

XXS18P1AM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, Sn=1 m, analog 4 20 mA, 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	4...20 mA
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.344...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	10...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	250 Ohm 12 V DC overload and short-circuit protection 850 Ohm 24 V DC
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	RCM[RETURN]cULus[RETURN]E2[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	US1000T22413
Discount Schedule	000T
GTIN	785901059707
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

SCIP Number	C3a74cae-43e7-433c-ad70-82130e8f8430
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 Diisodecyl 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
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