Product data sheet
Characteristics

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 mm² or 1 x 0.75 mm² with adaptor
Product Specific Application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	131.23 ft (40 m) thru beam need a receiver

Complementary

Enclosure Material	PBT
Lens material	PMMA
Maximum sensing distance	196.85 ft (60 m) thru beam
Add on input	Test by emission breaking
Cable entry	1 entry for M16 x 1.5 cable gland 0.28…0.39 in (7…10 mm)
Status LED	1 LED green)supply on
[Us] rated supply voltage	12...24 V DC 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	3.03 in (77 mm)
Height	3.62 in (92 mm)
Width	1.22 in (31 mm)
Net Weight	0.44 lb(US) (0.2 kg)

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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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product Certifications	CSA CE UL
Ambient air temperature for operation	-13…131 °F (-25…55 °C)
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 double insulation IEC 60529 IP67 double insulation IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901582359
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.74 in (9.5 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	4.91 lb(US) (2.227 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

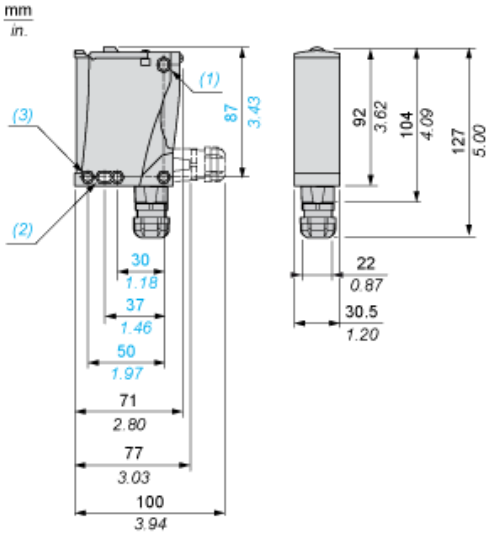
Offer Sustainability

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
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

Dimensions



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

Wiring Schemes

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

