



Mechanical specification

dimensions in mm unless otherwise stated

Dimension	Part Number	
A	60	
B	87 nominal	
C	10 medium diamond knurl	
ØM	5/8" x 24 tpi UNEF-2A (connector thread)	
ØT	5/8" x 18 tpi UNF-2A	HES3660S-I
or	M16 x 1.5 6g	HES3660S-M
Main body material	Stainless Steel	
End face	Stainless steel – sealed solid end suitable for permanent liquid immersion [see note 1]	
Locknut	1 off supplied as standard	

Electrical specification

Power supply	+5V DC minimum to +30V DC maximum (ideal for 12V or 24V automotive applications)
Protection	Reverse polarity, overvoltage and momentary transient surge, and short circuit (output to ground)
Operating temperature range	-20°C to +125°C
Target magnet	North pole to sensor
Target distance	1mm to 7mm depending on magnets used
Operating magnetic force	≤180G
Magnetic release force	≤75G
Differential magnetic force	25G minimum
Output signal	Open collector with 4K7 pull-up
Output low voltage level	0.4V maximum
Output sinking current	50mA maximum
Operating frequency range	0 to 20kHz
Termination	MS screw 10SL-3P (3-way integral plug)
Connections	A = Vout B = Vs C = 0V / Ground
Mating connector	MS screw 10SL-3S (3-way line socket, not supplied) [see note 2]

Notes:

1. This sensor carries our “grade 2 immersible” rating – the sensor end is sealed for applications requiring permanent immersion of the sensing tip only.
2. Mating line connectors (straight or 90°, complete with cable bush & clamp) are available to order separately.

MADE IN THE UK

Reliability, Guaranteed



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