

# XUM9ANSBM8

## PHOTOELECTRIC SENSOR MINIATURE REFLEX SN 5M NPN CONNECTOR M8



### Main

|                               |                               |
|-------------------------------|-------------------------------|
| Range of product              | OsiSense XU                   |
| Series name                   | General purpose single mode   |
| Electronic sensor type        | Photo-electric sensor         |
| Sensor name                   | XUM                           |
| Sensor design                 | Miniature                     |
| Detection system              | Polarised reflex              |
| 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 polarised reflex      |
| [Sn] nominal sensing distance | 5 m with reflector 50 x 50 mm |

### Complementary

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| Enclosure material        | PBT                                                            |
| Lens material             | PMMA                                                           |
| Output type               | Solid state                                                    |
| Wire insulation material  | PVC                                                            |
| Status LED                | 1 LED (green) for stability<br>1 LED (orange) for output state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection                  |
| Supply voltage limits     | 10.2...26.4 V DC                                               |
| Switching capacity in mA  | <= 50 mA (overload and short-circuit protection)               |
| Switching frequency       | <= 500 Hz                                                      |
| Voltage drop              | <= 2 V                                                         |
| Current consumption       | 14 mA (no-load)                                                |
| Delay first up            | <= 100 ms                                                      |
| Delay response            | <= 1 ms                                                        |

|                |                                      |
|----------------|--------------------------------------|
| Delay recovery | <= 1 ms                              |
| Setting-up     | Sensitivity adjustment by pushbutton |
| Depth          | 20 mm                                |
| Height         | 34 mm                                |
| Width          | 11 mm                                |
| Product weight | 0.01 kg                              |

## Environment

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| Product certifications                | CE<br>UL<br>RCM                                                                                        |
| Ambient air temperature for operation | -30...55 °C                                                                                            |
| Ambient air temperature for storage   | -40...70 °C                                                                                            |
| Vibration resistance                  | +/- 1.5 mm (f = 10...55 Hz) 2 hours in each direction X, Y and Z conforming to IEC 60068-2-6           |
| Shock resistance                      | 500 m/s <sup>2</sup> (X, Y, Z directions for 10 cycles (approx. 100 min)) conforming to IEC 60068-2-27 |
| IP degree of protection               | IP67 conforming to IEC 60529                                                                           |