

Main

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| Range of product | Hyde Park |
| Sensor type | Ultrasonic sensor |
| Series name | Superprox 300 |
| Device short name | SM340 |
| Sensor design | Flat form miniature |
| [Sn] nominal sensing distance | 101.6 mm |
| Type of sensing window | Fixed |
| Material | Plastic |
| Enclosure material | ULTEM |
| Front material | Glass epoxy |
| Type of output signal | Discrete |
| Discrete output function | 1 NO |
| Wiring technique | 3-wire |
| [Us] rated supply voltage | 12...24 V DC (overload and short-circuit protection) |
| Supply voltage limits | 10...28 V DC |
| Discrete output type | NPN |
| Electrical connection | Remote male connector M8 3 pins 152 mm |
| Product specific application | Discrete proximity |

Complementary

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| [Sd] sensing range | 6.3 mm...101.6 m |
| Maximum differential travel | 0.7 mm |
| Blind zone | 6.4 mm |
| Transmission frequency | 500 kHz |
| Repeat accuracy | 0.7 % |
| Beam angle | 8 ° |
| Minimum size of detected object | Cylinder diameter 2.5 mm - up to 1 mm sensing distance |
| Current consumption | 25 mA |
| Maximum switching current | 100 mA (reverse polarity protection) |
| Height | 7.62 mm |
| Width | 19.05 mm |
| Depth | 7.62 mm |
| Length | 33.02 mm |
| Product weight | 0.04 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 | -30...70 °C |
| Ambient air temperature for storage | -40...100 °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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