# XUBLBPCNM12R



### Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor receiver
Sensor name	XUB
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Metal
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red laser thru beam (class 1), wavelength: 2.6378E-05 in (670 nm) conforming to IEC 60825-1
[Sn] nominal sensing distance	0328.08 ft (0100 m) thru beam need a transmitter XUBLBKCNM12T

## Complementary

Enclosure material	Nickel plated brass	
Lens material	PMMA	
Output type	Solid state	_
Status LED	1 LED (green) supply on 1 LED (red) stability 1 LED (yellow) output state	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	1030 V DC	_
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)	_
Switching frequency	<= 1500 Hz	_
Voltage drop	<= 1.5 V (closed state)	
Current consumption	25 mA (no-load)	
Delay first up	< 80 ms	
Delay response	< 0.4 ms	
Delay recovery	< 0.4 ms	
Diameter	0.71 in (18 mm)	
Length	2.99 in (76 mm)	
Product weight	0.15 lb(US) (0.07 kg)	

### **Environment**

product certifications	CE CSA UL
ambient air temperature for operation	14113 °F (-1045 °C)
ambient air temperature for storage	-40158 °F (-4070 °C)
vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 double insulation conforming to IEC 60529

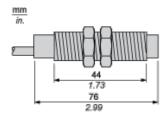
# Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0901 - Schneider Electric declaration of conformity	Compliant - since 0901 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	eDi-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	For more information go to www.p65warnings.ca.gov

## Contractual warranty

Warranty period	18 months
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### **Dimensions**



# **Wiring Schemes**

### M12 Connector



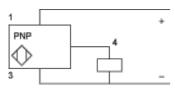
1: (+

2: Beam break input

3: (-)

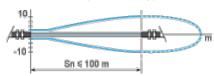
4: OUT/Output

#### **PNP**

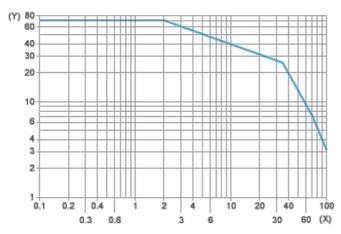


# **Curves**

# **Detection Curve (Set to Infinity)**

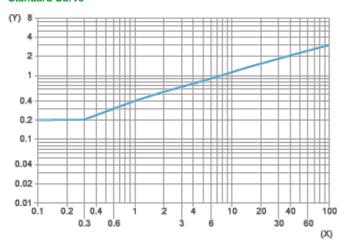


**Excess Gain Curve** 



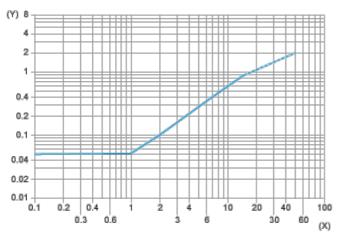
- (X) Distance (m)
- (Y) Gain

### **Standard Curve**



- (X) Distance focusing point (m)
- (Y) Minimum size of the object to be detected (mm)

#### **Detection Limit Curve**



- (X) Distance focusing point (m)
- (Y) Minimum size of the object to be detected (mm)