

# XUVR0605NBNM8

Photoelectric sensors XU, XUV, fork,  
50X60mm, 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	2.0 in (50 mm)
Passage depth	2.4 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	2.0 in (50 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
Product Weight	0.42 lb(US) (0.19 kg)

## Environment

Product Certifications	CE[RETURN]UL[RETURN]CSA
Ambient Air Temperature for Operation	14.0000000000...140.0000000000 °F (-10...60 °C)
Ambient Air Temperature for Storage	-40.0000000000...176.0000000000 °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	US10DS222481
Discount Schedule	0DS2
GTIN	3389119040754
Returnability	No
Country of origin	FR

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

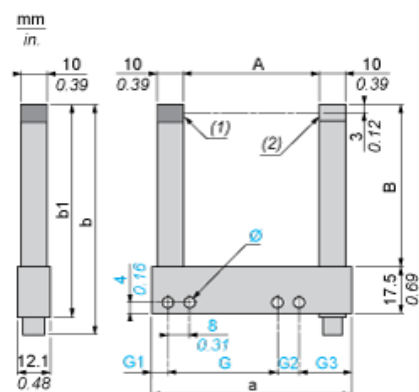
### Offer Sustainability

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>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

### Contractual warranty

Warranty	18 months
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## Dimensions



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

Dimensions in mm

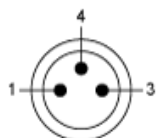
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
50	60	74	85.7	77.5	40	6.5	8	19.5	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
1.97	2.36	2.91	3.37	3.05	1.57	0.26	0.31	0.77	0.16 x 0.17

## Wiring Schemes

### M8 Connector



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

### NPN Output

