

# XUM8ANCNL2

Photoelectric sensors XU, XUM, BGS, Sn 0.3 m, 12...24 VDC, cable 2 m



## Main

Range of Product	Telemecanique Photoelectric sensors 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	NPN
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

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 green)instability 1 LED orange)output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection)
Maximum voltage drop	<2 V closed state)
Current consumption	<= 20 mA no-load
Maximum delay first up	100 ms
Maximum delay response	1 ms
Setting-up	Sensitivity adjustment by potentiometer
Depth	0.79 in (20 mm)
Height	1.30 in (33 mm)
Length	0.43 in (11 mm)
Width	0.43 in (11 mm)
Net Weight	0.08 lb(US) (0.035 kg)

## Environment

Product Certifications	CE cURus
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-22...158 °F (-30...70 °C)
Immunity to ambient light	3000 Lux natural light 3000 lux incandescent light
Vibration resistance	20 gn +/- 1.5 mm 10...500 Hz) IEC 60068-2-6
Shock resistance	50 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 IEC 60529



## Ordering and shipping details

Category	22415-SENSORS, PHOTOELECTRIC, BASIC
Discount Schedule	DS2
GTIN	3389119061001
Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.00 in (2.54 cm)
Package 1 Width	6.00 in (15.24 cm)
Package 1 Length	5.00 in (12.7 cm)
Package 1 Weight	0.11 lb(US) (0.05 kg)
Unit Type of Package 2	CAR
Number of Units in Package 2	48
Package 2 Height	5.55 in (14.1 cm)
Package 2 Width	11.65 in (29.6 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	6.90 lb(US) (3.131 kg)

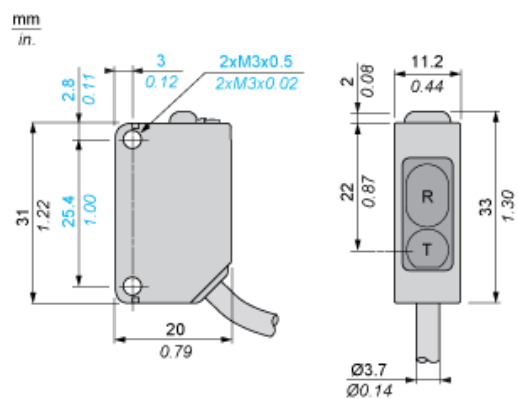
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

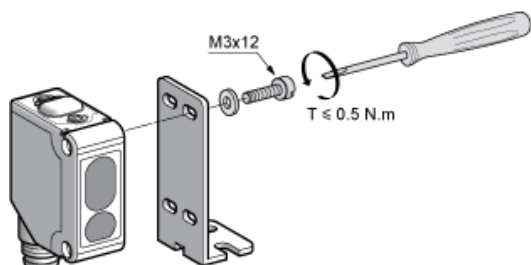
Warranty	18 months
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## Dimensions



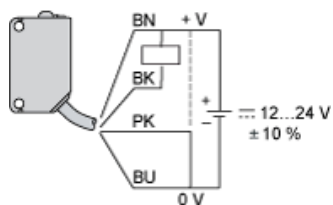
R : Reception  
T : Transmission

## Mounting



## Wiring Schemes

### NPN Output

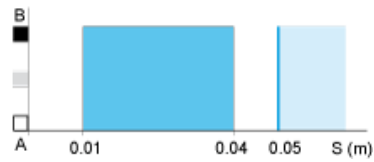


(-) Blue  
BU :  
(+) Brown  
BN :  
(OUT) Black  
BK :  
(MODE) Pink  
PK :  
Note : This scheme is represented in "background suppression" mode, cabling of pink (PK) wire to 0 V

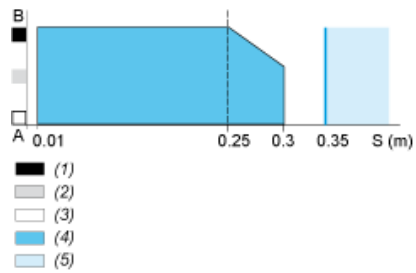
## Detection Curves

### Variation of Usable Sensing Distance

#### Minimum Setting



#### Maximum Setting



A-B : Object reflection coefficient

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