



Main

| | |
|-------------------------------|---|
| Range of product | OsiSense XX |
| Sensor type | Ultrasonic sensor |
| Series name | General purpose |
| Sensor name | XX6 |
| Sensor design | Cylindrical M30 |
| Detection system | Diffuse |
| [Sn] nominal sensing distance | 3.28 ft (1 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 and NPN |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection |
| Electrical connection | Male connector M12 4 pins |
| [Sd] sensing range | 0.17...3.25 ft (0.051...0.991 m) |
| Beam angle | 10 ° |
| 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 | 0.17...3.25 ft (0.051...0.991 m) (teach mode) |
| Maximum differential travel | 0.1 in (2.5 mm) |
| Blind zone | 0...2.01 in (0...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 at 0.635 m |
| Status LED | 1 LED (green/red (flashing)) setting-up assistance |
| Current consumption | 50 mA |
| Maximum switching current | 100 mA with overload and short-circuit protection |
| Voltage drop | <= 1 V |
| Switching frequency | <= 10 Hz |
| Delay first up | <= 720 ms |
| Delay response | <= 20 ms |
| Delay recovery | <= 20 ms |
| Marking | CE |
| Threaded length | 1.77 in (45 mm) |
| Height | 1.38 in (35 mm) |
| Width | 1.38 in (35 mm) |
| Depth | 3.35 in (85 mm) |
| Product weight | 0.2 lb(US) (0.091 kg) |

Environment

| | |
|---------------------------------------|--|
| standards | IEC 60947-5-2 |
| product certifications | CCSAus UL |
| ambient air temperature for operation | 32...140 °F (0...60 °C) |
| ambient air temperature for storage | -40...176 °F (-40...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 |

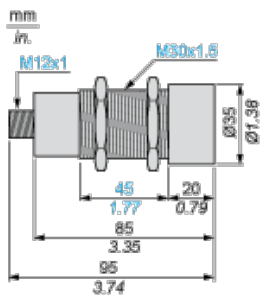
Offer Sustainability

| | |
|--|--|
| Not Green Premium product | Not Green Premium product |
| Compliant - since 1140 - Schneider Electric declaration of conformity | Compliant - since 1140 - Schneider Electric declaration of conformity |
| Reference contains SVHC above the threshold - go to CaP for more details | Reference contains SVHC above the threshold |
| Available | Available |
| 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

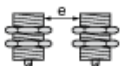
| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



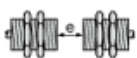
Minimum Mounting Distances

Side by side



e : respect the distances indicated on the detection curves

Face to face

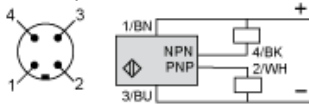


e > 4 x Sn

Wiring Diagram

4-Wire Type

NO outputs, PNP and NPN



- (1) (+)
- (2) PNP output
- (3) (-)
- (4) NPN output

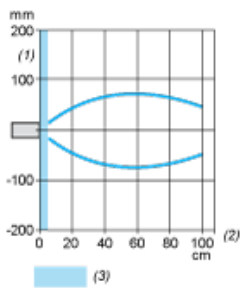
BN Brown

WH White

BU Blue

BK Black

Curves



- (1) Parallel movement
- (2) Distance
- (3) Blind zone for diffuse sensors.

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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