# Product data sheet Characteristics

# XUB9BPBNM12

photo-electric sensor - XUB - polarised - Sn 2m - 12..24VDC - M12





#### Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Polarised reflex
Material	Metal
Line of sight type	Axial
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	Red polarised reflex
[Sn] nominal sensing distance	6.56 ft (2 m) polarised reflex need reflector XUZC50

### Complementary

Complementary		
Enclosure material	Nickel Plated Brass	
Lens material	PMMA	
Maximum sensing distance	9.84 ft (3 m) polarised reflex	
Output type	Solid state	
Add on output	Without	
Wire insulation material	PvR	
Status LED	1 LED yellow)output state	
[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	<= 500 Hz	
Maximum voltage drop	<1.5 V closed state)	
Current consumption	35 mA no-load	
Maximum delay first up	15 ms	
Maximum delay response	1 ms	
Maximum delay recovery	1 ms	
Setting-up	Without sensitivity adjustment	
Diameter	0.71 in (18 mm)	
Length	2.44 in (62 mm)	
Net Weight	0.11 lb(US) (0.05 kg)	

#### 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	IP67 double insulation IEC 60529	
	IP65 double insulation IEC 60529	
	IP69K double insulation DIN 40050	

## Ordering and shipping details

Category	22415 - SENSORS, PHOTOELECTRIC, BASIC
Discount Schedule	DS2
GTIN	00785901821618
Nbr. of units in pkg.	1
Package weight(Lbs)	0.11 lb(US) (0.05 kg)
Returnability	Yes
Country of origin	FR

### Packing Units

r doking office	
Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	3.62 in (9.2 cm)
Package 1 Length	1.73 in (4.4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Weight	2.94 lb(US) (1.333 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)
Mercury free	Yes
RoHS exemption information	€Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

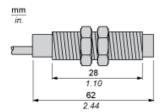
#### Contractual warranty

- Contraction from the first of	
Warranty	18 months

# Product data sheet Dimensions Drawings

# XUB9BPBNM12

### **Dimensions**

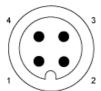


# Product data sheet Connections and Schema

# XUB9BPBNM12

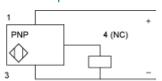
## Wiring Schemes

### M12 Connector



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

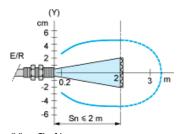
## PNP Outputs



# Product data sheet Performance Curves

# XUB9BPBNM12

### **Detection Curves**



(Y) Ø of beam With reflector XUZC50