# Product datasheet Characteristics

# XUM8APCNL2



#### Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUM
Sensor design	Miniature
Detection system	Diffuse with background suppression
Material	Plastic
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	Cable
Cable length	6.56 ft (2 m)
Product specific application	-
Emission	Red diffuse with background suppression
[Sn] nominal sensing distance	0.98 ft (0.3 m) diffuse with background suppression

#### Complementary

Complementary		
Enclosure material	PBT	
Lens material	PC	
Maximum sensing distance	0.98 ft (0.3 m) diffuse with background suppression	
Output type	Solid state	
Wire insulation material	PVC	
Status LED	1 LED (red) instability 1 LED (yellow) output state	
[Us] rated supply voltage	1224 V DC	
Supply voltage limits	1030 V DC	
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)	
Switching frequency	<= 500 Hz	
Voltage drop	<= 1.5 V (closed state)	
Current consumption	35 mA (no-load)	
Delay first up	30 ms	
Delay response	1 ms	
Delay recovery	1 ms	
Setting-up	Without sensitivity adjustment	
Depth	1.06 in (27 mm)	
Height	1.5 in (38 mm)	
Length	0.43 in (11 mm)	
Width	0.47 in (12 mm)	
Product weight	0.18 lb(US) (0.08 kg)	

#### Environment

product certifications	CE CSA UL
ambient air temperature for operation	-13131 °F (-2555 °C)
ambient air temperature for storage	-22158 °F (-3070 °C)



immunity to ambient light	3000 lux with natural light 3000 lux with incandescent light
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	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529

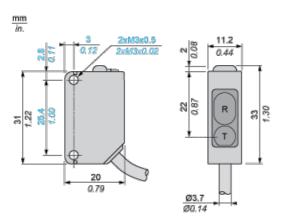
## **Offer Sustainability**

Not Green Premium product	Not Green Premium product
Compliant - since 1210 - Schneider Electric declaration of conformity	Compliant - since 1210 - Schneider Electric declaration of conformity
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 Stat of California to cause cancer, and	e Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the Star of California to cause birth defects or other reproductive harm.	teDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth e 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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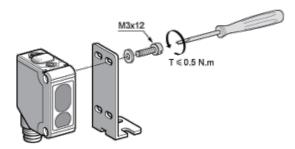
# Dimensions



R: Reception

T: Transmission

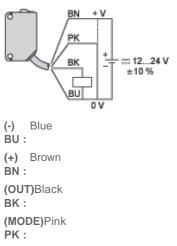
# Mounting



# **Wiring Schemes**

**PNP Output** 

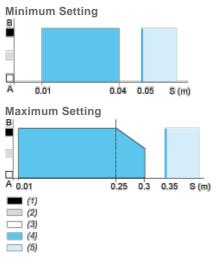




Note :This scheme is represented in "background suppression" mode, cabling of pink (PK) wire to 0 V

## **Detection Curves**

#### Variation of Usable Sensing Distance



A-B :Object reflection coefficient

- (1) Black 6%
- (2) Grey 18%
- (3) White 90%
- (4) Sensing range
- (5) Non sensing zone (matt surfaces)

