Product datasheet

Specifications



photo-electric sensor - XUX - receiver - Sn 40m - 12..24VDC - terminals

XUX2APBNT16R

Discontinued on: 01 November 2020

Discontinued

XUX2APBNT16R has not been replaced. Please contact your customer care centre for more information.

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	Screw-clamp terminals, 1 x 1.5 mm² or 1 x 0.75 mm² with adaptor
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	40 m thru beam need a transmitter XUX0AKSAT16T

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	60 m thru beam
Output type	Solid state
Add on output	Without
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 7…10 mm
Status LED	1 LED (yellow) for output state 1 LED (green) for supply
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10…36 V DC

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Sensitivity adjustment
Depth	77 mm
Height	92 mm
Width	31 mm
Net weight	0.2 kg

Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	181.0 g
Package 1 Height	4.2 cm
Package 1 width	9.6 cm
Package 1 Length	13.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	4.437 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	S01
Number of Units in Package 3	5
Package 3 Weight	1.13 kg
Package 3 Height	15 cm
Package 3 width	15 cm
Package 3 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
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

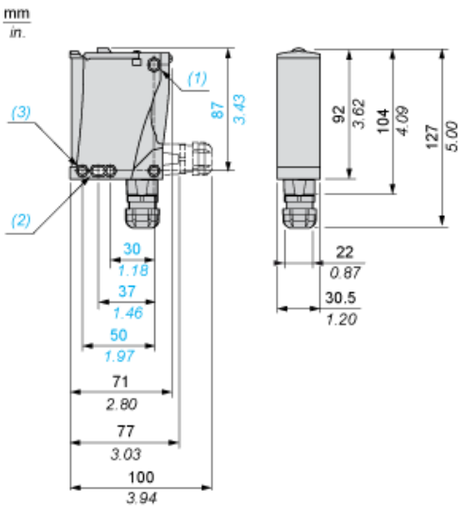
Contractual warranty

Warranty	18 months

Product datasheet XUX2APBNT16R

Dimensions Drawings

Dimensions



(1) Elongated hole Ø 5.5 x 7
(2) Elongated hole Ø 5.5 x 9
(3) Ø 5.5 hole

Wiring Schemes

PNP/NPN DC

M12		Terminals		
1		1		+
3		2		-
4		3		Output

Product datasheet XUX2APBNT16R

Performance Curves

Detection Curves

