

# SM606A67401S

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                                    |
| Type of sensing window       | Fixed                                              |
| Material                     | Stainless steel                                    |
| Enclosure Material           | Stainless steel 303                                |
| 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 direct                                    |
| Electrical connection        | Cable, 9.8 ft (3 m)                                |
| Product Specific Application | Analog output                                      |

## Complementary

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| [Sn] nominal sensing distance   | 6.0000000000 in (152.4 mm)                                 |
| [Sd] sensing range              | 1.4...6.0000000000 in (34.9...152.4 mm)                    |
| Blind zone                      | 0.7 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                          | 0.7 in (18 mm)                                             |
| Width                           | 0.7 in (18 mm)                                             |
| Depth                           | 0.7 in (18 mm)                                             |
| Length                          | 2.55 in (64.77 mm)                                         |
| Net Weight                      | 0.40 lb(US) (0.18 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  | 9.1 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          | US10DS222490   |
| Discount Schedule | 0DS2           |
| GTIN              | 03389119100892 |
| Returnability     | No             |

### Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

### 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> |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                                                                                        |

### Contractual warranty

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