# Product data sheet Characteristics

# SC950A4CE0829A

# Hyde Park, superprox ultrasonic proximity sensor

#### Main

Range of Product	Hyde Park
Sensor Type	Ultrasonic sensor
Series name	Superprox +
Device short name	SC950
Sensor design	Cylindrical M30
[Sn] nominal sensing distance	6.56 ft (2 m)
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	1224 V DC overload and short-circuit protection
Supply voltage limits	1028 V DC
Electrical connection	1 male connector M12 4 pins
Product Specific Application	Discrete proximity

#### Complementary

[Sd] sensing range	0.396.56 ft (0.122 m)
Maximum differential travel	0.10 in (2.5 mm)
Blind zone	4.72 in (120 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
Height	1.18 in (30 mm)
Width	1.37 in (34.7 mm)
Depth	1.18 in (30 mm)
Length	3.78 in (96 mm)
Net Weight	1.98 lb(US) (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	32122 °F (050 °C)	
Ambient Air Temperature for Storage	-4176 °F (-2080 °C)	
Relative humidity	100 % without condensation	
Vibration resistance	+/-1 mm 1055 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	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interested for a set of or determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

### Ordering and shipping details

22490 - SENSORS-ULTRASONIC (XX5,6)	
DS2	
03389119087131	
1	
0.08 lb(US) (0.04 kg)	
No	
US	
	DS2 03389119087131 1 0.08 lb(US) (0.04 kg) No

## 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 www.P65Warnings.ca.gov
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

#### Contractual warranty

Contractical Harristy		
Warranty	18 months	