

# Product data sheet

Specifications



## Photoelectric sensors XU, XUV, fork, 180X120mm, 12...24 VDC, M8

XUVR1218PANM8

### Main

Range Of Product	Telemecanique Photoelectric sensors 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	180 mm
Passage Depth	120 mm
Material	Metal/plastic
Supply Circuit Type	DC
Wiring Technique	3-wire
Discrete Output Type	PNP
Discrete Output Function	1 NO
Electrical Connection	1 male connector M8, 3 pins
Product Specific Application	Detection on small conveyor
[Sn] Nominal Sensing Distance	180 mm

### Complementary

Enclosure Material	Painted aluminium and polyamide/glass
Spot Diameter	1 mm
Type Of Output Signal	Discrete
Output Type	Solid state
Status Led	Output state: 1 LED (yellow)
[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
Maximum Voltage Drop	<1.5 V (closed state)
Current Consumption	< 20 mA no-load
Net Weight	0.19 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Environment

Product Certifications	CSA UL CE
Ambient Air Temperature For Operation	-10...60 °C
Ambient Air Temperature For Storage	-40...80 °C
Immunity To Ambient Light	10000 lux natural light 5000 lux 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

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	15.000 cm
Package 1 Length	30.600 cm
Package 1 Weight	174.000 g
Unit Type Of Package 2	S04
Number Of Units In Package 2	55
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	10.492 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

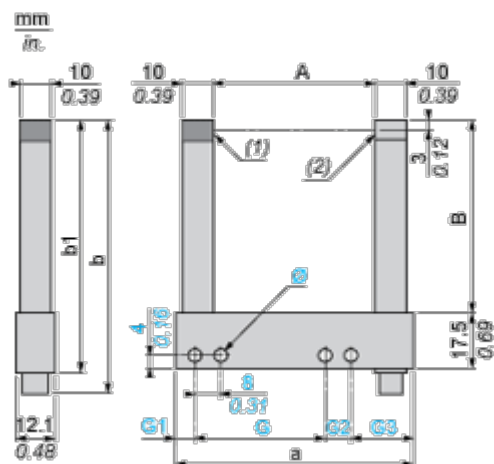
Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl 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](http://www.P65Warnings.ca.gov)

## Dimensions Drawings

## Dimensions



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

**Dimensions in mm**

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
180	124.3	204	150.2	142	152	22	8	22	4 x 4.3

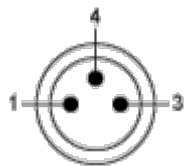
**Dimensions in in.**

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
7.09	4.89	8.03	5.91	5.59	5.98	0.87	0.31	0.87	0.16 x 0.17

Connections and Schema

Wiring Schemes

M8 Connector



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

PNP Output

