



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	26.25 ft (8 m)
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	ULTEM
Front material	Glass epoxy
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 autoslope
Electrical connection	1 male connector M12 4 pins
Product specific application	-

Complementary

[Sd] sensing range	0.67...26.25 ft (0.203...8 m)
[Sa] assured operating distance	0.67...26.25 ft (0.203...8 m) with teach push-button
Maximum differential travel	0.5 in (12.7 mm)
Blind zone	0...7.99 in (0...203 mm)
Transmission frequency	75 kHz
Repeat accuracy	2.54 %
Beam angle	10 °
Minimum size of detected object	Cylinder diameter 50.8 mm - up to 4572 mm sensing distance
Current consumption	80 mA
Maximum switching current	60 mA (reverse polarity protection)
Resistance to electrostatic discharge	8 kV (level 4) conforming to IEC 61000-4-2
Height	1.18 in (30 mm)
Width	1.7 in (43.18 mm)
Depth	1.18 in (30 mm)
Length	4.62 in (117.3 mm)
Product 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	-4...140 °F (-20...60 °C)
ambient air temperature for storage	-4...176 °F (-20...80 °C)
relative humidity	100 % without condensation
vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
shock resistance	30 gn in all 3 axes 11 ms conforming to IEC 60068-2-27

This information provided in this documentation contains general descriptions and/or technical characteristics of the products of the Schneider Electric group. It is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

resistance to electromagnetic fields	9.14 V/yd (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

Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 1150 - Schneider Electric declaration of conformity	Compliant - since 1150 - Schneider Electric declaration of conformity
Reference contains SVHC above the threshold - go to CaP for more details	Reference contains SVHC above the threshold
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
-----------------	-----------