

XUX0AKSAM12T

photo-electric sensor - XUX - emitter - 12..24VDC - M12



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	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	40 m thru beam need a receiver

Complementary

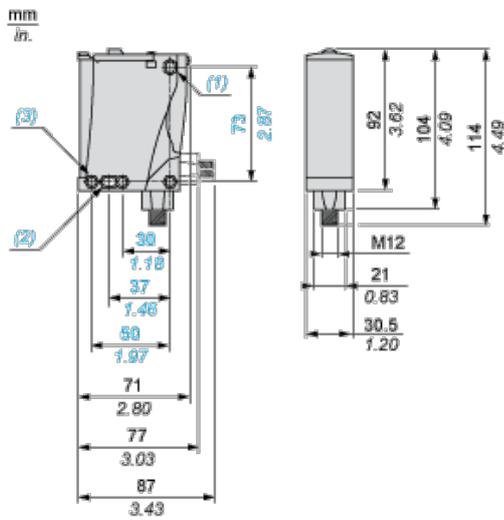
Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	60 m thru beam
Add on input	Test by emission breaking
Status LED	1 LED (green) for supply on
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...36 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	20 mA (no-load)
Delay first up	< 200 ms
Delay response	< 2 ms
Delay recovery	< 2 ms
Setting-up	Without sensitivity adjustment
Depth	77 mm
Height	92 mm
Width	31 mm
Product 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

Offer Sustainability

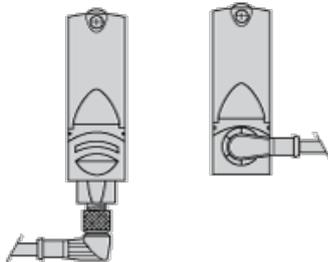
Dimensions



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

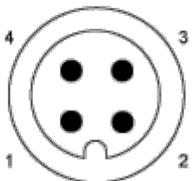
Mounting and Clearance

Possible Orientation of Elbowed Connector (Rear View)



Wiring Schemes

M12 Connector



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

