

XUVR0605NANM8

Photoelectric sensors XU, XUV, fork,
50X60mm, 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	1.97 in (50 mm)
Passage depth	2.36 in (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	1.97 in (50 mm)

Complementary

Enclosure Material	Painted aluminium and polyamide/glass
Spot diameter	0.03 in (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 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	0.42 lb(US) (0.19 kg)

Environment

Product Certifications	CE[RETURN]CSA[RETURN]UL
Ambient Air Temperature for Operation	14...140 °F (-10...60 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Immunity to ambient light	10000 Lux natural light 5000 lux incandescent bulb
Vibration resistance	7 gn +/- 0.75 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 IP67

Ordering and shipping details

Category	US10DS222481
Discount Schedule	0DS2
GTIN	3389119040747
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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	Ø
50	60	74	85.7	77.5	40	6.5	8	19.5	4 x 4.3

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

