Product datasheet Characteristics

XUYFANEP100030



Main

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

Complementary

Enclosure material	Painted aluminium and polyamide/glass		
Keypad type	Yellow		
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	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		
Voltage drop	< 2 V (closed state)		
Current consumption	40 mA (no-load)		
Load capacitance	330 nF		
Time response	-2020 μs		
Setting-up	Self teaching		
Product weight	0.42 lb(US) (0.19 kg)		

Environment

product certifications	CE CULus	
ambient air temperature for operation	-4140 °F (-2060 °C)	
ambient air temperature for storage	-22176 °F (-3080 °C)	
immunity to ambient light	10000 lux with natural light 5000 lux with incandescent bulb	
vibration resistance 7 gn, amplitude = +/- 0.75 mm (f = 1055 Hz) conforming to IEC 6006		
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27	



IP65 conforming to IEC 60529

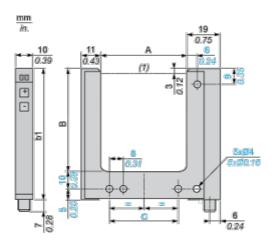
Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0727 - Schneider Electric declaration of conformity	Compliant - since 0727 - Schneider Electric declaration of conformity
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	e Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the Stat of California to cause birth defects or other reproductive harm.	eDi-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 more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period 18 months

Dimensions



(1) Optical axis

	-		
Dim	ensior	ne in	mm
	chalor	13 111	

А	В	b1	C	-		
30	95	110	42	2		
Dimensions in in.						
				~		

A		В	b1	С
1.1	8	3.74	4.33	1.65

Wiring Schemes

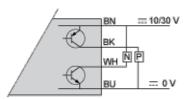
M8 Connector



- 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

