XUYFLNEP40030

photo-electric sensor - XUY - fork - laser - pot +/- - 30X42mm - 12..24VDC - M8



Main Range Series

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 IEC 825-1
Passage width	1.18 in (30 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 on vibrating rail Detection of transparent object Detection on small conveyor
[Sn] nominal sensing distance	1.18 in (30 mm)

Complementary

Complementary		
Enclosure material	Painted aluminium and polyamide/glass	
Keypad type	Green	
Minimum object diameter for detection	0.00 in (0.05 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)	
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	CULus CE	
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		
Ordering and shipping details			
Category	22481 - SENSORS, PHOTOELECTRIC		
Discount Schedule	DS2		
GTIN	03389119006859		
Nbr. of units in pkg.	1		
Package weight(Lbs)	0.2 lb(US) (0.09 kg)		
Returnability	No No		
Country of origin	FR		
Packing Units Unit Type of Package 1	PCE		
-	PCE		
Package 1 Height	0.59 in (1.5 cm)		
Package 1 width	5.20 in (13.2 cm)		
Package 1 Length	6.46 in (16.4 cm)		
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) EU RoHS Declaration		
Mercury free	Yes		
RoHS exemption information	€Yes		

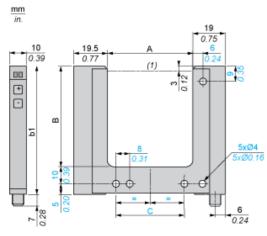
O	- I I
Contractu	ial warrantv

Contractual warranty		
Warranty	18 months	

Product data sheet Dimensions Drawings

XUYFLNEP40030

Dimensions



(1) Optical axis

Dimensions in mm

A	В	b1	С
30	42	57	42

Dimensions in in.

А	В	b1	С
1.18	1.65	2.24	1.65

Product data sheet Connections and Schema

XUYFLNEP40030

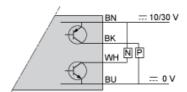
Wiring Schemes

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