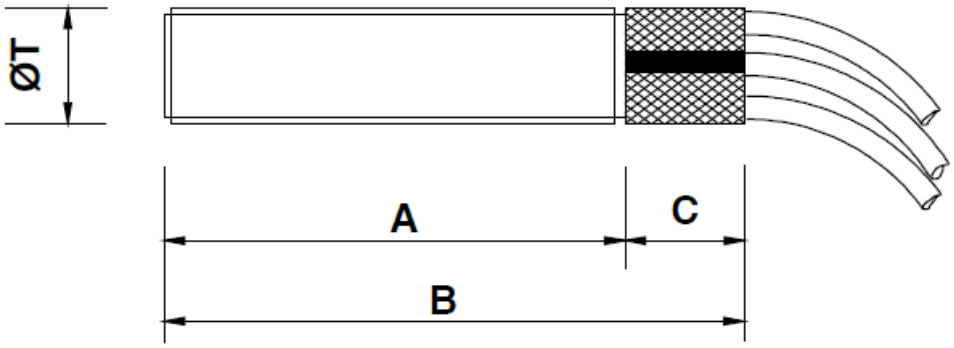
Zero Velocity
Internal Bias Magnet
For Detection of Ferrous Targets

Hall Effect Sensor
HES0X140KNSV



Mechanical specification

dimensions in mm unless otherwise stated

Dimension		*Part Number*
A	40	
B	50	
C	10 medium diamond knurl with alignment groove	
ØT	3/8" x 24 tpi UNF-2A (body thread)	**HES0X140KNSV-I**
or	M10 x 1.0 6g	**HES0X140KNSV-M**
Main body material	Stainless Steel	
End face	Stainless steel – sealed solid end suitable for permanent liquid immersion	
Locknut	1 off supplied as standard	

Electrical specification

Power supply (V_s)	5V DC — 30V DC
Protection	Reverse polarity, short circuit (output to ground)
Supply Current	12.5mA @ Vs = 12V 20mA @ Vs = 24V
High Output Voltage (O/C)	Vs - 1V (24V max)
Low Output Voltage (O/C)	0.4V max
Output Current	25mA Sink, 5mA Source @ Vs = 12V 20mA Sink, 10mA Source @ Vs = 24V
Operating Temperature Range	-40°C to +125°C
Operating Frequency	0Hz – 10kHz
Operating Air Gap (AG)	0–2.0mm
Output Polarity	The groove must be aligned with the direction of rotation of the tooth as it passes the face of the sensor. The polarity may be reversed by rotating the sensor through 180°.
Termination	FlexLite flying leads x 100mm long, sleeved and fitted with 3-way Deutsch DT06-3S-EP06
Connections	Pin A = V_s Pin B = 0V Pin C = Output

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