XUYFANEP40120

photo-electric sensor - XUY - fork - teach - 120X42mm - 12..24VDC - M8

Product availability: Non-Stock - Not normally stocked in distribution facility



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	4.72 in (120 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 double sheet Detection on vibrating rail Detection of labels Detection of reference marks Detection on small conveyor	
[Sn] nominal sensing distance	4.72 in (120 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	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 = +/- 0.75 mm (f = 1055 Hz) conforming to IEC 60068-2	
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27	
IP degree of protection	IP65 conforming to IEC 60529	

Ordering and shipping details

22481 - SENSORS, PHOTOELECTRIC		
DS2		
003389119006460		
1		
0.200000000000001		
N		
FR		

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0648 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity	
California proposition 65	WARNING: This product can expose you to chemicals including:	
Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	
Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	
More information	For more information go to www.p65warnings.ca.gov	

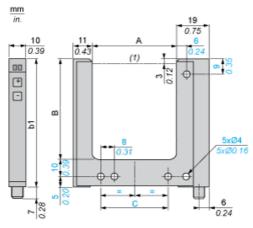
Contractual warranty

Warranty period	18 months

Product data sheet Dimensions Drawings

XUYFANEP40120

Dimensions



(1) Optical axis

Dimensions in mm

A	В	b1	С
120	42	57	110

Dimensions in in.

A	В	b1	С
4.72	1.65	2.24	4.33

Product data sheet Connections and Schema

XUYFANEP40120

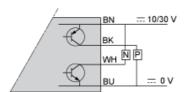
Wiring Schemes

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schneider Electric: XUYFANEP40120