

# Product Datasheet

## Characteristic

# XUK0AKSAM12T

photo-electric sensor - XUK - emitter -  
12..24VDC - M12



## Main

range of product	OsiSense XU
series name	General purpose multimode
electronic sensor type	Photo-electric sensor transmitter
sensor name	XUK
sensor design	Compact 50 x 50
detection system	Thru beam
material	Plastic
supply circuit type	DC
wiring technique	3-wire
electrical connection	1 male connector M12, 4 pins
product specific application	-
emission	Infrared thru beam
[Sn] nominal sensing distance	98.43 ft (30 m) thru beam need a receiver

## Complementary

enclosure material	PBT
lens material	PMMA
maximum sensing distance	114.83 ft (35 m) thru beam
add on input	Test by emission breaking
status LED	1 LED green)supply on
[Us] rated supply voltage	DC Reverse polarity protection 12...24 V
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	20 mA no-load
maximum delay first up	300 ms
maximum delay response	2 ms
maximum delay recovery	2 ms
setting-up	Without sensitivity adjustment

depth	1.97 in (50 mm)
height	1.97 in (50 mm)
width	0.71 in (18 mm)
Net Weight	0.20 lb(US) (0.09 kg)

## Environment

product certifications	CSA UL CE
ambient air temperature for operation	-13...131 °F (-25...55 °C)
ambient air temperature for storage	-40...158 °F (-40...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

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP111232EN
Circularity Profile	ENVEOLI111207EN