Product data sheet
Characteristics

XX318AU08EKAM12
Ultrasonic sensors XX, ultrasonic sensor cylindrical m18 12, 24 V

Main

Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor
Series name	General purpose
Sensor name	XX3
Sensor design	Cylindrical M18
Detection system	Diffuse
[Sn] nominal sensing distance	0.0381 m fixed
Material	Plastic
Type of output signal	Discrete
Discrete output function	1 NO
Wiring technique	4-wire
Discrete output type	PNP/NPN
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	0.038…0.0508 m
Beam angle	10 °
IP degree of protection	IP67 conforming to IEC 60529

Complementary

Enclosure material	PEI
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	10…28 V DC
[Sa] assured operating distance	0.038…0.0508 m
Maximum differential travel	12.7 mm
Blind zone	0…31.8 mm
Minimum size of detected object	Cylinder diameter 50.8 mm at 4.732 m
Status LED	Supply on: 1 LED (green) Output state: 1 LED (amber)
Current consumption	100 mA
Maximum switching current	100 mA with overload and short-circuit protection
Maximum voltage drop	1 V
Maximum delay first up	20 ms
Maximum delay response	1.5 ms
Maximum delay recovery	1.5 ms
Marking	CE
Height	18 mm
Width	18 mm
Depth	95.5 mm

Environment

Standards	IEC 60947-5-2
Product certifications	UL[RETURN]cCSAus
Ambient air temperature for operation	0…50 °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 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	4.0 cm
Package 1 Length	6.5 cm
Package 1 Weight	40.0 g

Offer Sustainability

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com