

Hyde Park, Ultrasonic sensor, discrete, flat profile, 12...24 V DC



Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox +
Device short name	SC350
Sensor design	Flat form
Type of sensing window	Configurable
Material	Plastic
Enclosure material	ULTEM
Front material	Glass epoxy
Type of output signal	Discrete
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	Remote male connector M8 4 pins, 152 mm cable length
Product specific application	Discrete proximity

Complementary

[Sn] nominal sensing distance	101.6 mm
Maximum differential travel	0.7 mm
Blind zone	6.4 mm
Transmission frequency	500 kHz
Repeat accuracy	0.7 %
Beam angle	8 °
Minimum size of detected object	Cylinder diameter 2.5 mm - up to 1 mm sensing distance
Current consumption	25 mA
Maximum switching current	100 mA with reverse polarity protection
Height	7.62 mm
Width	19.05 mm
Depth	7.62 mm
Length	33.02 mm
Net weight	0.04 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	-30...70 °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	226.796 g

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

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