)
Status LED	Setting-up assistance 1 LED green/red (flashing))
Current Consumption	50 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum voltage drop	1 V
Switching frequency	<= 2 Hz
Maximum delay first up	800 ms
Maximum delay response	200 ms
Maximum delay recovery	200 ms
Marking	CE
Threaded length	2.53 in (64.3 mm)
Height	1.73 in (44 mm)
Width	1.73 in (44 mm)
Depth	4.65 in (118 mm)
Product Weight	0.24 lb(US) (0.11 kg)

Environment

Standards	IEC 60947-5-2
Product Certifications	CCSAus UL
Ambient Air Temperature for Operation	-4...140 °F (-20...60 °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	3389119629591
Nbr. of units in pkg.	1
Package weight(Lbs)	6.74 oz (191 g)
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.68 in (6.8 cm)
Package 1 width	5.20 in (13.2 cm)
Package 1 Length	3.78 in (9.6 cm)

Offer Sustainability

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

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