

# Product data sheet

Specifications



## Hyde Park, Ultrasonic sensor, discrete, 12 mm barrel, 12 24 V DC

SC300A400

Product availability : Stock - Normally stocked in distribution facility

**Price\* : 175.00 USD**

### Main

Range of Product	Hyde Park
Sensor Type	Ultrasonic sensor
Series name	Superprox +
Device short name	SC300
Sensor design	Cylindrical M12
Type of sensing window	Configurable
Material	Plastic
Enclosure Material	ULTEM
Front material	Glass epoxy
Type of output signal	Discrete
ISO thread	M12 x 1
Wiring Technique	4-wire
[Us] rated supply voltage	12...24 V DC overload and short-circuit protection
Supply voltage limits	10...28 V DC
Electrical connection	Cable, 9.84 ft (3 m)
Product Specific Application	Discrete proximity

### Complementary

[Sn] nominal sensing distance	4.00 in (101.6 mm)
Maximum differential travel	0.03 in (0.7 mm)
Blind zone	0.25 in (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 reverse polarity protection

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Height	0.47 in (12 mm)
Width	0.47 in (12 mm)
Depth	0.47 in (12 mm)
Length	2.09 in (53.08 mm)
Net Weight	0.02 lb(US) (0.011 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	-22...158 °F (-30...70 °C)
Ambient Air Temperature for Storage	-40...212 °F (-40...100 °C)
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm 10...55 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

## Ordering and shipping details

Category	22490-SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389119608008
Returnability	No
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.63 in (14.288 cm)
Package 1 Width	2.50 in (6.35 cm)
Package 1 Length	5.63 in (14.288 cm)
Package 1 Weight	1.12 oz (31.752 g)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

## Contractual warranty

Warranty	18 months
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**Recommended replacement(s)**