



## Main

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Range of product              | Hyde Park                                            |
| Sensor type                   | Ultrasonic sensor                                    |
| Series name                   | Virtu VM18                                           |
| Device short name             | VM18                                                 |
| Sensor design                 | Cylindrical M18                                      |
| [Sn] nominal sensing distance | 20 in (508 mm)                                       |
| Type of sensing window        | Adjustable                                           |
| Material                      | Plastic                                              |
| Enclosure material            | PBT                                                  |
| Front material                | Glass epoxy                                          |
| Type of output signal         | Discrete                                             |
| Discrete output function      | 1 NO                                                 |
| ISO thread                    | M18 x 1                                              |
| 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  | Dual-level - pump-in latch                           |

## 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 |
| Status LED                            | 1 LED - green - output not active                        |
| 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                                | 0.71 in (18 mm)                                          |
| Width                                 | 0.71 in (18 mm)                                          |
| Depth                                 | 0.71 in (18 mm)                                          |
| Length                                | 3.06 in (77.62 mm)                                       |
| Product weight                        | 0.07 lb(US) (0.033 kg)                                   |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| standards                             | EN 60947                   |
| 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 |

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|                                      |                                                          |
|--------------------------------------|----------------------------------------------------------|
| 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 |
| 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                               |
| Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Diisodecyl 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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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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