## Product data sheet Characteristics

# XUK9ANANM12

photo-electric sensor - XUK - polarised - Sn 5m - 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	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	19.69 ft (6 m) polarised reflex need reflector XUZC50

#### Complementary

Complementary		
Enclosure material	PBT	
Lens material	РММА	
Maximum sensing distance	26.25 ft (8 m) polarised reflex	
Output type	Solid state	
Wire insulation material	PVC	
Status LED	1 LED yellow)output state	
[Us] rated supply voltage	1224 V DC reverse polarity protection	
Supply voltage limits	1036 V	
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)	

### Environment

Product certifications	UL CE CSA	
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

21571 - SENSORS, ELECTRONIC BASIC XU & XS	
DS2	
00785901545408	
1	
1 lb(US) (0.45 kg)	
No	
ID	
	DS2 00785901545408 1 1 1 lb(US) (0.45 kg) No

## Packing Units

Package 1 Height	0.420 dm
Package 1 width	0.960 dm
Package 1 Length	0.670 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

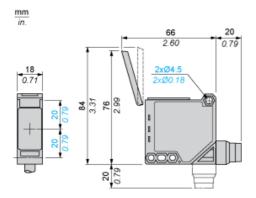
## Contractual warranty

Warranty	18 months

# Product data sheet Dimensions Drawings

# XUK9ANANM12

### **Dimensions**

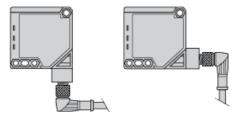


# Product data sheet Mounting and Clearance

# XUK9ANANM12

## Mounting and Clearance

### Possible Orientation of Elbowed Connector

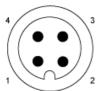


# Product data sheet Connections and Schema

# XUK9ANANM12

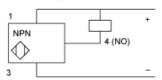
## Wiring Schemes

### M12 Connector



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

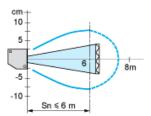
## **NPN** Outputs



# Product data sheet Performance Curves

# XUK9ANANM12

### **Detection Curves**



With reflector XUZC50