

# XUK8AKSNM12

Photoelectric sensors XU, photo electric laser sensor, XUK, BGS, Sn 1 m, 12...24 VDC, M12

## 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	3-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M12, 4 pins
Product Specific Application	-
Emission	Infrared laser, modulated diffuse with background suppression class 1
[Sn] nominal sensing distance	3.3 ft (1 m) diffuse with background suppression

## Complementary

Enclosure Material	PC
Lens material	PMMA
Maximum sensing distance	3.3 ft (1 m) diffuse with background suppression
Minimum object diameter for detection	0.08 in (2 mm)
Output Type	Solid state
Wire insulation material	PVC
Status LED	1 LED yellow)output state 1 LED green)supply
[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	<1.5 V closed state)
Current consumption	<= 30 mA no-load
Maximum delay first up	300 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Sensitivity adjustment by potentiometer
Depth	2.0 in (50 mm)
Height	2.0 in (50 mm)
Width	0.7 in (18 mm)
Net Weight	0.077 lb(US) (0.035 kg)
Kit composition	With XUZA51 bracket fixing

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Product Certifications	CE[RETURN]Ecolab
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-22...158 °F (-30...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP65 double insulation IEC 60529


## Ordering and shipping details

Category	US10DS222481
Discount Schedule	0DS2
GTIN	3389110057782
Returnability	Yes
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.57 in (4.0 cm)
Package 1 Width	2.36 in (6.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	4.4 oz (126.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.403 lb(US) (4.265 kg)

## Offer Sustainability

SCIP Number	C7e9a64a-7547-4475-a4ad-f104e30caf79
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>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

Warranty	18 months
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