

# Product data sheet

## Characteristics

# SM606A67400

## Hyde Park, Ultrasonic sensor, analog, voltage (V), 18 mm barrel, 15-24 V DC



### Main

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| Range of Product              | Hyde Park                                          |
| Sensor Type                   | Ultrasonic sensor                                  |
| Series name                   | Superprox 600                                      |
| Device short name             | SM606                                              |
| Sensor design                 | Cylindrical M18                                    |
| [Sn] nominal sensing distance | 6.00 in (152.4 mm)                                 |
| Type of sensing window        | Fixed                                              |
| Material                      | Plastic                                            |
| Enclosure Material            | ULTEM                                              |
| Front material                | Silicone rubber                                    |
| Type of output signal         | Analog                                             |
| ISO thread                    | M18 x 1                                            |
| 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         | 0...10 V inverse                                   |
| Electrical connection         | Cable, 9.84 ft (3 m)                               |
| Product Specific Application  | Analog output                                      |

### Complementary

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| [Sd] sensing range              | 1.37...6.00 in (34.9...152.4 mm)                           |
| Blind zone                      | 0.75 in (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                         |
| Height                          | 0.71 in (18 mm)                                            |
| Width                           | 0.71 in (18 mm)                                            |
| Depth                           | 0.71 in (18 mm)                                            |
| Length                          | 2.55 in (64.77 mm)                                         |
| Net Weight                      | 0.37 lb(US) (0.17 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                  | 3389119100816                      |
| Nbr. of units in pkg. | 1                                  |
| Package weight(Lbs)   | 5.92 oz (167.829 g)                |
| Returnability         | No                                 |
| Country of origin     | US                                 |

## Packing Units

|                        |                     |
|------------------------|---------------------|
| Unit Type of Package 1 | PCE                 |
| Package 1 Height       | 5.63 in (14.288 cm) |
| Package 1 width        | 2.50 in (6.35 cm)   |
| Package 1 Length       | 5.63 in (14.288 cm) |

## Offer Sustainability

|                           |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisobutyl 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 |
|----------|-----------|

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