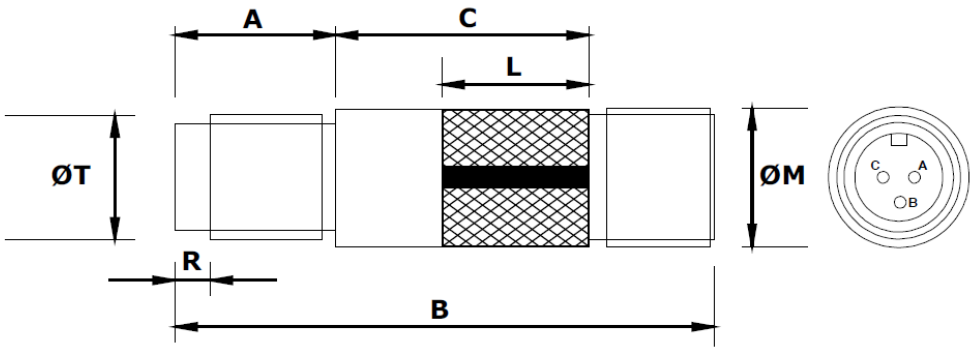
Gear Tooth GMR Sensor
Internal Bias Magnet
For Detection of Ferrous Targets
Low Magnetism for Reduced Drag
Pulse to Supply

GMR Sensor
MR3418VX



Mechanical specification

dimensions in mm unless otherwise stated

Dimension		*Part Number*
A	18	
B	60	
C	28	
L	16 medium diamond knurl with alignment groove	
ØM	$^{5}/_{8}$" x 24 tpi UNEF-2A (connector thread)	
R	4 reduced to root diameter	
ØT	M14 x 1.5 6g	**MR3418VX-M**
Main body material	Stainless Steel	
End face	PA 6/66	
Locknut	Not supplied	

Electrical specification

Supply Voltage (V_S)	5V DC — 30V DC
Protection	Reverse polarity, overvoltage and momentary transient surge, short circuit (output to ground)
Supply Current	2.5mA + output current
High Output Voltage (O/C)	V_S - 0.1V typical, V_S - 0.2V min.
Low Output Voltage (O/C)	0.2V typical, 0.65V max.
High Output Voltage (Iout =10mA/20mA)	V_S - 0.6V min. / V_S - 1.0V min.
Low Output Voltage (Iout =10mA/20mA)	0.8V max. / 1.0V max.
Output Current Limit (sink or source)	60mA
Operating Temperature Range	-40°C to +120°C
Operating Frequency Range	1Hz* – 10kHz
Operating Air Gap (AG)	0 – 3.5mm*
Alignment	The groove should be approximately aligned with the direction of rotation of the target as it passes the face of the sensor.
Termination	MS screw 10SL-3P (3-pin integral plug)
Mating Connector	MS screw 10SL-3S (3-pin line socket, not supplied)
Connections	Pin A = V_S Pin B = 0V Pin C = Output

*Note: Dependent on target

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