XUYFNEP100030

Photoelectric sensors XU, XUY, fork, pot +/-, 30X95mm, 12...24 VDC, M8

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Fork
Detection system	Thru beam
Emission	Infrared LED, modulated
Passage width	30 mm
Passage depth	95 mm
Material	Metal/plastic
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Detection of labels Detection of reference marks Detection of double sheet Detection on small conveyor Detection on vibrating rail
[Sn] nominal sensing distance	30 mm

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Keypad type	Green
Minimum object diameter for detection	0.2 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	Adjustment mode and keypad locking: 1 LED (red) 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	10 kHz
Maximum voltage drop	<2 V (closed state)
Current consumption	40 mA no-load
Load capacitance	330 nF
Time response	-20…20 µs
Setting-up	Sensitivity by numeric potentiometer
Net weight	0.19 kg

Environment

Product certifications	cULus[RETURN]CE
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-30…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

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Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	16.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	91.0 g

Offer Sustainability

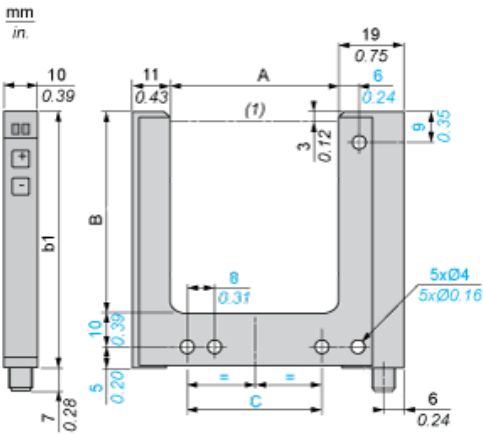|	
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. 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)   Optical axis

Dimensions in mm

A	B	b1	C
30	95	110	42

Dimensions in in.

A	B	b1	C
1.18	3.74	4.33	1.65

Wiring Schemes

M8 Connector

1 : BN: Brown
2 : WH: White
3 : BU: Blue
4 : BK: Black

4-Wire, PNP/NPN Outputs

BN : Brown
WH : White
BK : Black
BU : Blue

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