XUYFNEP40030

photo-electric sensor - XUY - fork - pot +/- - 30X42mm - 12..24VDC - cable 5m

Product availability: Non-Stock - Not normally stocked in distribution facility

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	1.18 in (30 mm)
Passage depth	1.65 in (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 on small conveyor Detection on vibrating rail Detection of reference marks Detection of double sheet Detection of labels
[Sn] nominal sensing distance	1.18 in (30 mm)

Complementary

Enclosure material	Painted aluminium and polyamide/glass
Keypad type	Green
Minimum object diameter for detection	0.01 in (0.2 mm)
Type of output signal	Discrete
Output type	Solid state
Status LED	1 LED (red) adjustment mode and keypad locking 1 LED (yellow) 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)
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	Sensitivity by numeric potentiometer
Product weight	0.42 lb(US) (0.19 kg)

Environment

Product certifications	CE cULus
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient air temperature for storage	-22...176 °F (-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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119006224
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20000000000000001
Returnability	N
Country of origin	FR

Offer Sustainability

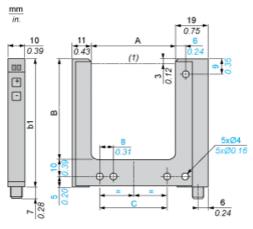|	
RoHS (date code: YYWW)	Compliant - since 0648 - Schneider Electric declaration of conformity 🔗Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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Dimensions

(1)   Optical axis

Dimensions in mm

A	B	b1	C
30	42	57	42

Dimensions in in.

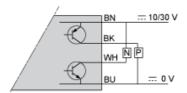| A	B	b1	C
1.18	1.65	2.24	1.65

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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