Product data sheet
Characteristics

XUVR1218PBNM8
Photoelectric sensors XU, XUV, fork, 180X120mm, 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	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 NC
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

Environment

Product certifications	CE[RETURN]UL[RETURN]CSA
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

Telemecanique Sensors

Offer Sustainability

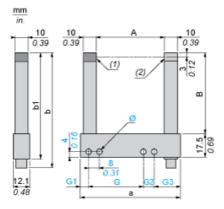|	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. 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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Dimensions

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

Dimensions in mm

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

Wiring Schemes

M8 Connector

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

PNP Output

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