

# XUM8ALAYM8

Photoelectric sensors XUM8, BGS, Laser, Sn  
150mm, IO-Link, Connector M8



## Main

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU        |
| Series name                   | Application packaging                         |
| Electronic sensor type        | Photo-electric sensor                         |
| Sensor name                   | XUM                                           |
| Sensor design                 | Miniature                                     |
| Detection system              | Diffuse with background suppression           |
| Material                      | Plastic                                       |
| Type of output signal         | Discrete                                      |
| Supply circuit type           | DC                                            |
| Discrete output type          | PNP/NPN autodetect<br>IOLINK                  |
| Discrete output function      | 1 NO or 1 NC programmable                     |
| Electrical connection         | 1 male connector M8, 4 pins                   |
| Product specific application  | Background suppression laser                  |
| Emission                      | Red laser diffuse with background suppression |
| [Sn] nominal sensing distance | 120 mm diffuse with background suppression    |

## Complementary

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Enclosure material         | ABS                                               |
| Lens material              | PMMA                                              |
| Maximum sensing distance   | 150 mm diffuse with background suppression        |
| Output type                | Solid state                                       |
| Output function governance | NO/NC programmable                                |
| Add on output              | Without, 100 mA                                   |
| Add on input               | Remote teaching                                   |
| Status LED                 | 1 LED (green) for power ON                        |
| [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 (overload and short-circuit protection) |
| Switching frequency        | <= 1000 Hz                                        |
| Current consumption        | <= 30 mA no-load                                  |
| Maximum delay first up     | 300 ms                                            |
| Maximum delay response     | 500 µs                                            |
| Maximum delay recovery     | 300 ms                                            |
| Setting-up                 | Sensitivity adjustment with teach mode            |
| Height                     | 34 mm                                             |
| Length                     | 20 mm                                             |
| Width                      | 12 mm                                             |
| Net weight                 | 0.019 kg                                          |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Product certifications                | CE                           |
| Ambient air temperature for operation | -20...60 °C                  |
| Ambient air temperature for storage   | -20...80 °C                  |
| IP degree of protection               | IP67 conforming to IEC 60529 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 9.1 cm   |
| Package 1 Width              | 3.1 cm   |
| Package 1 Length             | 6.1 cm   |
| Package 1 Weight             | 27 g     |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 30       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 15 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 1.045 kg |

## Contractual warranty

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