Product datasheet Characteristics

XUYFLNEP40002



Main

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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	0.08 in (2 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 of reference marks Detection of transparent object Detection on vibrating rail Detection on small conveyor
[Sn] nominal sensing distance	0.08 in (2 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	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	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	30 gn (duration = 11 ms) conforming to IEC 60068-2-27



IP65 conforming to IEC 60529

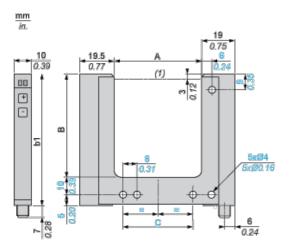
Offer Sustainability

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 WARNING: This product can expose you to chemicals including: including:			
Diisononyl phthalate (DINP), which is known to the State Diisononyl phthalate (DINP), which is known to the State of California to cau of California to cause cancer, and 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

Dimensions in mm

А	В	b1	С		
2	42	57	14		
Dimensions in in.					

А	в	b1	С
0.08	1.65	2.24	0.55

Wiring Schemes

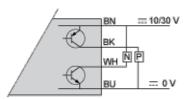
M8 Connector



- 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

