

# XUVR1212PBNM8

photo-electric sensor - XUV - fork -  
120X120mm - 12..24VDC - M8

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Range of product	OsiSense XU
Series name	General purpose
Electronic sensor type	Photo-electric sensor
Sensor name	XUVR
Sensor design	Fork
Detection system	Thru beam
Emission	Red LED, modulated
Passage width	4.72 in (120 mm)
Passage depth	4.72 in (120 mm)
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	4.72 in (120 mm)

## Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	0.03 in (0.8 mm)
Type of output signal	Discrete
Output type	Solid state
Status LED	1 LED (yellow) output state
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	4000 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	< 20 mA (no-load)
Product weight	0.42 lb(US) (0.19 kg)

## Environment

Product certifications	UL CSA CE
Ambient air temperature for operation	14...140 °F (-10...60 °C)
Ambient air temperature for storage	-40...176 °F (-40...80 °C)
Immunity to ambient light	10000 lux with natural light 5000 lux with incandescent bulb
Vibration resistance	7 gn, amplitude = +/- 0.75 mm (f = 10...55 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 IP67

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119040778
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	N
Country of origin	FR

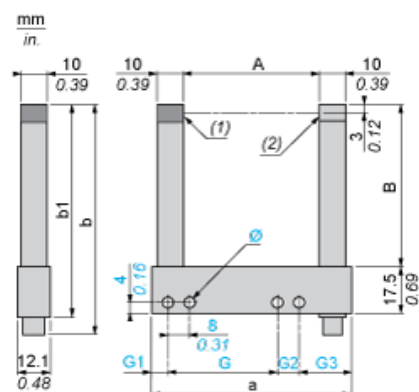
## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0906 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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## Dimensions



- (1) Transmission LED  
(2) Yellow LED: output signal

Dimensions in mm

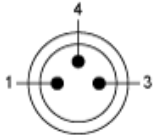
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
120	124.3	144	150.2	142	100	17	10	17	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
4.72	4.89	5.67	5.91	5.59	3.94	0.67	0.39	0.67	0.16 x 0.17

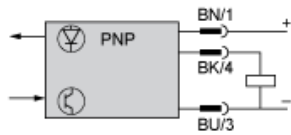
## Wiring Schemes

### M8 Connector



- 1 : BN: Brown
- 3 : BU: Blue
- 4 : BK: Black

### PNP Output



# Mouser Electronics

Authorized Distributor

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Schneider Electric:

[XUVR1212PBNM8](#)