Product data sheet
Characteristics

XUK2LAPSMM12R
photo-electric laser sensor - XUK - thru beam receiver - Sn 30m - 10..30VDC -M12

Product availability: Stock - Normally stocked in distribution facility

Main

Range of product	OsiSense XU
Series name	Application material handling Application assembly
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
Discrete output type	PNP
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red thru beam
[Sn] nominal sensing distance	82.02 ft (25 m) thru beam need transmitter XUK2LAKSMM12T

Complementary

Enclosure material	ABS/PC
Lens material	PMMA
Maximum sensing distance	98.43 ft (30 m) thru beam
Output type	Solid state
Add on output	Without
Add on input	External teach
Status LED	1 LED (green) supply on 1 LED (red) alignment assistance 1 LED (yellow) output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz
Voltage drop	<= 2.4 V (closed state)
Current consumption	<= 30 mA (no-load)
Delay first up	< 300 ms
Delay response	< 0.14 ms
Delay recovery	< 0.14 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	CULus Ecolab CE
Ambient air temperature for operation	-4...122 °F (-20...50 °C), UL certified -4...140 °F (-20...60 °C)
Ambient air temperature for storage	-4...176 °F (-20...80 °C)
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 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

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389119077552
Nbr. of units in pkg.	1
Package weight(Lbs)	0.10000000000000001
Returnability	Y
Country of origin	DE

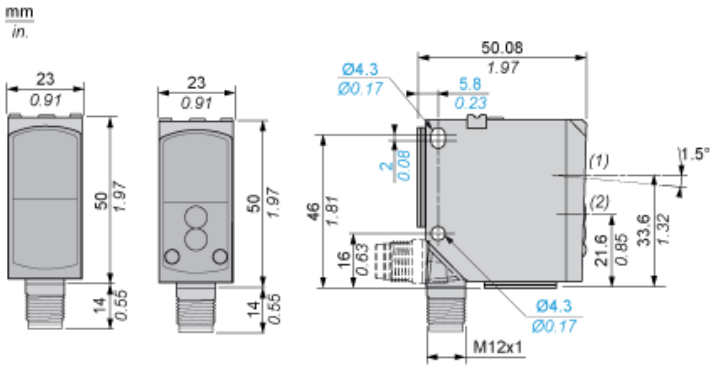
Offer Sustainability

RoHS (date code: YYWW)	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 months

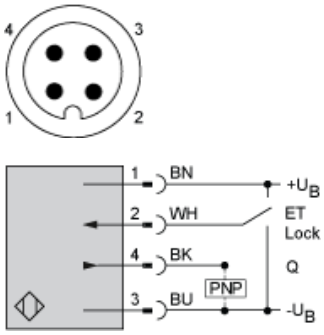
Dimensions



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

XUK2LAPSMM12R

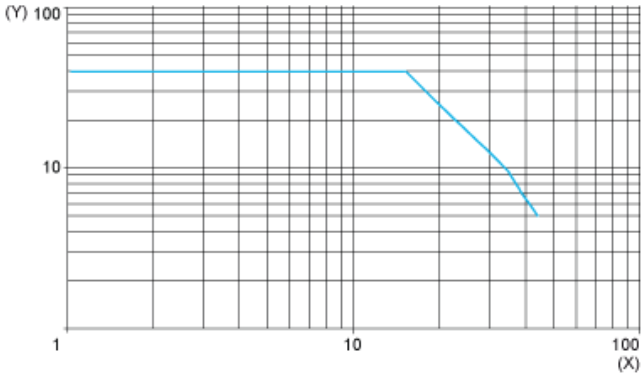
Wiring Schemes Using M12 Connector



1 : (+)
2 : ET/Lock (1)
3 : (-)
4 : Output
BN : Brown
WH : White
BU : Blue
BK : Black
+UB :External teach
-UB : Pushbutton locking
(1) ET/Lock. ET: External Teach, Lock: Pushbutton locking

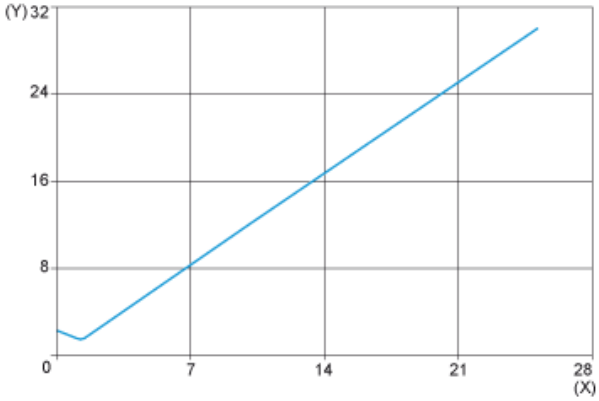
Curves

Excess Gain Curve



(X) Distance (m)
(Y) Gain

Size of Luminous Point



(X) Distance (m)
(Y) Size (mm)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schneider Electric:

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