



Main

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|------------------------------|---|
| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Sensor name | XX6 |
| Material | PBT (polybutylene terephthalate) |
| Sensor design | Ø 30 mm |
| Product specific application | Optimum and universal |
| Type of output signal | Discrete |
| Wiring technique | 4 wires |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Discrete output function | 1 NO |
| Discrete output type | NPN/PNP |
| Electrical connection | 1 male connector M12, 4 pins |
| [Sd] sensing range | 0.39...6.56 ft (0.12...2 m) |
| Beam angle | 10 ° |
| IP degree of protection | IP67 conforming to IEC 60529 |

Complementary

| | |
|---|---|
| Enclosure material | ULTEM |
| Front material | Silicone |
| ISO thread | M30 x 1.5 |
| Supply voltage limits | 10...28 V DC |
| [Sn] nominal sensing distance | 6.56 ft (2 m) |
| Type of sensing window | Adjustable |
| [Sa] assured operating distance | 0.39...6.56 ft (0.12...2 m) (teach mode) |
| Maximum differential travel | <= 0.1 in (2.5 mm) |
| Blind zone | 2.01 in (51 mm) |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.9 % |
| Deviation angle from 90° of object to be detected | -7...7 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm up to 635 mm sensing distance |
| Status LED | 2 LEDs (green/amber) output state 2 LEDs (green/amber) setting-up assistance |
| Current consumption | 100 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Voltage drop | <= 1 V (NPN) <= 1.5 V (PNP) |
| Switching frequency | 50 Hz |
| Delay first up | 720 ms |
| Delay response | 35 ms |
| Delay recovery | 1000 ms |
| Marking | CE |
| Height | 1.18 in (30 mm) |
| Width | 1.18 in (30 mm) |
| Depth | 1.18 in (30 mm) |
| Length | 3.78 in (96 mm) |
| CAD overall height | 3.78 in (95.99 mm) |
| CAD overall width | 1.18 in (30 mm) |
| CAD overall depth | 1.18 in (30 mm) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Product weight 0.57 lb(US) (0.26 kg)

Environment

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|---------------------------------------|--|
| standards | IEC 60947-5-2 |
| product certifications | UL |
| NEMA degree of protection | NEMA 4X indoor use only |
| ambient air temperature for operation | 32...122 °F (0...50 °C) |
| ambient air temperature for storage | -40...176 °F (-40...80 °C) |
| vibration resistance | +/-1 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 30 gn 11 ms (in all 3 axes) 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

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 www.p65warnings.ca.gov For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period 18 months

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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