

VM1PPI0000Q

Hyde Park, ultrasonic sensor flat form + M18, dual level Sn508mm, NO, 12...24 VDC, M12



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 | Discrete |
| Discrete output function | 1 NO |
| Wiring technique | 4-wire |
| [Us] rated supply voltage | 12...24 V DC with overload and short-circuit protection |
| Supply voltage limits | 10...28 V DC |
| Discrete output type | PNP |
| Electrical connection | Male connector M12 4 pins |
| Product specific application | Dual-level - pump-in latch |

Complementary

| | |
|---------------------------------------|--|
| [Sn] nominal sensing distance | 508 mm |
| [Sd] sensing range | 50.8...508 mm |
| [Sa] assured operating distance | 50.8...508 mm remote teach push-button |
| Blind zone | 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 | Output not active: 1 LED (green) |
| Current consumption | 40 mA |
| Maximum switching current | 100 mA with reverse polarity protection |
| Resistance to electrostatic discharge | 8 kV level 4 conforming to IEC 61000-4-2 |
| Height | 43.7 mm |
| Width | 18 mm |
| Depth | 43.7 mm |
| Length | 59.69 mm |
| Net weight | 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 | -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 |
| Package 1 Height | 8.415 cm |
| Package 1 Width | 1.27 cm |
| Package 1 Length | 8.415 cm |
| Package 1 Weight | 362.874 g |

Offer Sustainability

| | |
|--|---|
| Sustainable offer status | Green Premium product |
| 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 www.P65Warnings.ca.gov |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

Contractual warranty

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