

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	40 Vp-p	Inductance	25 mH max.
Coil resistance	45 Ohm to 85 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	0,50 m/s [20 in/s] typ.	Max. operating frequency	50 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	
3010H20	140 g [5.0 oz]	

Catalog Listing	Thread Length (A)	Weight	
3010S20	50 mm [2.0 in]	70 g [2.5 oz]	
3010S30	76 mm [3.0 in]	84 g [3.0 oz]	

General Purpose

3/8 INCH (M12*) SENSORS

*Contact Honeywell for availability of metric mounting thread versions.

General Specifications

Parameter	Characteristic	Parameter	Characteristic
Min. output voltage	20 Vp-p	Inductance	15 mH max.
Coil resistance	45 Ohm to 65 Ohm	Gear pitch range	26 DP (module 0.98) or coarser
Pole piece diameter	2,36 mm [0.093 in]	Optimum actuator	24 DP (module 1.06) ferrous metal gear
Min. surface speed	0,50 m/s [20 in/s] typ.	Max. operating frequency	50 kHz typ.
Operating temp. range	-40 °C to 107 °C [-40 °F to 225 °F]	Vibration	Mil-Std 202F Method 204D
Mounting thread	3/8-24 UNF-2A	Termination	24 AWG vinyl-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	Thread Length (A)	Weight	
3015A	20 mm [0.8 in]	28 g [1.0 oz]	
3015A17	44 mm [1.7 in]	35 g [1.2 oz]	
3015A35	88 mm [3.5 in]	42 g [1.5 oz]	

Catalog Listing	Weight	
3015S13	28 g [1.0 oz]	

Catalog Listing	Thread Length (A)	Weight	
3015SS13	30 mm [1.2 in]	28 g [1.0 oz]	
3015SS25	63 mm [2.5 in]	42 g [152 oz]	