XUYFLNEP100030



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 laser, modulated (class 1) conforming to IEC 825-1	
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 reference marks Detection of transparent object 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	Green		
Minimum object diameter for detection	0 in (0.05 mm)		
Type of output signal	Discrete		
Output type	Solid state		
Status LED	LED (red) adjustment mode and keypad locking 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	ncy 10 kHz		
Voltage drop	< 2 V (closed state)		
Current consumption	on 40 mA (no-load)		
Load capacitance	330 nF		
Time response	-2020 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	-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 60068-2-6	
shock resistance	ock resistance 30 gn (duration = 11 ms) conforming to IEC 60068-2-27	

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	eDi-isodecyl phthalate (DIDP), which is known to the State of California to cause birth	

harm.

For more information go to www.p65warnings.ca.gov

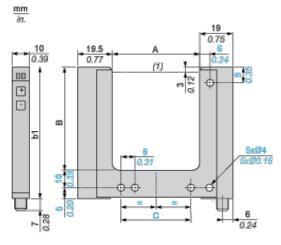
For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period

18 months

Dimensions



(1) Optical axis

Dimensions in mm

Α	В	b1	С
30	95	110	42

Dimensions in in.

Α	В	b1	С
1.18	3.74	4.33	1.65

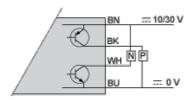
Wiring Schemes

M8 Connector



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

4-Wire, PNP/NPN Outputs



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