

XUK8AKSNL2

photo-electric laser sensor - XUK - BGS - Sn 1m -
12..24VDC - cable 2m



Main

Range of product	OsiSense 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	Cable
Cable length	2 m
Product specific application	-
Emission	Infrared laser, modulated class 1 diffuse with background suppression
[Sn] nominal sensing distance	1 m diffuse with background suppression

Complementary

Enclosure material	PC
Lens material	PMMA
Maximum sensing distance	1 m diffuse with background suppression
Minimum object diameter for detection	2 mm
Output type	Solid state
Cable composition	3 x 0.34 mm ²
Wire insulation material	PVC
Cable outer diameter	6 mm
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC with 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
Voltage drop	<= 1.5 V (closed state)
Current consumption	35 mA (no-load)
Delay first up	<= 80 ms
Delay response	<= 2 ms
Delay recovery	<= 2 ms
Setting-up	Sensitivity adjustment
Depth	18 mm
Height	50 mm
Width	50 mm
Product weight	0.19 kg
Kit composition	With XUZA51 bracket fixing

Environment

Product certifications	CE
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CSA
UL

Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...70 °C
Vibration resistance	7 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP30 (with cover open) conforming to IEC 60529 IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 12 double insulation conforming to IEC 60529 NEMA 13 double insulation conforming to IEC 60529 NEMA 4X (indoor use) conforming to IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0841 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available