

## Main

|                               |                                   |
|-------------------------------|-----------------------------------|
| Commercial Status             | Commercialised                    |
| Range of product              | OsiSense XU                       |
| Series name                   | General purpose multimode         |
| Electronic sensor type        | Photo-electric sensor transmitter |
| Sensor name                   | XUX                               |
| Sensor design                 | Compact 92 x 71                   |
| Detection system              | Thru beam                         |
| Material                      | Plastic                           |
| Supply circuit type           | DC                                |
| Wiring technique              | 3-wire                            |
| Electrical connection         | 1 male connector M12, 4 pins      |
| Product specific application  | -                                 |
| Emission                      | Infrared thru beam                |
| [Sn] nominal sensing distance | 40 m thru beam need a receiver    |

## Complementary

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Enclosure material        | PBT                                               |
| Lens material             | PMMA                                              |
| Maximum sensing distance  | 60 m thru beam                                    |
| Add on input              | Test by emission breaking                         |
| Status LED                | 1 LED (green) for supply on                       |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection     |
| Supply voltage limits     | 10...36 V DC                                      |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection) |
| Switching frequency       | <= 250 Hz                                         |
| Voltage drop              | <= 1.5 V (closed state)                           |
| Current consumption       | 20 mA (no-load)                                   |
| Delay first up            | < 200 ms                                          |
| Delay response            | < 2 ms                                            |
| Delay recovery            | < 2 ms                                            |
| Setting-up                | Without sensitivity adjustment                    |
| Depth                     | 30 mm                                             |
| Height                    | 92 mm                                             |
| Width                     | 77 mm                                             |
| Product weight            | 0.2 kg                                            |

## Environment

|                                       |                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------|
| Product certifications                | CE<br>CSA<br>UL                                                                                  |
| Ambient air temperature for operation | -25...55 °C                                                                                      |
| Ambient air temperature for storage   | -40...70 °C                                                                                      |
| Vibration resistance                  | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6                        |
| Shock resistance                      | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27                                            |
| IP degree of protection               | IP67 double insulation conforming to IEC 60529<br>IP65 double insulation conforming to IEC 60529 |

### RoHS compliance

|                                |           |
|--------------------------------|-----------|
| RoHS EUR status                | Compliant |
| RoHS EUR conformity date(YYWW) | 0914      |

### Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|