



Main

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| Range of product | Hyde Park |
| Sensor type | Ultrasonic sensor |
| Series name | Superprox 600 |
| Device short name | SM656 |
| Sensor design | Cylindrical M18 |
| Type of sensing window | Fixed |
| Material | Plastic |
| Enclosure material | ULTEM |
| Front material | Silicone rubber |
| 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 | 0...10 V direct |
| Electrical connection | Male connector M12 4 pins |
| Product specific application | - |

Complementary

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| [Sn] nominal sensing distance | 101.6 mm |
| [Sd] sensing range | 24.6...101.6 mm |
| [Sa] assured operating distance | 25.4...101.6 mm |
| Blind zone | 0...19 mm |
| Transmission frequency | 500 kHz |
| Beam angle | 10 ° |
| Minimum size of detected object | Cylinder diameter 1.59 mm - up to 63.5 mm sensing distance |
| Current consumption | 50 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 | 18 mm |
| Width | 18 mm |
| Depth | 18 mm |
| Length | 73.91 mm |
| Net weight | 0.033 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...60 °C |
| Ambient air temperature for storage | -40...100 °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 |

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| 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

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.415 cm |
| Package 1 Width | 3.81 cm |
| Package 1 Length | 8.415 cm |
| Package 1 Weight | 13.608 g |

Offer Sustainability

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| 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

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| Warranty | 18 months |
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