Product datasheet Characteristics

XUYFNEP60120

photo-electric sensor - XUY - fork - pot +/- -120X59mm - 12..24VDC - M8



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	120 mm
Passage depth	59 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 on vibrating rail Detection of labels Detection of double sheet Detection on small conveyor
[Sn] nominal sensing distance	120 mm

Complementary

Main		
Range of product	OsiSense XU	
Series name	Application	
Electronic sensor type	Photo-electric sensor	
Sensor name	XUY	
Sensor design	Fork	
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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	OsiSense XU Application Photo-electric sensor XUY Fork Thru beam Infrared LED, modulated 120 mm 59 mm Metal/plastic DC 4-wire PNP and NPN 1 NO or 1 NC programmable 1 male connector M8, 4 pins Detection of reference marks Detection of reference marks Detection of abels Detection of abels Detection of about sheet Detection on small conveyor 120 mm Painted aluminium and polyamide/glass Green 0.2 mm Discrete Solid state Adjustment mode and keypad locking: 1 LED (red) Output state: 1 LED (yellow) 1224 V DC with reverse polarity protection 1030 V DC 100 mA (overload and short-circuit protection)	
[Sn] nominal sensing distance	120 mm	
Complementary		
Enclosure material	Painted aluminium and polyamide/glass	
Keypad type	Green	
Minimum object diameter for detection	0.2 mm	
Type of output signal	Discrete	
Output type	Solid state	
Status LED	Adjustment mode and keypad locking: 1 LED (red) Output state: 1 LED (yellow)	
[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)	
24 lun 2040		

Switching frequency	10 kHz
Maximum 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
Net weight	0.19 kg

Environment

Product certifications	CE CULus	
Ambient air temperature for operation	-2060 °C	
Ambient air temperature for storage	-3080 °C	
Immunity to ambient light	10000 lux natural light 5000 lux 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	
IP degree of protection	IP65 conforming to IEC 60529	

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration

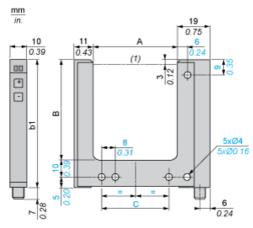
Contractual warranty

Warranty 18 months		
warranty	Warranty	

Product datasheet Dimensions Drawings

XUYFNEP60120

Dimensions



(1) Optical axis

Dimensions in mm

Α	В	b1	С
120	59	74	110

Dimensions in in.

A	В	b1	С
4.72	2.32	2.91	4.33

Product datasheet Connections and Schema

XUYFNEP60120

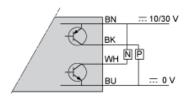
Wiring Schemes

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