

XX6V3A1PAM12

ultrasonic sensor cylindrical M30 - Sn 1 m - NO
- M12 connector



Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX6
Material	Plastic
Sensor design	Cylindrical M30
Type of output signal	Discrete
Wiring techniques	3 wires
Us rated supply voltage	12...24 V DC with reverse polarity protection
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	4 pins M12 male connector
Sd sensing range	0.1...1 m
Beam angle	7 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	Valox
Front material	Epoxy
ISO thread	M30 x 1.5
Supply voltage limits	10 - 28 V DC
Sa assured operating distance	0.1 - 1 m (teach mode)
Maximum differential travel	2.5 mm
Blind zone	0...100 mm
Transmission frequency	180 kHz
Repeat accuracy	0.9 %
Deviation angle from 90°	-7...7 °
Min size of detected object	Cylinder diameter 50.8 mm up to 1 m sensing distance
Status LED	1 LED (dual colour) for setting-up assistance 1 LED (green) for supply on 1 LED (yellow) for output state
Current consumption	60 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	< 1.5 V
Switching frequency	<= 70 Hz
Delay first up	75 ms
Delay response	15 ms
Delay recovery	75 ms
Marking	CE
Threaded length	37 mm
CAD overall height	77 mm
CAD overall width	30 mm
Product weight	0.09 kg

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Environment

Standards	IEC 60947-5-2
Ambient air temp for op	0...70 °C
Ambient air temp for storage	-40...80 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10 - 55 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resist electrostatic dischrq	8 kV level 4 conforming to IEC 61000-4-2
Resist to electromagn fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV level 3 conforming to IEC 61000-4-4

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