## Product data sheet Characteristics

## XUK5APBNM12

photo-electric sensor - XUK - diffuse - Sn 1m - 12..24VDC - M12





#### Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse
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 diffuse
[Sn] nominal sensing distance	3.28 ft (1 m) diffuse

#### Complementary

Complementary		
Enclosure material	PBT	
Lens material	PMMA	
Maximum sensing distance	4.92 ft (1.5 m) diffuse	
Output type	Solid state	
Wire insulation material	PVC	
Status LED	1 LED yellow)output state	
[Us] rated supply voltage	1224 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	Without sensitivity adjustment	
Depth	1.97 in (50 mm)	
Height	1.97 in (50 mm)	
Maximum Width	0.71 in (18 mm)	
Net Weight	0.42 lb(US) (0.19 kg)	
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### Environment

Product certifications	CSA UL CE
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

## Ordering and shipping details

Category	21571 - SENSORS, ELECTRONIC BASIC XU & XS	
Discount Schedule	DS2	
GTIN	00785901530695	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.14 lb(US) (0.06 kg)	
Returnability	No	
Country of origin	ID	

## Packing Units

Package 1 Height	0.420 dm
Package 1 width	0.960 dm
Package 1 Length	0.660 dm

## 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) EPEU RoHS  Declaration
Mercury free	Yes
RoHS exemption information	€Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

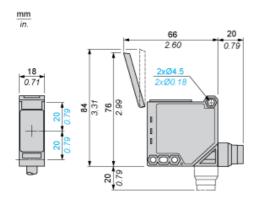
## Contractual warranty

Warranty	18 months
Waitanty	18 months

# Product data sheet Dimensions Drawings

# XUK5APBNM12

### **Dimensions**

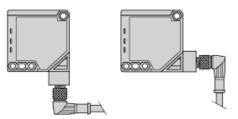


# Product data sheet Mounting and Clearance

# XUK5APBNM12

## Mounting and Clearance

### Possible Orientation of Elbowed Connector

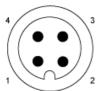


## Product data sheet Connections and Schema

# XUK5APBNM12

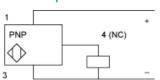
## Wiring Schemes

### M12 Connector



1: (+) 3: (-) 4: OUT/Output

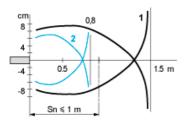
## PNP Outputs



# Product data sheet Performance Curves

# XUK5APBNM12

### **Detection Curves**



1: White 90% 2: Grey 18% Object 10 x 10 cm