Product data sheet
Characteristics

XUYFANEP40030
photo-electric sensor - XUY - fork - teach - 30X42mm - 12..24VDC - M8

Main

Range of product	OsiSense 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	42 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 double sheet Detection of labels Detection of reference marks Detection on vibrating rail Detection on small conveyor
[Sn] nominal sensing distance	30 mm

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Keypad type	Yellow
Minimum object diameter for detection	0.2 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	1 LED (red) for adjustment mode and keypad locking 1 LED (yellow) for output state
[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)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Switching frequency	10 kHz
Voltage drop	< 2 V (closed state)
Current consumption	40 mA (no-load)
Load capacitance	330 nF
Time response	-20...20 µs
Setting-up	Self teaching
Product weight	0.19 kg

Environment

Product certifications	CE cULus
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-30...80 °C
Immunity to ambient light	10000 lux with natural light 5000 lux with 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 conforming to IEC 60529

Offer Sustainability

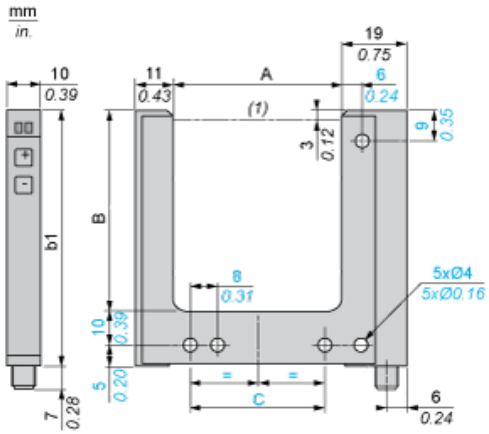
RoHS (date code: YYWW)	Compliant - since 0648 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months

XUYFANEP40030

Dimensions



(1) Optical axis

Dimensions in mm

A	B	b1	C
30	42	57	42

Dimensions in in.

A	B	b1	C
1.18	1.65	2.24	1.65

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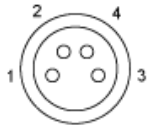
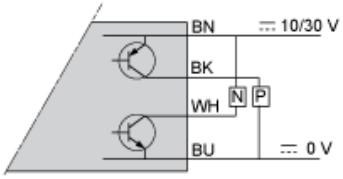
Wiring Schemes

M8 Connector



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

4-Wire, PNP/NPN Outputs



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