



Main

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| Range of Product | Hyde Park |
| Sensor Type | Ultrasonic sensor |
| Series name | Superprox + |
| Device short name | SC650 |
| Sensor design | Cylindrical M18 |
| [Sn] nominal sensing distance | 10.00 in (254 mm) |
| Type of sensing window | Configurable |
| Material | Plastic |
| Enclosure Material | ULTEM |
| Front material | Silicone rubber |
| Type of output signal | Discrete |
| ISO thread | M18 x 1 |
| Wiring Technique | 4-wire |
| [Us] rated supply voltage | 12...24 V DC overload and short-circuit protection |
| Supply voltage limits | 10...28 V DC |
| Electrical connection | 1 male connector M12 4 pins |
| Product Specific Application | Discrete proximity |

Complementary

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|---------------------------------|--|
| Maximum differential travel | 0.01 in (0.35 mm) |
| Blind zone | 0.75 in (19 mm) |
| Transmission frequency | 500 kHz |
| Repeat accuracy | 0.07 % |
| Beam angle | 7 ° |
| Minimum size of detected object | Cylinder diameter 1.59 mm - up to 76.2 mm sensing distance |
| Current Consumption | 60 mA |
| Maximum switching current | 100 mA reverse polarity protection |
| Height | 0.71 in (18 mm) |
| Width | 0.71 in (18 mm) |
| Depth | 0.71 in (18 mm) |
| Length | 2.91 in (73.91 mm) |
| Net Weight | 0.07 lb(US) (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 | 32...140 °F (0...60 °C) |
| Ambient Air Temperature for Storage | -40...212 °F (-40...100 °C) |
| Relative humidity | 100 % without condensation |
| Vibration resistance | +/-1 mm 10...55 Hz)IEC 60068-2-6 |
| Shock resistance | 30 gn in all 3 axes 11 ms IEC 60068-2-27 |
| Resistance to electromagnetic fields | 9.14 V/m (10 V/m) level 3 IEC 61000-4-3 |
| Resistance to fast transients | 1 kV level 3 IEC 61000-4-4 |


Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 3389119086554 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.48 oz (13.608 g) |
| Returnability | No |
| Country of origin | US |

Packing Units

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|------------------------|--------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 3.31 in (8.415 cm) |
| Package 1 width | 1.50 in (3.81 cm) |
| Package 1 Length | 3.31 in (8.415 cm) |

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 Diisodecyl 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 |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |

Contractual warranty

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