

SC950A100S

Hyde Park, Ultrasonic sensor, discrete, 30 mm barrel, 12 24 V DC



Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox +
Device short name	SC950
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
ISO thread	M30 x 1.5
Wiring technique	4-wire
[Us] rated supply voltage	12...24 V DC with overload and short-circuit protection
Supply voltage limits	10...28 V DC
Electrical connection	Male connector M12 4 pins
Product specific application	Discrete proximity

Complementary

[Sn] nominal sensing distance	1 m
[Sd] sensing range	0.0508...1 m
Maximum differential travel	2.5 mm
Blind zone	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 with reverse polarity protection
Height	30 mm
Width	34.7 mm
Depth	30 mm
Length	96 mm
Net weight	0.9 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	0...50 °C
Ambient air temperature for storage	-20...80 °C
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 (f = 10...55 Hz)
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27
Resistance to electromagnetic fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV level 3 conforming to IEC 61000-4-4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.97 cm
Package 1 Width	9.525 cm
Package 1 Length	12.7 cm
Package 1 Weight	226.796 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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