



## Main

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Range of product              | Hyde Park                                          |
| Sensor type                   | Ultrasonic sensor                                  |
| Series name                   | Superprox 900                                      |
| Device short name             | SM956                                              |
| Sensor design                 | Cylindrical M30                                    |
| [Sn] nominal sensing distance | 26.25 ft (8 m)                                     |
| Type of sensing window        | Adjustable                                         |
| Material                      | Plastic                                            |
| Enclosure material            | ULTEM                                              |
| Front material                | Glass epoxy                                        |
| Type of output signal         | Analog                                             |
| ISO thread                    | M30 x 1.5                                          |
| Wiring technique              | 4-wire                                             |
| [Us] rated supply voltage     | 15...24 V DC overload and short-circuit protection |
| Supply voltage limits         | 13...28 V DC                                       |
| Analogue output range         | 4...20 mA direct                                   |
| Electrical connection         | 1 male connector M12 4 pins                        |
| Product specific application  | -                                                  |

## Complementary

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| [Sd] sensing range                    | 0.67...26.25 ft (0.203...8 m)                              |
| [Sa] assured operating distance       | 0.67...26.25 ft (0.203...8 m) teach push-button            |
| Maximum differential travel           | 0.50 in (12.7 mm)                                          |
| Blind zone                            | 0.00...7.99 in (0...203 mm)                                |
| Transmission frequency                | 75 kHz                                                     |
| Repeat accuracy                       | 2.54 %                                                     |
| Beam angle                            | 10 °                                                       |
| Minimum size of detected object       | Cylinder diameter 50.8 mm - up to 4572 mm sensing distance |
| Current consumption                   | 80 mA                                                      |
| Maximum switching current             | 60 mA reverse polarity protection                          |
| Resistance to electrostatic discharge | 8 kV level 4 IEC 61000-4-2                                 |
| Maximum Height                        | 1.18 in (30 mm)                                            |
| Maximum Width                         | 1.70 in (43.18 mm)                                         |
| Maximum Depth                         | 1.18 in (30 mm)                                            |
| Length                                | 4.62 in (117.3 mm)                                         |
| Net Weight                            | 1.98 lb(US) (0.9 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 | -4...140 °F (-20...60 °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                | 00785901658733                     |
| Package weight(Lbs) | 0.42 lb(US) (0.19 kg)              |
| Returnability       | No                                 |
| Country of origin   | US                                 |

### Offer Sustainability

|                           |                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| REACH Regulation          |  <a href="#">REACH Declaration</a>                                                                                                                                                                                          |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                   |

### Contractual warranty

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