

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	80 mm
Passage depth	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	80 mm

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	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 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

Environment

Product certifications	UL[RETURN]CSA[RETURN]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	1.700 cm
Package 1 Width	13.200 cm
Package 1 Length	16.600 cm
Package 1 Weight	90.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.639 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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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The technical drawing shows two views of a mechanical component. The top view is a front elevation, and the bottom view is a side elevation.

Top View Dimensions:

- Total width: 10 mm (0.39 in.)
- Left flange thickness: 12.1 mm (0.48 in.)
- Main body height: b1
- Total height: b
- Right flange thickness: 10 mm (0.39 in.)
- Internal hole diameter: Ø
- Distance from left edge to center of hole: 0.16 in.
- Distance between holes: 0.31 in.
- Distance from right edge to center of hole: 0.12 in.
- Bottom flange thickness: 17.5 mm (0.69 in.)
- Overall length: A

Side View Dimensions:

- Top flange thickness: 3 mm (0.12 in.)
- Main body height: B
- Bottom flange thickness: 17.5 mm (0.69 in.)
- Overall width: a
- Positioning points G1, G2, G3 are indicated along the bottom edge.

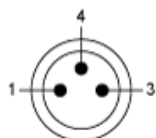
- Dimensions in mm

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
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

