

Product data sheet

Characteristics

SM330A46000FP

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



Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 208.00 USD



Main

Range of Product	Hyde Park
Sensor Type	Ultrasonic sensor
Series name	Superprox 300
Device short name	SM330
Sensor design	Flat form miniature
[Sn] nominal sensing distance	4.00 In (101.6 mm)
Type of sensing window	Fixed
Material	Plastic
Enclosure Material	ULTEM
Front material	Glass epoxy
Type of output signal	Discrete
Discrete output function	1 NO
Wiring Technique	3-wire
[Us] rated supply voltage	12...24 V DC overload and short-circuit protection
Supply voltage limits	10...28 V DC
Discrete output type	PNP
Electrical connection	Remote male connector M8 3 pins, 5.98 in (152 mm)
Product Specific Application	Discrete proximity

Complementary

[Sd] sensing range	0.25...4.00 In (6.3...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

Maximum Height	0.30 In (7.62 mm)
Maximum Width	0.75 In (19.05 mm)
Maximum Depth	0.30 In (7.62 mm)
Length	1.30 In (33.02 mm)
Net Weight	0.09 Lb(US) (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	-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	00785901819875
Nbr. of units in pkg.	1
Package weight(Lbs)	4.16 Oz (117.934 g)
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.31 In (8.415 cm)
Package 1 width	1.50 In (3.81 cm)
Package 1 Length	3.31 In (8.415 cm)

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 Diisodecyl 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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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Product Life Status : Commercialised
