XXR18A3KAM12

Ultrasonic sensors XX, ultrasonic sensor cylindrical M18, receiver, Sn 0.6 m, 2 NO, M12 connector



Main

TTIGHT	
Range of product	Telemecanique Ultrasonic sensors XX
Sensor type	Ultrasonic sensor receiver
Series name	General purpose
Sensor name	XXR
Sensor design	Cylindrical M18
Detection system	Thru beam (need a transmitter XXT18A3M12)
[Sn] nominal sensing distance	0.6 m fixed
Material	Plastic
Type of output signal	Discrete
Discrete output function	2 NO
Wiring technique	4-wire
Discrete output type	PNP and NPN
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Electrical connection	Male connector M12 4 pins
[Sd] sensing range	00.6 m
IP degree of protection	IP67 conforming to IEC 60529
	·

Complementary

o o in promortion y	
Enclosure material	ULTEM
Front material	Silicone
Thread type	M18 x 1
Supply voltage limits	1028 V DC
[Sa] assured operating distance	00.6 m
Current consumption	40 mA
Maximum switching current	100 mA with overload and short-circuit protection
Maximum voltage drop	1 V
Switching frequency	<= 40 Hz
Maximum delay first up	100 ms
Maximum delay response	10 ms
Maximum delay recovery	10 ms
Marking	CE
Threaded length	51 mm
Height	18 mm
Width	18 mm
Depth	65 mm
Net weight	0.033 kg

Environment

IEC 60947-5-2	
UL	
060 °C	
-4080 °C	
+/-1 mm conforming to IEC 60068-2-6 (f = 1055 Hz)	
30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27	
	UL 060 °C -4080 °C +/-1 mm conforming to IEC 60068-2-6 (f = 1055 Hz)

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 cm
Package 1 Width	8.8 cm
Package 1 Length	8.8 cm
Package 1 Weight	52 g
Unit Type of Package 2	S01
Number of Units in Package 2	5
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	605 g

Offer Sustainability

Sustainable offer status	Green Premium product
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

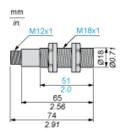
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

XXR18A3KAM12

Dimensions



Product data sheet Mounting and Clearance

XXR18A3KAM12

Minimum Mounting Distances



∝ ±8°

Product data sheet Connections and Schema

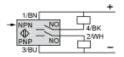
XXR18A3KAM12

Wiring Diagram



(1) (+) (2) (PNP) (3) (-) (4) (NPN)

NPN, PNP, NO



BN Brown WH White

BU Blue BK Black