

XUK0AKSAM12

photo-electric sensor - XUK - multi - Sn 0..30m
- 12..24VDC - M12



Product availability: Stock - Normally stocked in distribution facility



Main

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|-------------------------------|---|
| 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 | 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 | 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 XUK0AKSAM12T 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

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|---------------------------|---|
| 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 | Solid state |
| Add on output | With alarm output, <= 50 mA with overload and short-circuit protection |
| Status LED | 1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply |
| [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 | < 200 ms |
| Delay response | < 2 ms |
| Delay recovery | < 2 ms |
| Setting-up | Self-teaching |

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|----------------|----------------------|
| Depth | 1.97 in (50 mm) |
| Height | 1.97 in (50 mm) |
| Width | 0.71 in (18 mm) |
| Product weight | 0.2 lb(US) (0.09 kg) |

Environment

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|---------------------------------------|---|
| 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

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|-----------------------|---|
| Category | 22481 - SENSORS, PHOTOELECTRIC |
| Discount Schedule | DS2 |
| GTIN | 00785901840541 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.16 |
| Product availability | Stock - Normally stocked in distribution facility |
| Returnability | Y |
| Country of origin | ID |

Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0903 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |

Contractual warranty

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|--------|-----------|
| Period | 18 months |
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