

Product data sheet

Characteristics

XUVA1212PANM8

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



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose
Electronic sensor type	Photo-electric sensor
Sensor name	XUVA
Sensor design	Fork L
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 NO
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	1.2 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
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 Height	3.0 cm
Package 1 Width	43.0 cm
Package 1 Length	15.5 cm
Package 1 Weight	397.0 g

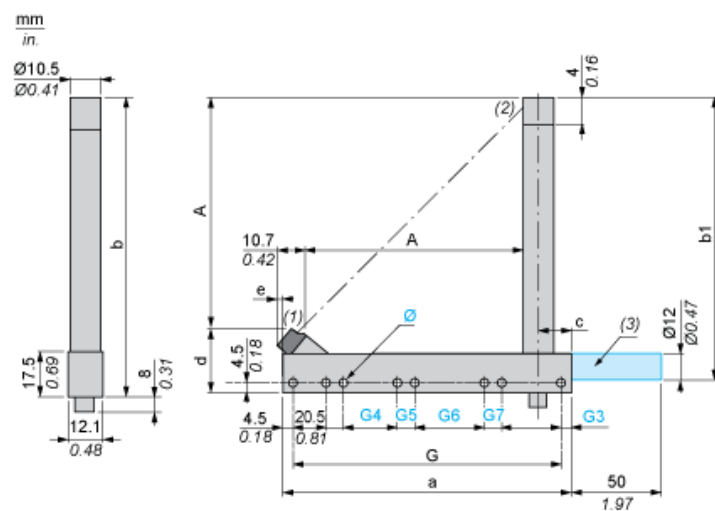
Offer Sustainability

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
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Dimensions



- (1) Transmission LED
(2) Yellow LED: output signal
(3) Optional fixing rod available on request. Please consult our Customer Care Centre

Dimensions in mm

Depth A	a	b	b1	G	G3	Ø	G4	G5	G6	G7	c
112.3	145	154	146	136	4.5	4 x 4.3	-	-	-	-	19.75

Dimensions in in.

Depth A	a	b	b1	G	G3	Ø	G4	G5	G6	G7	c
4.42	5.71	6.06	5.75	5.35	0.18	0.16 x 0.17	-	-	-	-	0.78

Wiring Schemes

M8 Connector



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

PNP Output

