

XUVR0605NANM8

photo-electric sensor - XUV - fork - 50X60mm - 12..24VDC - M8



Main

Range of product	OsiSense 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	50 mm
Passage depth	60 mm
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	NPN
Discrete output function	1 NO
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	50 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 CSA UL
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

Package 1 Weight	0.080 kg
Package 1 Height	0.160 dm
Package 1 width	0.017 dm
Package 1 Length	0.130 dm

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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Technical drawing of a mechanical part with dimensions in mm and in. The drawing shows a side view and a top view. The side view dimensions are: 10 mm (0.39 in) for the top flange, 10 mm (0.39 in) for the bottom flange, 10 mm (0.39 in) for the central section, 17.5 mm (0.69 in) for the total height, and 12.1 mm (0.48 in) for the bottom flange thickness. The top view dimensions are: 10 mm (0.39 in) for the top flange, 10 mm (0.39 in) for the bottom flange, 10 mm (0.39 in) for the central section, 17.5 mm (0.69 in) for the total height, and 12.1 mm (0.48 in) for the bottom flange thickness. The drawing also shows a cross-section with a central hole and a central section labeled (1) and (2).

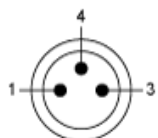
- Dimensions in mm

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

