XX2V3A1PFM12
ULTRASONIC DUAL LEVEL SENSOR 2 NO 4 WIRES M30

Green Premium™ Product

Main

Range of product	OsiSense XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX2
Sensor design	Cylindrical M30
Detection system	Diffuse
[Sn] nominal sensing distance	26.25 ft (8 m) adjustable with teach push-button
Material	Plastic
Type of output signal	Discrete
Discrete output function	2 NO
Wiring technique	4-wire
Discrete output type	PNP
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Electrical connection	Male connector M12 4 pins
Product specific application	For 2 levels monitoring
[Sd] sensing range	0.98…26.25 ft (0.3…8 m)
Beam angle	16 °
IP degree of protection	IP67 IEC 60529

Complementary

Enclosure material	ULTEM
Front material	Silicone
Thread type	M30 x 1.5
Supply voltage limits	10…28 V DC
Function available	Without synchronisation mode
[Sa] assured operating distance	0.98…26.25 ft (0.3…8 m) teach mode)
Maximum differential travel	0.50 in (12.7 mm)
Blind zone	0.00…11.81 in (0…300 mm)
Transmission frequency	75 kHz
Repeat accuracy	2.54 %
Deviation angle from 90° of object to be detected	-5…5 °
Minimum size of detected object	Cylinder diameter 50.8 mm 15.52 ft (4.732 m)
Status LED	Output state 1 LED green/red (flashing)) Setting-up assistance 1 LED green/red (flashing)) Distance indication 1 LED yellow)
Current consumption	100 mA
Maximum switching current	100 mA overload and short-circuit protection
Maximum voltage drop	1 V
Maximum delay first up	1000 ms
Maximum delay response	150 ms
Maximum delay recovery	1000 ms
Marking	CE
Threaded length	2.53 in (64.3 mm)
Maximum Height	1.73 in (44 mm)
Maximum Width	1.73 in (44 mm)

Maximum Depth	4.65 in (118 mm)
Net Weight	0.24 lb(US) (0.11 kg)

Environment

Standards	IEC 60947-5-2
Product certifications	UL CCSAus
Ambient air temperature for operation	-4…140 °F (-20…60 °C)
Ambient air temperature for storage	14…176 °F (-10…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	9.14 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	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	03389119128698
Package weight(Lbs)	0.29 lb(US) (0.13 kg)
Returnability	No
Country of origin	US

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
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
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months