



## Main

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Range of product              | OsiSense XX                                      |
| Sensor type                   | Ultrasonic sensor                                |
| Series name                   | General purpose                                  |
| Sensor name                   | XX2                                              |
| Sensor design                 | Cylindrical M30                                  |
| Detection system              | Diffuse                                          |
| [Sn] nominal sensing distance | 26.25 ft (8 m) adjustable with teach push-button |
| Material                      | Plastic                                          |
| Type of output signal         | Discrete                                         |
| Discrete output function      | 2 NO                                             |
| Wiring technique              | 4-wire                                           |
| Discrete output type          | PNP                                              |
| [Us] rated supply voltage     | 12...24 V DC with reverse polarity protection    |
| Electrical connection         | Male connector M12 4 pins                        |
| Product specific application  | For 2 levels monitoring                          |
| [Sd] sensing range            | 0.98...26.25 ft (0.3...8 m)                      |
| Beam angle                    | 16 °                                             |
| IP degree of protection       | IP67 conforming to IEC 60529                     |

## Complementary

|                                                   |                                                                                                                                       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure material                                | ULTEM                                                                                                                                 |
| Front material                                    | Silicone                                                                                                                              |
| Thread type                                       | M30 x 1.5                                                                                                                             |
| Supply voltage limits                             | 10...28 V DC                                                                                                                          |
| Function available                                | Without synchronisation mode                                                                                                          |
| [Sa] assured operating distance                   | 0.3...8 m (teach mode)                                                                                                                |
| Maximum differential travel                       | 0.5 in (12.7 mm)                                                                                                                      |
| Blind zone                                        | 0...11.81 in (0...300 mm)                                                                                                             |
| Transmission frequency                            | 75 kHz                                                                                                                                |
| Repeat accuracy                                   | 2.54 %                                                                                                                                |
| Deviation angle from 90° of object to be detected | -5...5 °                                                                                                                              |
| Minimum size of detected object                   | Cylinder diameter 50.8 mm at 4.732 m                                                                                                  |
| Status LED                                        | 1 LED (green/red (flashing)) output state<br>1 LED (green/red (flashing)) setting-up assistance<br>1 LED (yellow) distance indication |
| Current consumption                               | 100 mA                                                                                                                                |
| Maximum switching current                         | 100 mA with overload and short-circuit protection                                                                                     |
| Voltage drop                                      | < 1 V                                                                                                                                 |
| Delay first up                                    | 1000 ms                                                                                                                               |
| Delay response                                    | 150 ms                                                                                                                                |
| Delay recovery                                    | 1000 ms                                                                                                                               |
| Marking                                           | CE                                                                                                                                    |
| Threaded length                                   | 2.53 in (64.3 mm)                                                                                                                     |
| Height                                            | 1.73 in (44 mm)                                                                                                                       |
| Width                                             | 1.73 in (44 mm)                                                                                                                       |
| Depth                                             | 4.65 in (118 mm)                                                                                                                      |
| Product weight                                    | 0.24 lb(US) (0.11 kg)                                                                                                                 |

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Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| standards                             | IEC 60947-5-2                                          |
| product certifications                | CCSAus<br>UL                                           |
| ambient air temperature for operation | -4...140 °F (-20...60 °C)                              |
| ambient air temperature for storage   | 14...176 °F (-10...80 °C)                              |
| vibration resistance                  | +/-1 mm conforming to IEC 60068-2-6 10...55 Hz         |
| shock resistance                      | 30 gn in all 3 axes 11 ms conforming to IEC 60068-2-27 |
| resistance to electrostatic discharge | 8 kV level 4 conforming to IEC 61000-4-2               |
| resistance to electromagnetic fields  | 9.14 V/yd (10 V/m) level 3 conforming to IEC 61000-4-3 |
| resistance to fast transients         | 1 kV level 3 conforming to IEC 61000-4-4               |

Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Will not be Compliant                                                                                                      | Will not be Compliant                                                                                                      |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

Contractual warranty

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



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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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