

# XUM0ANSAM8

photo-electric sensor - XUM - multi - Sn 0..10m  
- 12..24VDC - M8



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XU   |
| Series name                   | General purpose multimode   |
| Electronic sensor type        | Photo-electric sensor   |
| Sensor name                   | XUM   |
| Sensor design                 | Miniature   |
| Detection system              | Multimode   |
| Material                      | Plastic   |
| Type of output signal         | Discrete  |
| Supply circuit type           | DC  |
| Wiring technique              | 3-wire  |
| Discrete output type          | NPN   |
| Discrete output function      | 1 NO or 1 NC programmable   |
| Electrical connection         | 1 male connector M8, 4 pins   |
| Product specific application  | -   |
| Emission                      | Infrared diffuse<br>Infrared diffuse with background suppression<br>Infrared thru beam<br>Red polarised reflex  |
| [Sn] nominal sensing distance | 3 m polarised reflex need reflector XUZC50<br>10 m thru beam need a transmitter XUM0AKSAM8T<br>0.1 m diffuse with background suppression<br>0.4 m diffuse |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 14 m thru beam<br>4 m polarised reflex<br>0.1 m diffuse with background suppression<br>0.55 m diffuse |
| Output type               | Solid state   |
| Add on output             | With alarm output, 50 mA  |
| Wire insulation material  | PVC   |
| Status LED                | 1 LED (green) for supply<br>1 LED (red) for instability<br>1 LED (yellow) for output state            |
| [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<br>240 Hz   |
| Voltage drop              | 1.5 V (closed state)  |
| Current consumption       | 35 mA (no-load)   |
| Delay first up            | < 100 ms  |
| Delay response            | < 2 ms  |
| Delay recovery            | < 2 ms  |
| Setting-up                | Self-teaching   |
| Depth                     | 20 mm   |
| Height                    | 45 mm   |

|                |          |
|----------------|----------|
| Width          | 12 mm    |
| Product weight | 0.035 kg |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CE<br>CSA<br>UL   |
| Ambient air temperature for operation | -25...55 °C   |
| Ambient air temperature for storage   | -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 conforming to IEC 60529<br>IP67 conforming to IEC 60529              |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0841 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                    | Reference not containing SVHC above the threshold                                     |