

# SM900A100000

ultrasonic sensor cylindrical M30 - Sn1m - NO -  
12..24VDC - cable 3m



## Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox 900
Device short name	SM900
Sensor design	Cylindrical M30
[Sn] nominal sensing distance	3.28 ft (1 m)
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	ULTEM
Front material	Silicone rubber
Type of output signal	Discrete
Discrete output function	1 NO
ISO thread	M30 x 1.5
Wiring technique	4-wire
[Us] rated supply voltage	12...24 V DC overload and short-circuit protection
Supply voltage limits	10...28 V DC
Discrete output type	PNP/NPN
Electrical connection	Cable, 9.84 ft (3 m)
Product specific application	-

## Complementary

[Sd] sensing range	0.17...3.28 ft (0.0508...1 m)
[Sa] assured operating distance	0.17...3.28 ft (0.0508...1 m) teach push-button
Maximum differential travel	0.10 in (2.5 mm)
Blind zone	0.00...2.01 in (0...51 mm)
Transmission frequency	200 kHz
Repeat accuracy	0.87 %
Minimum size of detected object	Cylinder diameter 1.6 mm - up to 305 mm sensing distance
Current consumption	100 mA
Maximum switching current	100 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	3.74 in (95 mm)
Net Weight	1.32 lb(US) (0.6 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	03389119112086
Package weight(Lbs)	0.53 lb(US) (0.24 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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