

# XUM8ABAYM8

Photoelectric sensors XUM8, BGS, Blue light,  
Sn 200mm, 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 blue light              |
| Emission                      | Blue light diffuse with background suppression |
| [Sn] nominal sensing distance | 200 mm diffuse with background suppression     |

## Complementary

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Enclosure material         | ABS                                                              |
| Lens material              | PMMA                                                             |
| Maximum sensing distance   | 200 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<br>1 LED (orange) for output state    |
| [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        | <= 700 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<br>Sensitivity by IO-Link |
| Height                     | 34 mm                                                            |
| Length                     | 20 mm                                                            |
| Width                      | 12 mm                                                            |
| Net weight                 | 0.014 kg                                                         |

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## Environment

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Product certifications                | CE[RETURN]UKCA[RETURN]cULus                                     |
| 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<br>IP69K conforming to DIN 40050-9 |

## 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             | 22 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             | 895 g  |

## Contractual warranty

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