



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | Telemecanique Photoelectric sensors XU          |
| Series name                   | Application, conveyor system and access control |
| Electronic sensor type        | Photo-electric sensor                           |
| Sensor name                   | XUY   |
| Sensor design                 | Roller sensor                                   |
| Detection system              | Diffuse   |
| Material                      | Metal   |
| Type of output signal         | Discrete  |
| Supply circuit type           | DC  |
| Wiring technique              | 4-wire  |
| Discrete output type          | PNP or NPN                                      |
| Discrete output function      | 1 NO or 1 NC                                    |
| Electrical connection         | 1 remote connector M12, 4 pins                  |
| Cable length                  | 0.2 m   |
| Product specific application  | Conveyor system                                 |
| Emission                      | Infrared  |
| [Sn] nominal sensing distance | 65 mm diffuse                                   |

## Complementary

|                           |  |
|---------------------------|--|
| Enclosure material        | Aluminium                                      |
| Lens material             | Polycarbonate                                  |
| Cover material            | PVC  |
| Pulse frequency           | 1 kHz  |
| Output type               | Solid state                                    |
| Status LED                | 1 LED color: yellow for output signal          |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection  |
| Supply voltage limits     | 18...30 V DC                                   |
| Switching capacity in mA  | 100 mA (overload and short-circuit protection) |
| Switching frequency       | 500 Hz   |
| Maximum voltage drop      | <2 V at 100 mA                                 |
| Current consumption       | < 35 mA no-load                                |
| Maximum delay response    | 1 ms   |
| Diameter                  | 12 mm  |
| Length                    | 320 mm   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Product certifications                | CE[RETURN]UKCA[RETURN]cCSAus |
| Ambient air temperature for operation | -10...55 °C                  |
| Ambient air temperature for storage   | -20...70 °C                  |
| IP degree of protection               | IP65 conforming to IEC 60529 |

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## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 1.200 cm   |
| Package 1 Width              | 1.500 cm   |
| Package 1 Length             | 32.000 cm  |
| Package 1 Weight             | 74.000 g   |
| Unit Type of Package 2       | BB1        |
| Number of Units in Package 2 | 20         |
| Package 2 Height             | 5.000 cm   |
| Package 2 Width              | 38.500 cm  |
| Package 2 Length             | 97.000 cm  |
| Package 2 Weight             | 2.425 kg   |
| Unit Type of Package 3       | P12        |
| Number of Units in Package 3 | 240        |
| Package 3 Height             | 45.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 120.000 cm |
| Package 3 Weight             | 29.760 kg  |