Product data sheet
Characteristics

SM900A100000S
Hyde Park, ultrasonic sensor cylindrical M30, Sn1m, NO, 12...24 VDC, cable 3 m



Main

Range of Product	Hyde Park
Sensor Type	Ultrasonic sensor
Series name	Superprox 900
Device short name	SM900
Sensor design	Cylindrical M30
Type of sensing window	Adjustable
Material	Stainless steel
Enclosure Material	Stainless steel 303
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

[Sn] nominal sensing distance	3.28 ft (1 m)
[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
Height	1.18 in (30 mm)
Width	1.37 in (34.7 mm)
Depth	1.18 in (30 mm)
Length	3.74 in (95 mm)
Net Weight	2.09 lb(US) (0.95 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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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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	3389119112116
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
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)
Package 1 Weight	13.76 oz (390.089 g)

Offer Sustainability

Sustainable offer status	Green Premium product
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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months