



### Main

|                              |  |
|------------------------------|--|
| Range of Product             | Hyde Park  |
| Sensor Type                  | Ultrasonic sensor                                  |
| Series name                  | Superprox 600                                      |
| Device short name            | SM656  |
| Sensor design                | Flat form subcompact                               |
| Type of sensing window       | Fixed  |
| Material                     | Plastic  |
| Enclosure Material           | ULTEM  |
| Front material               | Silicone rubber                                    |
| Type of output signal        | Analog   |
| 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 inverse                                  |
| Electrical connection        | Male connector M12 4 pins                          |
| Product Specific Application | -  |

### Complementary

|                                       |  |
|---------------------------------------|--|
| [Sn] nominal sensing distance         | 2.00 in (50.8 mm)  |
| [Sd] sensing range                    | 1.00...2.00 in (25.4...50.8 mm)                            |
| [Sa] assured operating distance       | 1.00...2.00 in (25.4...50.8 mm)                            |
| Blind zone                            | 0.00...0.75 in (0...19 mm)                                 |
| Transmission frequency                | 500 kHz  |
| Beam angle                            | 10 °   |
| Minimum size of detected object       | Cylinder diameter 1.59 mm - up to 63.5 mm sensing distance |
| Current Consumption                   | 50 mA  |
| Maximum switching current             | 100 mA reverse polarity protection                         |
| Resistance to electrostatic discharge | 8 kV level 4 IEC 61000-4-2                                 |
| Height                                | 0.64 in (16.25 mm)   |
| Width                                 | 1.18 in (30 mm)  |
| Depth                                 | 0.64 in (16.25 mm)   |
| Length                                | 3.32 in (84.32 mm)   |
| Net Weight                            | 0.10 lb(US) (0.045 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...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

|                       |                                  |
|-----------------------|----------------------------------|
| Category              | 22490-SENSORS-ULTRASONIC (XX5,6) |
| Discount Schedule     | DS2                              |
| GTIN                  | 3389119108201                    |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 0.48 oz (13.608 g)               |
| Returnability         | No                               |
| Country of origin     | US                               |

## Packing Units

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

|                           |   |
|---------------------------|---|
| 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 <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 |
|----------|-----------|