Product data sheet Characteristics

XUYFNEP60030

photo-electric sensor - XUY - fork - pot +/- - 30X59mm - 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	1.18 in (30 mm)
Passage depth	2.32 in (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 on small conveyor Detection of double sheet Detection of labels Detection of reference marks Detection on vibrating rail
[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	0.01 in (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 reverse polarity protection	
Supply voltage limits	1030 V DC	
Switching capacity in mA	100 mA overload and short-circuit protection)	
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	0.42 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 natural light 5000 lux incandescent bulb		
Vibration resistance	7 gn +/- 0.75 mm 1055 Hz) IEC 60068-2-6		
Shock resistance 30 gn 11 ms) IEC 60068-2-27			
IP degree of protection	IP65 conforming to IEC 60529	IP65 conforming to IEC 60529	

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC	
Discount Schedule	DS2	
GTIN	03389119006293	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.2 lb(US) (0.09 kg)	
Returnability	No	
Country of origin	FR	

Packing Units

Package 1 Height	0.130 dm	
Package 1 width	1.320 dm	
Package 1 Length	1.650 dm	

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-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	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
RoHS exemption information	₽¥Yes	

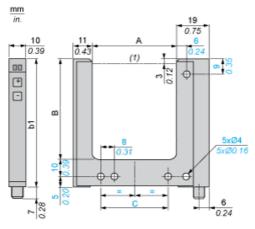
Contractual warranty

- Contraction training	
Warranty	18 months

Product data sheet Dimensions Drawings

XUYFNEP60030

Dimensions



(1) Optical axis

Dimensions in mm

Α	В	b1	С
30	59	74	42

Dimensions in in.

A	В	b1	С
1.18	2.32	2.91	1.65

Product data sheet Connections and Schema

XUYFNEP60030

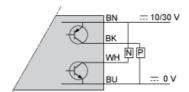
Wiring Schemes

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