

Main

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| Range of product | Hyde Park |
| Sensor type | Ultrasonic sensor |
| Series name | Superprox 900 |
| Device short name | SM956 |
| Sensor design | Cylindrical M30 |
| [Sn] nominal sensing distance | 1 m |
| Type of sensing window | Adjustable |
| Material | Plastic |
| Enclosure material | ULTEM |
| Front material | Silicone rubber |
| Type of output signal | Analog |
| ISO thread | M30 x 1.5 |
| Wiring technique | 4-wire |
| [Us] rated supply voltage | 15...24 V DC (overload and short-circuit protection) |
| Supply voltage limits | 13...28 V DC |
| Analogue output range | 4...20 mA direct |
| Electrical connection | 1 male connector M12 4 pins |
| Product specific application | Analog output |

Complementary

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| [Sd] sensing range | 0.0508...1 m |
| Maximum differential travel | 2.5 mm |
| Blind zone | 51 mm |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.9 % |
| Beam angle | 10 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm - up to 305 mm sensing distance |
| Current consumption | 80 mA |
| Maximum switching current | 60 mA (reverse polarity protection) |
| Height | 30 mm |
| Width | 34.7 mm |
| Depth | 30 mm |
| Length | 96 mm |
| Product weight | 0.26 kg |

Environment

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| Product certifications | UL |
| Marking | CE |
| NEMA degree of protection | NEMA 4X (indoor use only) |
| IP degree of protection | IP67 |
| Ambient air temperature for operation | 0...50 °C |
| Ambient air temperature for storage | -20...80 °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 for 11 ms conforming to IEC 60068-2-27 |
| Resistance to electromagnetic fields | 10 V/m (level 3) conforming to IEC 61000-4-3 |

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