

# XUVR0608PBNM8

Photoelectric sensors XU, XUV, fork,  
80X60mm, 12...24 VDC, M8

## 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	3.15 in (80 mm)
Passage depth	2.36 in (60 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	3.15 in (80 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	Output state 1 LED yellow)
[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)
Switching frequency	4000 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	< 20 mA no-load
Net 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 natural light 5000 lux incandescent bulb
Vibration resistance	7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IP67

## Ordering and shipping details

Category	22481-SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119040693
Nbr. of units in pkg.	1
Package weight(Lbs)	3.17 oz (90.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.67 in (1.7 cm)
Package 1 width	5.20 in (13.2 cm)
Package 1 Length	6.54 in (16.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	3.61 lb(US) (1.639 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

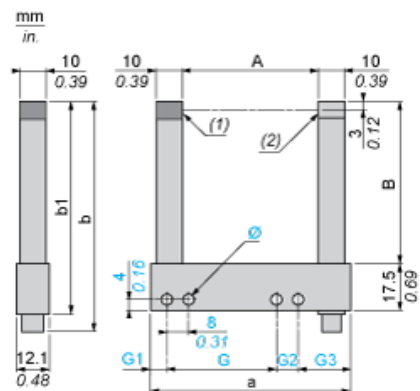
## Offer Sustainability

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>
REACH Regulation	<a href="#">REACH Declaration</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	<a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
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Dimensions



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

Dimensions in mm

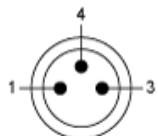
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
80	60	104	85.7	77.5	70	6.5	8	19.5	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
3.15	2.36	4.09	3.37	3.05	2.76	0.26	0.31	0.77	0.16 x 0.17

## Wiring Schemes

### M8 Connector



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

### PNP Output

