

xum0ansam8

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



Main

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|-------------------------------|--|
| 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 Infrared diffuse with background suppression Infrared thru beam Red polarised reflex |
| [Sn] nominal sensing distance | 0.1 m diffuse with background suppression 0.4 m diffuse 3 m polarised reflex need reflector XUZC50 10 m thru beam need a transmitter XUM0AKSAM8T |

Complementary

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|---------------------------|---|
| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 14 m thru beam 4 m polarised reflex 0.1 m diffuse with background suppression 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 1 LED (red) for instability 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 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 45 mm |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

Environment

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|---------------------------------------|---|
| Product certifications | CE CSA 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 IP67 conforming to IEC 60529 |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0841 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |
| Product end of life instructions | Available |