



## Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Diffuse with background suppression
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
Emission	Red diffuse with background suppression
[Sn] nominal sensing distance	3.94 ft (1.2 m) diffuse with background suppression

## Complementary

Enclosure Material	ABS/PC
Lens material	PMMA
Maximum sensing distance	3.94 ft (1.2 m) diffuse with background suppression
Output Type	Solid state
Add on output	Without
Cable composition	5 x 0.34 mm <sup>2</sup>
Wire insulation material	PVC
Cable outer diameter	0.24 in (6 mm)
Status LED	1 LED yellow/output state 1 LED green/yellow/supply on/output state
[Us] rated supply voltage	12...24 V DC reverse polarity protection
Supply voltage limits	10...36 V DC
Switching capacity in mA	<= 100 mA overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<2.4 V closed state)
Current consumption	<= 30 mA no-load
Maximum delay first up	300 ms
Maximum delay response	0.8 ms
Maximum 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)
Net Weight	0.08 lb(US) (0.035 kg)

## Environment

Product Certifications	CULus CE Ecolab
Ambient air temperature for operation	-4...140 °F (-20...60 °C) -4...122 °F (-20...50 °C), UL
Ambient Air Temperature for Storage	-4...176 °F (-20...80 °C)
Vibration resistance	7 gn 10...55 Hz) IEC 60068-2-6
Shock resistance	10 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 IEC 60529 IP69K DIN 40050

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	3389119623483
Nbr. of units in pkg.	1
Package weight(Lbs)	4.09 oz (116 g)
Returnability	No
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.28 in (5.8 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	5.83 in (14.8 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	4
Package 2 Weight	29.03 oz (823 g)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>