Product data sheet Characteristics

XUK5LAPSMM12

photo-electric laser sensor - XUK - diffuse energetic - Sn 1,2m - 10..30VDC -M12

Product availability: Stock - Normally stocked in distribution facility

Price* : 270.00 USD



Main

TTT CALL		
Range of product	OsiSense XU	Š
Series name	Application assembly Application material handling	i.
Electronic sensor type	Photo-electric sensor	, c
Sensor name	XUK	
Sensor design	Compact 50 x 50	
Detection system	Diffuse	
Material	Plastic	
Type of output signal	Discrete	<u> </u>
Supply circuit type	DC	<u>.</u>
Wiring technique	4-wire	
Discrete output type	PNP	<u>.</u>
Discrete output function	1 NO or 1 NC programmable	
Electrical connection	1 male connector M12, 4 pins	•
Product specific application	-	7
Emission	Red laser diffuse (class 1)	
[Sn] nominal sensing distance	3.94 ft (1.2 m) diffuse	

Complementary

Enclosure material	ABS/PC	
Lens material	PMMA	-
Maximum sensing distance	3.94 ft (1.2 m) diffuse	· ·
Output type	Solid state	
Cable composition	3 x 0.34 mm²	
Wire insulation material	PVC	
Cable outer diameter	0.24 in (6 mm)	
Status LED	LED (yellow) output state LED (green/yellow) supply on/output state	
[Us] rated supply voltage	1224 V DC with reverse polarity protection	F
Supply voltage limits	1036 V DC	
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Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	<= 30 mA (no-load)
Delay first up	< 300 ms
Delay response	< 0.8 ms
Delay recovery	< 0.8 ms
Setting-up	Using teach button or remote teaching
Depth	1.97 in (50 mm)
Height	1.97 in (50 mm)
Width	0.91 in (23 mm)
Product weight	0.08 lb(US) (0.035 kg)

Environment

Product certifications	CE cULus
	Ecolab
Ambient air temperature for operation	-4122 °F (-2050 °C), UL certified -4140 °F (-2060 °C)
Ambient air temperature for storage	-4176 °F (-2080 °C)
Vibration resistance	7 gn (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Ordering and shipping details

- 11	ACCOL CENTAGE BUILDING
Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119077576
Nbr. of units in pkg.	1
Package weight(Lbs)	0.12
Returnability	Υ
Country of origin	DE

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant	
	Will not be compliant	
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	

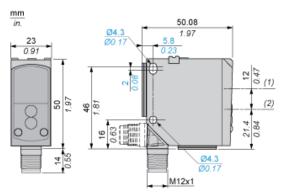
Contractual warranty

Warranty period 18 mo	nths

Product data sheet **Dimensions Drawings**

XUK5LAPSMM12

Dimensions



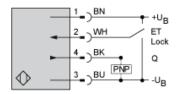
- Receiver optical axis
- (1) (2) Transmitter optical axis

Product data sheet Connections and Schema

XUK5LAPSMM12

Wiring Schemes Using M12 Connector





1:

(+) ET/Lock (1) 2: 3:

(-) Output 4: BN: Brown WH: White Blue BU: BK: Black

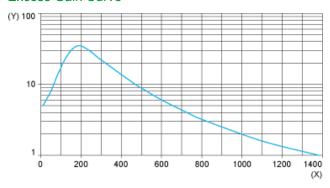
+UB : External teach -UB: Pushbutton locking

(1) ET/Lock. ET: External Teach, Lock: Pushbutton locking

XUK5LAPSMM12

Curves

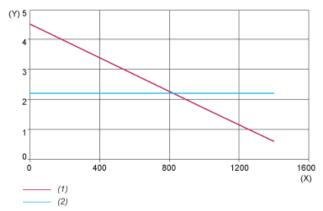
Excess Gain Curve



(X) (Y) Distance (mm)

Gain

Size of Luminous Point



(X) (Y) (1) (2) Distance (mm)

Size (mm)

Vertical (Y)

Horizontal (X)