

SM656A79601

Hyde Park, Ultrasonic sensor, analog, voltage (V), 18 mm barrel, 15 24 V DC



Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox 600
Device short name	SM656
Sensor design	Cylindrical M18
Type of sensing window	Fixed
Material	Plastic
Enclosure material	ULTEM
Front material	Silicone rubber
Type of output signal	Analog
ISO thread	M18 x 1
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	0...10 V direct
Electrical connection	Male connector M12 4 pins
Product specific application	Analog output

Complementary

[Sn] nominal sensing distance	177.8 mm
[Sd] sensing range	25.8...177.8 mm
Blind zone	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
Height	18 mm
Width	18 mm
Depth	18 mm
Length	73.91 mm
Net weight	0.033 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.415 cm
Package 1 Width	3.81 cm
Package 1 Length	8.415 cm
Package 1 Weight	58.967 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
----------	-----------