XUYFANEP40050

photo-electric sensor - XUY - fork - teach - 50X42mm - 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	50 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 labels Detection of reference marks Detection on small conveyor Detection on vibrating rail Detection of double sheet	
[Sn] nominal sensing distance	50 mm	

Complementary

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	Adjustment mode and keypad locking: 1 LED (red) Output state: 1 LED (yellow)	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	1030 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	-2020 μs	
Setting-up	Self teaching	
Net weight	0.19 kg	

Environment

Product certifications	CE CULus	
Ambient air temperature for operation	-2060 °C	
Ambient air temperature for storage	-3080 °C	
Immunity to ambient light	10000 Lux natural light 5000 lux incandescent bulb	
Vibration resistance	7 gn, amplitude = +/- 0.75 mm (f = 1055 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	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	70.9 g	
Package 1 Height	1.8 cm	
Package 1 width	13.1 cm	
Package 1 Length	16.2 cm	

Offer Sustainability

REACh Regulation	REACh Declaration		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EEU RoHS Declaration		
Mercury free	Yes		
RoHS exemption information	€ Yes		

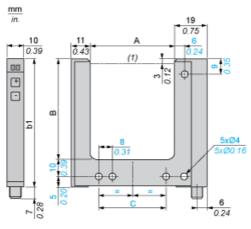
Contractual warranty

Warranty	18 months	

Product data sheet Dimensions Drawings

XUYFANEP40050

Dimensions



(1) Optical axis

Dimensions in mm

Α	В	b1	С
50	42	57	40

Dimensions in in.

A	В	b1	С
1.97	1.65	2.24	1.57

Product data sheet Connections and Schema

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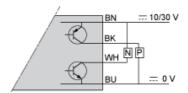
Wiring Schemes

M8 Connector



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

4-Wire, PNP/NPN Outputs



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