XUX0AKSAT16T

photo-electric sensor - XUX - emitter - 12..24VDC - terminals





Main

Range of product	OsiSense 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 2 or 1 x 0.75 mm 2 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: 710 mm	
Status LED	1 LED (green) for supply on	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	1036 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
	CE
	UL
Ambient air temperature for operation	-2555 °C
Ambient air temperature for storage	-4070 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 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	183 g	
Package 1 Height	4.2 cm	
Package 1 width	9.5 cm	
Package 1 Length	13 cm	
Unit Type of Package 2	S01	
Number of Units in Package 2	11	
Package 2 Weight	2.247 kg	
Package 2 Height	15 cm	
Package 2 width	15 cm	
Package 2 Length	40 cm	

Offer Sustainability

Sustainable offer status	Green Premium product REACh Declaration Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration Yes	
REACh Regulation		
EU RoHS Directive		
Mercury free		
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☐ End of Life Information	

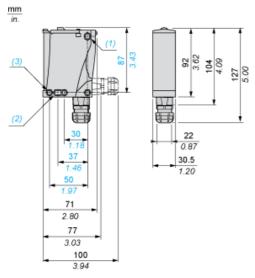
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

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Dimensions



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

Product data sheet Connections and Schema

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Wiring Schemes

Transmitter DC

M12		Terminals		
1	•	1	\oslash	+
3	•	2	0	-
2	•	3	\oslash	Beam break input (1)

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

Product data sheet Performance Curves

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Detection Curves

