



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | Telemecanique Photoelectric sensors 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          | PNP   |
| 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   |
| Maximum voltage drop   | <1.5 V (closed state) |
| Current consumption    | 35 mA no-load         |
| Maximum delay first up | 100 Ms                |
| Maximum delay response | 2 Ms                  |
| Maximum delay recovery | 2 Ms                  |
| Setting-up             | Self-teaching         |
| Depth                  | 20 Mm                 |
| Height                 | 45 Mm                 |
| Width                  | 12 Mm                 |
| Net weight             | 0.035 Kg              |






## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>UL<br>CE   |
| 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              |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Weight             | 35.0 G |
| Package 1 Height             | 4.2 Cm |
| Package 1 width              | 6.7 Cm |
| Package 1 Length             | 9.7 Cm |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH Regulation           |  <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes  |
| RoHS exemption information |  <a href="#">Yes</a>  |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        |  <a href="#">End Of Life Information</a>  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Product Life Status : **Commercialised**