

Product data sheet

Characteristics

VM18NPO0000Q

ultrasonic sensor cylindrical M18 - dual-level Sn508mm - NO - 12..24VDC - M12

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



Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Virtu VM18
Device short name	VM18
Sensor design	Cylindrical M18
[Sn] nominal sensing distance	20 in (508 mm)
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	PBT
Front material	Glass epoxy
Type of output signal	Discrete
Discrete output function	1 NO
ISO thread	M18 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
Discrete output type	NPN
Electrical connection	1 male connector M12 4 pins
Product specific application	Dual-level - pump-out latch

Complementary

[Sd] sensing range	2...20 in (50.8...508 mm)
[Sa] assured operating distance	2...20 in (50.8...508 mm) with remote teach push-button
Blind zone	0...2.01 in (0...51 mm)
Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Beam angle	5 °
Minimum size of detected object	Cylinder diameter 2.5 mm - up to 200 mm sensing distance
Status LED	1 LED - green - output not active
Current consumption	40 mA
Maximum switching current	100 mA (reverse polarity protection)
Resistance to electrostatic discharge	8 kV (level 4) conforming to IEC 61000-4-2
Height	0.71 in (18 mm)
Width	0.71 in (18 mm)
Depth	0.71 in (18 mm)
Length	3.06 in (77.62 mm)
Product weight	0.07 lb(US) (0.033 kg)

Environment

Standards	EN 60947
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...185 °F (-40...85 °C)
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 10...55 Hz
Shock resistance	30 gn in all 3 axes 11 ms conforming to IEC 60068-2-27
Resistance to electromagnetic fields	9.14 V/yd (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

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	003389119062589
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14000000000000001
Returnability	N
Country of origin	US

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1150 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details-  Go to CaP for more details
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[VM18NPO0000Q](#)