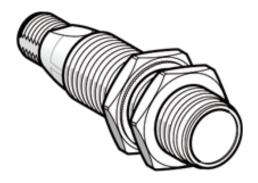
Product datasheet Characteristics

XX218A3NHM12

ultrasonic sensor cylindrical M18 - 2 emptying levels - Sn 0.5 m - NO - M12



Main

Mani		
Range of product	OsiSense XX	
Sensor type	Ultrasonic sensor	**************************************
Series name	Application	
Sensor name	XX2	,
Sensor design	Cylindrical M18	
Detection system	Diffuse	1
[Sn] nominal sensing distance	0.5 m adjustable with remote teach push-button	
Material	Plastic	
Type of output signal	Discrete	
Discrete output function	1 NO	
Wiring technique	3-wire	
Discrete output type	NPN	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	9
Electrical connection	Male connector M12 4 pins	
Product specific application	For 2 emptying levels monitoring	2 2.
[Sd] sensing range	0.0510.508 m	
Beam angle	6 °	
IP degree of protection	IP67 conforming to IEC 60529	4

Complementary

Enclosure material	Valox	
Front material	Ероху	
Thread type	M18 x 1	
Supply voltage limits	1028 V DC	
[Sa] assured operating distance	0.0510.508 m (teach mode)	
Maximum differential travel	2.5 mm	i
Blind zone	051 mm	

Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Deviation angle from 90° of object to be detected	-77 °
Minimum size of detected object	Cylinder diameter 2.5 mm 0.15 m
Status LED	LED (dual colour) for setting-up assistance LED (green) for supply on LED (yellow) for output state
Current consumption	40 mA
Maximum switching current	100 mA with overload and short-circuit protection
Voltage drop	<1 V
Delay first up	100 ms
Delay response	15 ms
Delay recovery	1000 ms
Marking	CE
Threaded length	43 mm
Height	18 mm
Width	18 mm
Depth	79 mm
Product weight	0.033 kg

Environment

Standards	IEC 60947-5-2
Ambient air temperature for operation	-2065 °C
Ambient air temperature for storage	-4080 °C
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 1055 Hz
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	8 kV level 4 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	1 kV level 3 conforming to IEC 61000-4-4

Contractual warranty

Warranty period	18 months