



### Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox 600
Device short name	SM656
Sensor design	Flat form subcompact
[Sn] nominal sensing distance	50.8 mm
Type of sensing window	Fixed
Material	Plastic
Enclosure material	ULTEM
Front material	Silicone rubber
Type of output signal	Analog
Wiring technique	4-wire
[Us] rated supply voltage	15...24 V DC with overload and short-circuit protection
Supply voltage limits	13...28 V DC
Analogue output range	4...20 mA inverse
Electrical connection	1 male connector M12 4 pins
Product specific application	-

### Complementary

[Sd] sensing range	25.4...50.8 mm
[Sa] assured operating distance	25.4...50.8 mm
Blind zone	0...19 mm
Transmission frequency	500 kHz
Beam angle	10 °
Minimum size of detected object	Cylinder diameter 1.59 mm - up to 63.5 mm sensing distance
Current consumption	50 mA
Maximum switching current	100 mA with reverse polarity protection
Resistance to electrostatic discharge	8 kV level 4 conforming to IEC 61000-4-2
Height	16.25 mm
Width	30 mm
Depth	16.25 mm

Length	84.32 mm
Net weight	0.045 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...60 °C
Ambient air temperature for storage	-40...100 °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

## Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
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## Contractual warranty

Warranty	18 months
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