

Industrial VRS Magnetic Speed Sensors

5/8 INCH (M16*) SENSORS CONTINUED (All dimensions for reference only. mm/[in])

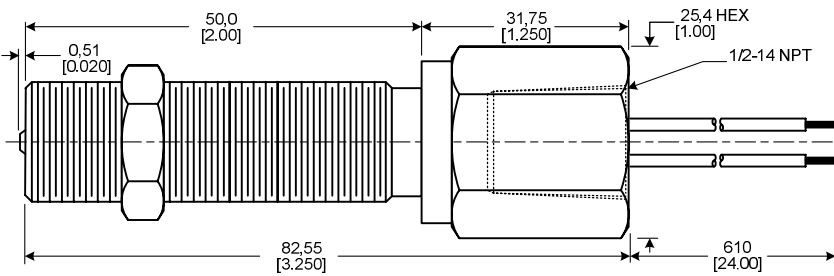
*Contact Honeywell for availability of metric mounting thread versions.

General Specifications

Parameter	Characteristic	Parameter	Characteristic
Min. output voltage	190 Vp-p	Inductance	450 mH max.
Coil resistance	910 Ohm to 1200 Ohm	Gear pitch range	24 DP (module 1.06) or coarser
Pole piece diameter	2,69 mm [0.106 in]	Optimum actuator	20 DP (module 1.27) ferrous metal gear
Min. surface speed	0,25 m/s [10 in/s] typ.	Max. operating frequency	15 kHz typ.
Operating temp. range	-55 °C to 120 °C [-67 °F to 250 °F]	Vibration	Mil-Std 202F Method 204D
Mounting thread	5/8-18 UNF-2A	Termination	20 AWG Teflon-insulated leads

Test Condition Specifications

Parameter	Characteristic
Surface speed	25 m/s [1000 in/s]
Gear	20 DP (module 1.27)
Air gap	0,127 mm [0.005 in]
Load resistance	100 kOhm

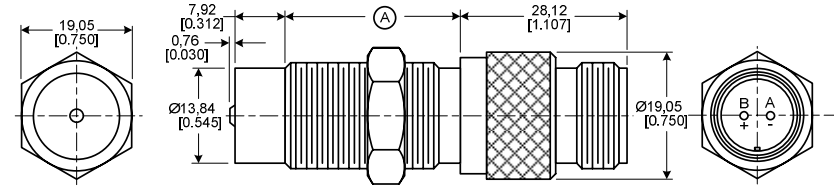
Catalog Listing	Weight	
3030H20	140 g [5.0 oz]	

General Specifications

Parameter	Characteristic	Parameter	Characteristic
Min. output voltage	190 Vp-p	Inductance	450 mH max.
Coil resistance	910 Ohm to 1200 Ohm	Gear pitch range	24 DP (module 1.06) or coarser
Pole piece diameter	2,69 mm [0.106 in]	Optimum actuator	20 DP (module 1.27) ferrous metal gear
Min. surface speed	0,25 m/s [10 in/s] typ.	Max. operating frequency	15 kHz typ.
Operating temp. range	-55 °C to 120 °C [-67 °F to 250 °F]	Vibration	Mil-Std 202F Method 204D
Mounting thread	5/8-18 UNF-2A	Termination	MS3106 connector

Test Condition Specifications

Parameter	Characteristic
Surface speed	25 m/s [1000 in/s]
Gear	20 DP (module 1.27)
Air gap	0,127 mm [0.005 in]
Load resistance	100 kOhm

Catalog Listing	Thread Length (A)	Weight	
3030A	35 mm 1.4 in]	70 g [2.5 oz]	
3030A25	63 mm [2.5 in]	84 g [3.5 oz]	

High Output

5/8 INCH (M16*) SEALED FRONT-END SENSORS (All dimensions for reference only. mm/[in])

*Contact Honeywell for availability of metric mounting thread versions.

HIGH RESISTANCE COILS FOR MAXIMUM OUTPUT VOLTAGE APPLICATIONS

General Specifications

Parameter	Characteristic	Parameter	Characteristic
Min. output voltage	175 Vp-p	Inductance	450 mH max.
Coil resistance	910 to 1200 Ohm	Gear pitch range	24 DP (module 1.06) ferrous metal gear
Pole piece diameter	2,69 mm [0.106 in]	Optimum actuator	--
Minimum surface speed	0,25 m/s [10 in/s] typ.	Maximum operating frequency	15 kHz typ.
Operating temp. range	-55 °C to 150 °C [-67 °F to 300 °F]	Vibration	Mil-Std 202F Method 204D
Mounting thread	5/8-18 UNF-2A	Termination	MS3106 connector

Test Condition Specifications

Parameter	Characteristic
Surface speed	25 m/s [1000 in/s]
Gear	20 DP (module 1.27)
Air gap	0,127 mm [0.005 in]
Load resistance	100 kOhm

Catalog Listing	Thread Length (A)	Weight	Diagram	
MA230SAN	28 mm [1.1 in]	70 g [2.0 oz]	<p>Technical drawing showing dimensions: 19,05 [0.750] (pole piece diameter), 28,12 [1.107] (total length), and Ø19,05 [0.750] (pole piece diameter). A label 'BRAZED THROUGH POLE PIECE' points to the pole piece. A dimension 'A' is indicated for the thread length.</p>	<p>Cross-sectional view of the pole piece showing dimensions B (outer diameter) and A (inner diameter).</p>
MA233SAN	76 mm [3.0 in]	98 g [3.5 oz]		