



# 5/8 M16\* 584XXHV/LV SERIES DIGITAL MAGNETIC SPEED SENSORS



FOR APPLICATIONS REQUIRING HIGHER OPERATING VOLTAGES, REVERSE POLARITY PROTECTION AND/OR A SQUARE WAVE OUTPUT SIGNAL. REFERENCE SENSITIVITY CURVES FOLLOWING FOR EACH MODEL NUMBER. ALIGNMENT NOT REQUIRED. COMMON IS NOT CONNECTED TO HOUSING.

SUPPLY VOLTAGE: 5 to 15 VDC @ 24mA max. (LV units)  
10 to 30 VDC @ 24mA max. (HV units)  
*Reverse polarity protected.*

OUTPUT SIGNAL: Square Wave  
Low: 350 mV max. @ 20mA maximum current sink  
High:  $= \frac{R_L \times V_s}{R_L + 2.2K}$   $R_L$  = load resistance in K ohms  
 $V_s$  = supply voltage in VDC

OPER. TEMP. RANGE: -40 to 225F (-40 to 107C)

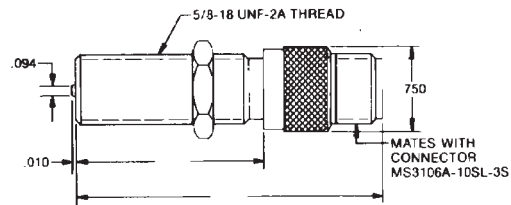
HOUSING MATERIAL: 300 Stainless Steel

VIBRATION: Meets Mil-Std 202F Method 204D

SENSORS WITH 5/8-18 UNF-2A MOUNTING THREAD\*, MS3106 CONNECTOR, 10 KHz TYPICAL FREQUENCY RESPONSE.

MODEL	THREAD LENGTH	OVERALL LENGTH	WEIGHT
58426HV/LV	1.8" (45 mm)	3.0" (76 mm)	3.0 oz. (85 gr.)
58426HV/LVA30	3.0" (76 mm)	4.1" (104 mm)	5.0 oz. (142 gr.)

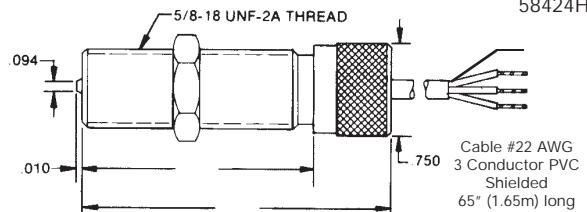
*Mates with 41009(VR) Connector or CA310 Cable Assembly*



58426HV

SENSORS WITH 5/8-18 UNF-2A MOUNTING THREAD\*, AWG 22 PVC SHIELDED CABLE 65" (1.65 m) LONG, 10 KHz TYPICAL FREQUENCY RESPONSE.

MODEL	THREAD LENGTH	OVERALL LENGTH	WEIGHT
58424HV/LV	1.8" (45 mm)	2.5" (63 mm)	3.0 oz. (85 gr.)
58424HV/LVA30	3.0" (76 mm)	3.7" (94 mm)	5.0 oz. (142 gr.)



58424HV

*\*For Metric Mounting Thread Versions, add "M" as the first character of the model number. Contact Invensys/Electro for availability and pricing.*

Invensys Sensor Systems / Electro Corporation, U.S.A.  
Tel. 941-355-8411      www.speed-position.invensys.com      Fax 941-355-3120



ISO  
9001

Certificate Number: FMS37434