



Main

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| Range of Product | Hyde Park |
| Sensor Type | Ultrasonic sensor |
| Series name | Superprox + |
| Device short name | SC650 |
| Sensor design | Flat form |
| Type of sensing window | Configurable |
| Material | Plastic |
| Enclosure Material | ULTEM |
| Front material | Silicone rubber |
| Type of output signal | Discrete |
| 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 | Male connector M12 4 pins |
| Product Specific Application | Discrete proximity |

Complementary

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|---------------------------------|--|
| [Sn] nominal sensing distance | 10.00 in (254 mm) |
| Maximum differential travel | 0.01 in (0.35 mm) |
| Blind zone | 2.01 in (51 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 | 0.64 in (16.25 mm) |
| Width | 1.2 in (30 mm) |
| Depth | 0.64 in (16.25 mm) |
| Length | 3.32 in (84.32 mm) |
| Net Weight | 0.15 lb(US) (0.07 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 | US10DS222490 |
| Discount Schedule | 0DS2 |
| GTIN | 3389119086530 |
| Returnability | Yes |

Packing Units

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|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.575 in (4.000 cm) |
| Package 1 Width | 3.346 in (8.500 cm) |
| Package 1 Length | 3.346 in (8.500 cm) |
| Package 1 Weight | 2.504 oz (71.000 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 42 |
| Package 2 Height | 5.9 in (15 cm) |
| Package 2 Width | 11.8 in (30 cm) |
| Package 2 Length | 15.7 in (40 cm) |
| Package 2 Weight | 7.13 lb(US) (3.232 kg) |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 672 |
| Package 3 Height | 17.717 in (45.000 cm) |
| Package 3 Width | 31.496 in (80.000 cm) |
| Package 3 Length | 47.244 in (120.000 cm) |
| Package 3 Weight | 140.46 lb(US) (63.712 kg) |

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

Contractual warranty

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| Warranty | 18 months |
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