Product data sheet
Characteristics

XXA30S1PM12

Ultrasonic sensors XX, ultrasonic sensor, stainless steel, cylindrical M30, angled, 1 m, PNP

Green Premium™ Product

Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XXA
Sensor design	Cylindrical M30
Detection system	Diffuse (with 90° head)
[Sn] nominal sensing distance	1 M adjustable with remote teach push-button 1 M software with kit
Material	Metal
Type of output signal	Discrete
Discrete output function	1 NO or 1 NC programmable
Wiring technique	5-wire
Discrete output type	PNP
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 5 pins
[Sd] sensing range	0.155…1 M
IP degree of protection	IP65 conforming to IEC 60529 IP67

Complementary

Enclosure material	Stainless steel 316L
Front material	Epoxy Rubber Resin
Supply voltage limits	10…30 V DC
Function available	With synchronisation mode Software configurable
[Sa] assured operating distance	0.155…1 M (teach mode)
Blind zone	155 Mm
Transmission frequency	120 KHz
Repeat accuracy	0.1 %
Deviation angle from 90° of object to be detected	-15…15 °
Minimum size of detected object	Cylinder diameter 1 mm at 1 m
Status LED	Output state: 1 LED (yellow) Echo state: 1 LED (green)
Current consumption	65 mA

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Maximum switching current	100 MA with overload and short-circuit protection
Maximum voltage drop	2 V
Switching frequency	11 Hz
Setting-up	Teach mode Configurator software
Maximum delay first up	120 Ms
Maximum delay response	45 Ms
Maximum delay recovery	45 Ms
Marking	CE
Threaded length	74.7 Mm
Height	30 Mm
Width	30 Mm
Depth	129.6 Mm
Product weight	0.17 Kg

Environment

Standards	EN/IEC 60947-5-2 CSA C22.2 No 14 UL 508
Product certifications	CULus E2 EAC RCM Ecolab
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 (f = 10…55 Hz)
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	8 KV conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/M level 3 conforming to IEC 61000-4-3
Resistance to fast transients	2 KV conforming to IEC 61000-4-4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	235 G
Package 1 Height	13 Cm
Package 1 width	4.1 Cm
Package 1 Length	9.5 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
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
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

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Warranty	18 months

Product Life Status :   Commercialised

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Authorized Distributor

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