



Main

| | |
|-------------------------------|--|
| Range of product | Hyde Park |
| Sensor Type | Ultrasonic sensor |
| Series name | Superprox 900 |
| Device short name | SM950 |
| Sensor design | Cylindrical M30 |
| [Sn] nominal sensing distance | 3.28 ft (1 m) |
| 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 overload and short-circuit protection |
| Supply voltage limits | 10...28 V DC |
| Discrete output type | PNP/NPN |
| Electrical connection | 1 male connector M12 4 pins |
| Product Specific Application | Discrete proximity |

Complementary

| | |
|---------------------------------|--|
| [Sd] sensing range | 0.17...3.28 ft (0.0508...1 m) |
| Maximum differential travel | 0.10 in (2.5 mm) |
| Blind zone | 2.01 in (51 mm) |
| Transmission frequency | 200 kHz |
| Repeat accuracy | 0.87 % |
| 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 reverse polarity protection |
| Height | 1.18 in (30 mm) |
| Width | 1.37 in (34.7 mm) |
| Depth | 1.18 in (30 mm) |
| Length | 3.78 in (96 mm) |
| Product Weight | 0.57 lb(US) (0.26 kg) |

Environment

| | |
|---------------------------------------|--|
| 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...122 °F (0...50 °C) |
| Ambient Air Temperature for Storage | -4...176 °F (-20...80 °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

| | |
|-----------------------|------------------------------------|
| Category | 22490 - SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule | DS2 |
| GTIN | 3389119117333 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.16 oz (117.934 g) |
| Returnability | No |
| Country of origin | US |

Packing Units

| | |
|------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.80 in (4.572 cm) |
| Package 1 width | 3.90 in (9.906 cm) |
| Package 1 Length | 5.30 in (13.462 cm) |

Offer Sustainability

| | |
|---------------------------|---|
| 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

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