## Product data sheet Characteristics

## XUX2APBNM12R

photo-electric sensor - XUX - receiver - Sn 40m - 12..24VDC - M12





#### Main

Range of product	OsiSense 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	1 male connector M12, 4 pins	
Product specific application	-	
Emission	Infrared thru beam	
[Sn] nominal sensing distance	131.23 ft (40 m) thru beam need a transmitter XUX0AKSAM12T	

#### Complementary

Complementary		
Enclosure material	PBT	
Lens material	РММА	
Maximum sensing distance	196.85 ft (60 m) thru beam	
Output type	Solid state	
Add on output	Without	
Status LED	LED yellow)output state     LED green)supply	
[Us] rated supply voltage	1224 V DC 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	<= 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	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)	

## Environment

Product certifications	CE CSA UL	
Ambient air temperature for operation	-13131 °F (-2555 °C)	
Ambient air temperature for storage	-40158 °F (-4070 °C)	
Vibration resistance	7 gn +/- 1.5 mm 1055 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	00785901489931	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.39 lb(US) (0.18 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	3.82 in (9.7 cm)	
Package 1 Length	5.20 in (13.2 cm)	

## Offer Sustainability

ustainable 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)	
Mercury free	Yes	
RoHS exemption information	₽¥Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☐ End Of Life Information	

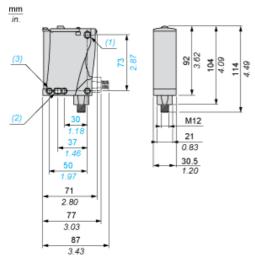
## Contractual warranty

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Warranty	18 months
Trairie	To monate

# Product data sheet **Dimensions Drawings**

# XUX2APBNM12R

## **Dimensions**



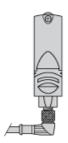
- (1) Elongated hole Ø 5.5 x 7
- (2) Elongated hole Ø 5.5 x 9 (3) Ø 5.5 hole

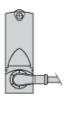
# Product data sheet Mounting and Clearance

# XUX2APBNM12R

## Mounting and Clearance

Possible Orientation of Elbowed Connector (Rear View)



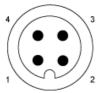


## Product data sheet Connections and Schema

# XUX2APBNM12R

## Wiring Schemes

## M12 Connector



## PNP/NPN DC

M12		Terminals		
1	•	1	$\oslash$	+
3	•	2	$\oslash$	-
4	•	3	$\oslash$	Output

# Product data sheet Performance Curves

# XUX2APBNM12R

## **Detection Curves**

