

# XUX0AKSAM12

photo-electric sensor - XUX - multi - Sn 0..40m  
- 12..24VDC - M12



Product availability: Stock - 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                   | XUX  |
| Sensor design                 | Compact 92 x 71  |
| Detection system              | Multimode  |
| Material                      | Plastic  |
| Type of output signal         | Discrete   |
| Supply circuit type           | DC   |
| Wiring technique              | 3-wire   |
| Discrete output function      | 1 NO or 1 NC programmable  |
| Electrical connection         | 1 male connector M12, 4 pins   |
| Product specific application  | -  |
| Emission                      | Red polarised reflex<br>Infrared thru beam<br>Infrared diffuse with background suppression<br>Infrared diffuse   |
| [Sn] nominal sensing distance | 131.23 ft (40 m) thru beam need a transmitter XUX0AKSAM12T<br>36.09 ft (11 m) polarised reflex need reflector XUZC50<br>4.27 ft (1.3 m) diffuse with background suppression<br>6.56 ft (2 m) diffuse |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure material        | PBT  |
| Lens material             | PMMA   |
| Maximum sensing distance  | 4.27 ft (1.3 m) diffuse with background suppression<br>196.85 ft (60 m) thru beam<br>9.84 ft (3 m) diffuse<br>49.21 ft (15 m) polarised reflex |
| Output type               | Solid state  |
| Add on output             | With alarm output, <= 100 mA with overload and short-circuit protection  |
| Status LED                | 1 LED (yellow) for output state<br>1 LED (red) for instability<br>1 LED (green) for supply   |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection  |
| 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  |
| Depth                     | 3.03 in (77 mm)  |
| Height                    | 3.62 in (92 mm)  |

|                |                      |
|----------------|----------------------|
| Width          | 1.22 in (31 mm)      |
| Product weight | 0.44 lb(US) (0.2 kg) |

## Environment

|                                       |  |
|---------------------------------------|--|
| Product certifications                | CE<br>CSA<br>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               | IP67 double insulation conforming to IEC 60529<br>IP65 double insulation conforming to IEC 60529 |

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22481 - SENSORS, PHOTOELECTRIC                    |
| Discount Schedule     | DS2   |
| GTIN                  | 00785901582489                                    |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.42  |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y   |
| Country of origin     | FR  |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS                             | Compliant - since 0914 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |

## Contractual warranty

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