



## 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	6.56 ft (2 m)
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	ULTEM
Front material	Silicone rubber
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	0.39...6.56 ft (0.12...2 m)
[Sa] assured operating distance	0.39...6.56 ft (0.12...2 m) teach push-button
Maximum differential travel	0.10 in (2.5 mm)
Blind zone	0.00...4.72 in (0...120 mm)
Transmission frequency	200 kHz
Repeat accuracy	0.9 %
Beam angle	10 °
Minimum size of detected object	Cylinder diameter 1.6 mm - up to 305 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	1.37 in (34.7 mm)
Maximum Depth	1.18 in (30 mm)
Length	3.78 in (96 mm)
Net 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	03389119124416
Package weight(Lbs)	0.26 lb(US) (0.12 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
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