# Product data sheet
## Characteristics

# XUM6ANXBM8
## Photoelectric sensors XU, photo electric sensor, miniature, diffuse medium, Smax=1.1 m, NPN, connector M8



### Main

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|---|---|
| Range of product | Telemecanique Photoelectric sensors XU |
| Series name | General purpose single mode |
| Electronic sensor type | Photo-electric sensor |
| Sensor name | XUM |
| Sensor design | Miniature |
| Detection system | Diffuse |
| 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 | Male connector M8, 4 pins |
| Emission | Red LED diffuse |
| [Sn] nominal sensing distance | 0.8 m |

### Complementary

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| Enclosure material | PBT |
| Lens material | PMMA |
| Maximum sensing distance | 1.1 m |
| Output type | Solid state |
| Status LED | Stability: 1 LED (green)<br>Output state: 1 LED (orange) |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Supply voltage limits | 10…30 V DC |
| Switching capacity in mA | <= 100 mA with overload and short-circuit protection |
| Switching frequency | <= 1000 Hz |
| Maximum voltage drop | <2 V |
| Current consumption | 20 mA no-load |
| Maximum delay first up | 100 ms |
| Maximum delay response | 0.5 ms |
| Maximum delay recovery | 0.5 ms |
| Setting-up | Sensitivity by potentiometer |
| Depth | 20 mm |
| Height | 44 mm |
| Width | 10 mm |
| Net weight | 0.01 kg |

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## Environment

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| Product certifications | CULus<br>CE<br>UKCA |
| Ambient air temperature for operation | -30…55 °C |
| Ambient air temperature for storage | -40…70 °C |
| Relative humidity | 35…95 % |
| Immunity to ambient light | 40000 Lux sunlight<br>10000 lux incandescent light |
| Vibration resistance | 9 gn, amplitude = +/- 1.5 mm (f = 10…500 Hz)for every axis conforming to IEC 60068-2-6 |
| Shock resistance | 100 gn (duration = 11 ms) for for every axis conforming to IEC 60068-2-27 |
| IP degree of protection | IP67 conforming to IEC 60529<br>IP65 conforming to IEC 60529 |

## Contractual warranty

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| Warranty | 18 months |