Product data sheet Characteristics

XUK2LAKSMM12T

photo-electric laser sensor -XUK -thru beam transmitter - Sn 30m -10..30VDC -M12



Main

Main	
Range of product	OsiSense XU
Series name	Application assembly Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Thru beam
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red laser thru beam class 1
[Sn] nominal sensing distance	25 m thru beam need receiver XUK2LAPSMM12R

Complementary

Complementary		
Enclosure material	ABS/PC	
Lens material	PMMA	
Maximum sensing distance	30 m thru beam	
Add on output	Without	
Add on input	Test	
Status LED	1 LED (green) for supply	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	
Supply voltage limits	1030 V DC	
Maximum voltage drop	<2.4 V (closed state)	
Current consumption	<= 30 mA no-load	
Depth	50 mm	
Height	50 mm	
Width	23 mm	
Net weight	0.035 kg	

Environment

Product certifications	Ecolab CE CULus
Ambient air temperature for operation	-2060 °C -2050 °C, UL certified
Ambient air temperature for storage	-2080 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60947-5-2
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	49 g
Package 1 Height	3 cm
Package 1 width	6 cm
Package 1 Length	9 cm
Unit Type of Package 2	S01
Number of Units in Package 2	28
Package 2 Weight	1.597 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

Offer Sustainability

REACh Regulation	REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) CEU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	™ Yes	

Contractual warranty

Warranty

18 months



Product data sheet **Dimensions Drawings**

XUK2LAKSMM12T

Dimensions

mm in.



(1) Receiver optical axis (2) Transmitter optical axis



XUK2LAKSMM12T

Wiring Schemes Using M12 Connector



- (-) Pin not connected 3: 4:
- BN : Brown
- WH : White
- BU: Blue
- +UB :External teach -UB : Pushbutton locking

(1) Test input: +UB = test function (transmitter disconnected). -UB or not connected = normal operation



Product data sheet Performance Curves

XUK2LAKSMM12T

Curves

Excess Gain Curve



- (X) Distance (m)(Y) Gain

Size of Luminous Point



(Y) Size (mm)

