

# XXS18P1VM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, Sn=1 m, analog 0 10 V, SYNC, connector M12



## Main

Range of Product	Telemecanique Ultrasonic sensors XX
Sensor Type	Ultrasonic sensor
Series name	General purpose
Sensor name	XXS
Sensor design	Cylindrical M18
Detection system	Diffuse
[Sn] nominal sensing distance	3.3 Ft (1 m) adjustable with remote teach push-button 3.3 ft (1 m) software with kit
Material	Plastic
Type of output signal	Analogue
Wiring Technique	5-wire
Analogue output function	0...10 V
[Us] rated supply voltage	24 V DC reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.344...3.3 ft (0.105...1 m)
IP degree of protection	IP65 conforming to IEC 60529 IP67

## Complementary

Enclosure Material	PBT
Front material	Epoxy Rubber Resin
Supply voltage limits	14...30 V DC
Function Available	With synchronisation mode Software configurable
[Sa] assured operating distance	0.344...3.3 ft (0.105...1 m) teach mode)
Blind zone	4.1 in (105 mm)
Transmission frequency	200 kHz
Repeat accuracy	0.1 %
Deviation angle from 90° of object to be detected	-10...10 °
Minimum size of detected object	Cylinder diameter 1 mm 23.6 in (600 mm)
Status LED	Output state 1 LED yellow) Echo state 1 LED green)
Current consumption	30 mA
Maximum switching capacity	>= 1 kOhm overload and short-circuit protection
Setting-up	Teach mode Configurator software
Maximum delay first up	180 ms
Maximum delay recovery	100 ms
Marking	CE
Threaded length	1.8 in (45 mm)
Height	0.7 in (18 mm)
Width	0.7 in (18 mm)

Depth	2.5 in (64 mm)
Net Weight	0.073 lb(US) (0.033 kg)

## Environment

Standards	IEC 60947-5-2 CSA C22.2 No 14 UL 508
Product Certifications	E2[RETURN]cULus[RETURN]RCM[RETURN]Ecolab
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °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	9.1 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	US10DS222489
Discount Schedule	0DS2
GTIN	785901059721
Returnability	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.61 in (4.1 cm)
Package 1 Width	2.52 in (6.4 cm)
Package 1 Length	3.70 in (9.4 cm)
Package 1 Weight	1.235 oz (35.017 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes
Circularity Profile	No need of specific recycling operations