

# XUX0AKSAT16T

Photoelectric sensors XU, XUX, emitter, 12...24 VDC, terminals



## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor transmitter
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Thru beam
Material	Plastic
Supply circuit type	DC
Wiring technique	3-wire
Electrical connection	Screw-clamp terminals, 1 x 1.5 mm <sup>2</sup> or 1 x 0.75 mm <sup>2</sup> with adaptor
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	40 m thru beam need a receiver

## Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	60 m thru beam
Add on input	Test by emission breaking
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 7...10 mm
Status LED	1 LED (green) for supply on
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...36 V DC
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	20 mA no-load
Maximum delay first up	200 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Depth	77 mm
Height	92 mm
Width	31 mm
Net weight	0.2 kg

## Environment

Product certifications	CSA[RETURN]CE[RETURN]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 Height	4.200 cm
Package 1 Width	9.500 cm
Package 1 Length	13.000 cm
Package 1 Weight	183.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	2.227 kg

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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Dimensions



- (1) Elongated hole  $\text{\O} 5.5 \times 7$
- (2) Elongated hole  $\text{\O} 5.5 \times 9$
- (3)  $\text{\O} 5.5$  hole

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## Wiring Schemes

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### Transmitter DC

M12		Terminals		
1	●	1	⊘	+
3	●	2	⊘	-
2	●	3	⊘	Beam break input (1)

(1) Input not connected: beam made. Input connected to -: beam broken.

Detection Curves

