

XUK0ARCTL5

photo-electric sensor - XUK - multi - Sn 0..30m
- 24..240VAC/DC - cable 5m

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	OsiSense XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Multimode
Material	Plastic
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	5-wire
Discrete output function	1 NO or 1 NC programmable
Electrical connection	Cable
Cable length	16.4 ft (5 m)
Product specific application	-
Emission	Red polarised reflex Infrared thru beam Infrared diffuse with background suppression Infrared diffuse
[Sn] nominal sensing distance	98.43 ft (30 m) thru beam need a transmitter XUK0ARCTL5T 13.12 ft (4 m) polarised reflex need reflector XUZC50 2.62 ft (0.8 m) diffuse 0.92 ft (0.28 m) diffuse with background suppression

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	18.7 ft (5.7 m) polarised reflex 3.94 ft (1.2 m) diffuse 0.92 ft (0.28 m) diffuse with background suppression 114.83 ft (35 m) thru beam
Output type	Relay
Add on output	Without, <= 50 mA with overload and short-circuit protection
Wire insulation material	PvR
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	24...240 V DC 24...240 V AC
Supply voltage limits	20...264 V DC 20...264 V AC
Switching capacity in mA	3 A (cos ϕ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	<= 20 Hz
Voltage drop	<= 1.5 V (closed state)
Power consumption in W	3 W AC/DC
Time delay range	0...10 s monostable, on-delay or off-delay (programmable) delay
Delay first up	< 300 ms
Delay response	< 25 ms
Delay recovery	< 25 ms

Setting-up	Self-teaching
Electrical durability	500000 cycles, $\cos \varphi = 1$, 60 cyc/mn at 250 V
Depth	1.97 in (50 mm)
Height	1.97 in (50 mm)
Width	0.71 in (18 mm)
Product weight	0.39 lb(US) (0.175 kg)

Environment

Product certifications	CE CSA UL
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, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 double insulation conforming to IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	003389110703184
Nbr. of units in pkg.	1
Package weight(Lbs)	0.82
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	ID

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0903 - Schneider Electric declaration of conformity
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Contractual warranty

Period	18 months
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