

Product datasheet

Specifications



photo-electric sensor - XUV - fork - 30X30mm - 12..24VDC - cable 2m

XUVR0303PANL2

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	30 mm
Passage depth	30 mm
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	Cable
Cable length	2 m
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	30 mm

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	0.8 mm
Type of output signal	Discrete
Output type	Solid state
Wire insulation material	PvR
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 UL 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
Package 1 Weight	109.0 g
Package 1 Height	2 cm
Package 1 width	12.8 cm
Package 1 Length	16.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Weight	3.592 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

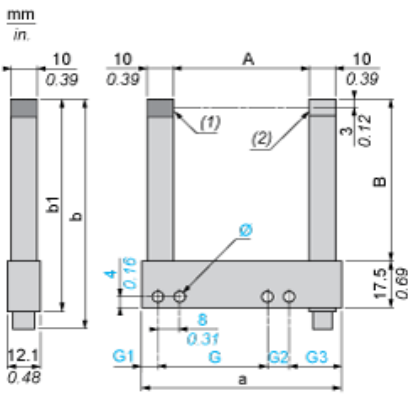
Offer Sustainability

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

Contractual warranty

Warranty	18 months
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Dimensions



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

Dimensions in mm

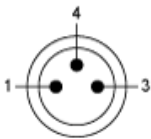
Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
30	40	54	65.7	57.5	30	17	-	-	4 x 4.3

Dimensions in in.

Passageway A	Depth B	a	b	b1	G	G1	G2	G3	Ø
1.18	1.57	2.13	2.59	2.26	1.18	0.67	-	-	0.16 x 0.17

Wiring Schemes

M8 Connector



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

PNP Output

