

### Main

|                              |   |
|------------------------------|---|
| Range of product             | Hyde Park   |
| Sensor type                  | Ultrasonic sensor                                       |
| Series name                  | Virtu VM1   |
| Device short name            | VM1   |
| Sensor design                | Flat form + cylindrical M18                             |
| Type of sensing window       | Adjustable  |
| Material                     | Plastic   |
| Enclosure material           | Valox   |
| Front material               | Glass epoxy   |
| Type of output signal        | Analog  |
| ISO thread                   | M18 x 1   |
| Wiring technique             | 4-wire  |
| [Us] rated supply voltage    | 15...24 V DC with overload and short-circuit protection |
| Supply voltage limits        | 13...28 V DC  |
| Analogue output range        | 4...20 mA autoslope                                     |
| Electrical connection        | Male connector M12 4 pins                               |
| Product specific application | -   |

### Complementary

|                                 |  |
|---------------------------------|--|
| [Sn] nominal sensing distance   | 508 mm   |
| [Sd] sensing range              | 50.8...508 mm  |
| Blind zone                      | 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       | 40 mA with reverse polarity protection                   |
| Height                          | 43.7 mm  |
| Width                           | 18 mm  |
| Depth                           | 43.7 mm  |
| Length                          | 65.61 mm   |
| Net weight                      | 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 | -30...70 °C  |
| Ambient air temperature for storage   | -40...85 °C  |
| Relative humidity                     | 100 % without condensation                                 |
| Vibration resistance                  | +/-1 mm conforming to IEC 60068-2-6 (f = 10...55 Hz)       |
| Shock resistance                      | 30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27 |
| Resistance to electromagnetic fields  | 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                   |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

## Offer Sustainability

|  |   |
|--|---|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
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