

# XUT8ALAYP02

Photoelectric sensors XUT8, BGS, Laser, Sn  
70mm, IO-Link, Pigtail M8 20cm



## Main

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Range of product              | Telemecanique Photoelectric sensors XU        |
| Series name                   | Application packaging                         |
| Electronic sensor type        | Photo-electric sensor                         |
| Sensor name                   | XUT                                           |
| Sensor design                 | Sub-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                   |
| Cable length                  | 0.2 m                                         |
| Product specific application  | Background suppression laser                  |
| Emission                      | Red laser diffuse with background suppression |
| [Sn] nominal sensing distance | 70 mm diffuse with background suppression     |

## Complementary

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Enclosure material         | PUR                                              |
| Lens material              | PMMA                                             |
| Maximum sensing distance   | 100 mm diffuse with background suppression       |
| Output type                | Solid state                                      |
| Output function governance | NO/NC programmable                               |
| Add on output              | Without, 50 mA                                   |
| Add on input               | Remote teaching                                  |
| Wire insulation material   | PVC                                              |
| 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   | <= 50 mA (overload and short-circuit protection) |
| Switching frequency        | <= 1000 Hz                                       |
| Current consumption        | <= 12 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                     | 21.1 mm                                          |
| Length                     | 14.6 mm                                          |
| Width                      | 8 mm                                             |
| Net weight                 | 0.02 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             | 28 g   |
| Unit Type of Package 2       | S01    |
| Number of Units in Package 2 | 20     |
| Package 2 Height             | 15 cm  |
| Package 2 Width              | 15 cm  |
| Package 2 Length             | 40 cm  |
| Package 2 Weight             | 795 g  |

## Contractual warranty

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