# Product data sheet
## Characteristics

# XUM0APSAL2
## Photoelectric sensors XU, XUM, multi, Sn 0...10 m, 12...24 VDC, cable 2 m



## 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 | Cable |
| Cable length | 2 M |
| 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 XUM0AKSAL2T<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 | PvR |
| 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 |

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mentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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| | |
|---|---|
| Switching frequency | <= 250 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 | 34 Mm |
| Width | 12 Mm |
| Net weight | 0.05 Kg |

## Environment

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

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 96.0 G |
| Package 1 Height | 4.2 Cm |
| Package 1 width | 9.6 Cm |
| Package 1 Length | 13.2 Cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Weight | 2.609 Kg |
| Package 2 Height | 15 Cm |
| Package 2 width | 30 Cm |
| Package 2 Length | 40 Cm |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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

Product Life Status : Commercialised