

# XXS30P8APM12

Ultrasonic sensor, plastic, cylindrical M30, straight, 8 m, 4...20 mA+PNP



## Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XXS
Sensor design	Cylindrical M30
Detection system	Diffuse
[Sn] nominal sensing distance	26.25 Ft (8 m) adjustable with teach push-button 26.25 ft (8 m) software with kit
Material	Plastic
Type of output signal	Analogue + discrete
Discrete output function	1 NO or 1 NC programmable
Wiring Technique	5-wire
Discrete output type	PNP
Analogue output function	4...20 mA
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.95...26.25 ft (0.290...8 m)
IP degree of protection	IP65 conforming to IEC 60529 IP67

## Complementary

Enclosure Material	PBT
Front material	Epoxy Rubber Resin
Thread type	M30 x 1.5
Supply voltage limits	10...30 V DC
Function Available	With synchronisation mode Software configurable
[Sa] assured operating distance	0.95...26.25 ft (0.290...8 m) teach mode)
Blind zone	11.42 in (290 mm)
Transmission frequency	75 kHz
Repeat accuracy	0.1 %
Deviation angle from 90° of object to be detected	-4...12 °
Minimum size of detected object	Cylinder diameter 12 mm 5.91 ft (1.8 m)
Status LED	Output state 1 LED green/yellow) Output state 1 LED multi-colour) Echo state 1 LED green)
Current Consumption	50 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum switching capacity	250 Ohm 12 V DC overload and short-circuit protection 850 Ohm 24 V DC
Maximum voltage drop	2 V
Switching frequency	<= 2 Hz
Setting-up	Teach mode Configurator software
Maximum delay first up	600 ms
Maximum delay recovery	500 ms

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Marking	CE CULus
Threaded length	1.70 in (43.2 mm)
Height	1.18 in (30 mm)
Width	1.70 in (43.2 mm)
Depth	4.58 in (116.3 mm)
Net Weight	0.31 lb(US) (0.14 kg)

## Environment

Standards	EN/IEC 60947-5-2 CSA C22.2 No 14 UL 508
Product Certifications	CULus E2 Ecolab
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °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 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	2 kV IEC 61000-4-4

## Ordering and shipping details

Category	22489 - SENSORS XX ULTRASONIC GEN PURPOSE
Discount Schedule	DS2
GTIN	3389119645010
Nbr. of units in pkg.	1
Package weight(Lbs)	7.20 oz (204.12 g)
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.64 in (6.7 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.24 in (13.3 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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