

Hyde Park, Ultrasonic sensor, dual level, dual setpoint, 30 mm barrel, 12-24 V DC



Main

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| Range of product | Hyde Park |
| Sensor type | Ultrasonic sensor |
| Series name | Superprox 900 |
| Device short name | SM952 |
| Sensor design | Cylindrical M30 |
| Type of sensing window | Adjustable |
| Material | Plastic |
| Enclosure material | ULTEM |
| Front material | Silicone rubber |
| Type of output signal | Discrete |
| Discrete output function | 1 NC |
| ISO thread | M30 x 1.5 |
| 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 | NPN |
| Electrical connection | Male connector M12 4 pins |
| Product specific application | Dual-level - setpoint |

Complementary

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| [Sn] nominal sensing distance | 1 m |
| [Sd] sensing range | 0.0508...1 m |
| Maximum differential travel | 2.5 mm |
| Blind zone | 51 mm |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.87 % |
| Beam angle | 10 ° |
| Minimum size of detected object | Cylinder diameter 1.6 mm - up to 305 mm sensing distance |
| Current consumption | 100 mA |
| Maximum switching current | 100 mA with reverse polarity protection |
| Height | 30 mm |
| Width | 34.7 mm |
| Depth | 30 mm |
| Length | 96 mm |
| Net 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 (f = 10...55 Hz) |

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| 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

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.572 cm |
| Package 1 Width | 9.906 cm |
| Package 1 Length | 13.462 cm |
| Package 1 Weight | 117.934 g |

Offer Sustainability

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| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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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