



## Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | Hyde Park                                            |
| Sensor type                   | Ultrasonic sensor                                    |
| Series name                   | Virtu VM1                                            |
| Device short name             | VM1                                                  |
| Sensor design                 | Flat form + cylindrical M18                          |
| [Sn] nominal sensing distance | 20 in (508 mm)                                       |
| Type of sensing window        | Adjustable                                           |
| Material                      | Plastic                                              |
| Enclosure material            | Valox                                                |
| Front material                | Glass epoxy                                          |
| Type of output signal         | Discrete                                             |
| Discrete output function      | 1 NO or 1 NC programmable                            |
| Wiring technique              | 4-wire                                               |
| [Us] rated supply voltage     | 12...24 V DC (overload and short-circuit protection) |
| Supply voltage limits         | 10...28 V DC                                         |
| Discrete output type          | NPN                                                  |
| Electrical connection         | 1 male connector M12 4 pins                          |
| Product specific application  | -                                                    |

## Complementary

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| [Sd] sensing range                    | 2...20 in (50.8...508 mm)                                |
| [Sa] assured operating distance       | 2...20 in (50.8...508 mm) with remote teach push-button  |
| Blind zone                            | 0...2.01 in (0...51 mm)                                  |
| Transmission frequency                | 300 kHz                                                  |
| Repeat accuracy                       | 1.27 %                                                   |
| Beam angle                            | 5 °                                                      |
| Minimum size of detected object       | Cylinder diameter 2.5 mm - up to 200 mm sensing distance |
| Current consumption                   | 40 mA                                                    |
| Maximum switching current             | 100 mA (reverse polarity protection)                     |
| Resistance to electrostatic discharge | 8 kV (level 4) conforming to IEC 61000-4-2               |
| Height                                | 1.72 in (43.7 mm)                                        |
| Width                                 | 0.71 in (18 mm)                                          |
| Depth                                 | 1.72 in (43.7 mm)                                        |
| Length                                | 2.35 in (59.69 mm)                                       |
| Product weight                        | 0.07 lb(US) (0.033 kg)                                   |

## Environment

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| product certifications                | UL                                                       |
| marking                               | CE                                                       |
| NEMA degree of protection             | NEMA 4X (indoor use only)                                |
| IP degree of protection               | IP67                                                     |
| ambient air temperature for operation | -22...158 °F (-30...70 °C)                               |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)                               |
| relative humidity                     | 100 % without condensation                               |
| 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 electromagnetic fields  | 9.14 V/yd (10 V/m) (level 3) conforming to IEC 61000-4-3 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the Schneider Electric group. It 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.

Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Compliant - since 1150 - Schneider Electric declaration of conformity                                                      | Compliant - since 1150 - 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 <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 |
|-----------------|-----------|



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- 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);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.