



## 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                  | 0.3 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<br><1 V at 10 mA (closed state) |
| Current consumption       | < 35 mA no-load                                |
| Maximum delay response    | 1 ms                                           |
| Diameter                  | 12 mm                                          |
| Length                    | 315 mm                                         |

## Environment

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| Product certifications                | CE[RETURN]UKCA[RETURN]cCSAus[RETURN]cULus |
| 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             | 9 cm  |
| Package 1 Width              | 9 cm  |
| Package 1 Length             | 63 cm |
| Package 1 Weight             | 800 g |