Product data sheet
Characteristics

XUVR1212PBNM8

photo-electric sensor - XUV - fork - 120X120mm - 12..24VDC - M8

Important message: We have updated the process for ordering Telemecanique Sensors products.For more information, please contact your Telemecanique Sensors representative in the UK&I at: UK.salesorders@tesensors.comYou can find all product information on the Telemecanique Sensors website: www.tesensors.com/uk/en
Local distributor code: 393607479
EAN Code: 3389119040778

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	120 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	120 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	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

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.800 cm
Package 1 Width	15.100 cm
Package 1 Length	31.200 cm
Package 1 Weight	150.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.162 kg

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

XUVR1212PBNM8
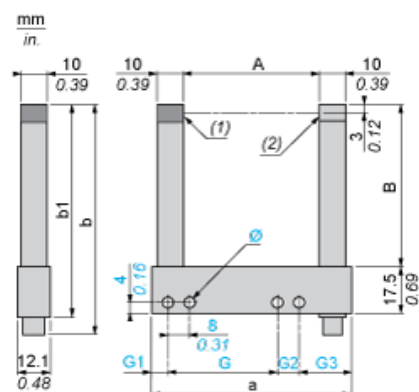
Dimensions

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

Dimensions in mm

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
120	124.3	144	150.2	142	100	17	10	17	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	∅
4.72	4.89	5.67	5.91	5.59	3.94	0.67	0.39	0.67	0.16 x 0.17

Wiring Schemes

M8 Connector
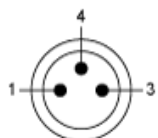
1 :   BN: Brown
3 :   BU: Blue
4 :   BK: Black

PNP Output