XUYFALNEP40015



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	0.59 in (15 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	0.59 in (15 mm)		

Complementary

Enclosure material	Painted aluminium and polyamide/glass		
Keypad type	Yellow		
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	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 = \pm 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	

Offer Sustainability

Not Green Premium product	Not Green Premium product		
Compliant - since 0652 - Schneider Electric declaration of conformity	Compliant - since 0652 - 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	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

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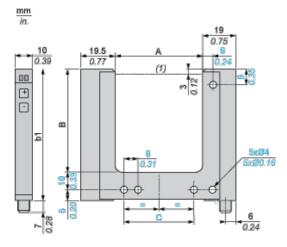
Contractual warranty

Warranty period

harm.

18 months

Dimensions



(1) Optical axis

Dimensions in mm

Α	В	b1	С
15	42	57	27

Dimensions in in.

Α		В	b1	С
0.59	9 1	.65	2.24	1.06

Wiring Schemes

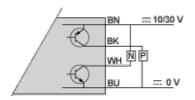
M8 Connector



1: BN: Brown2: WH: White3: BU: Blue

4: BK: Black

4-Wire, PNP/NPN Outputs



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