

Configuration:	ARC					
Sensing Range:	22° (Can be re-programmed for an alternative range if required					
Air Gap:	2.5mm					
Supply Voltage:	6VDC to 31VDC					
Resolution:	12 bit					
Update Rate:	5kHz					
Output:	Configurable 0.25 – 4.75VI	DC analogue				
Supply Current:	nom 25mA per channel @	12VDC				
Reverse Polarity:	Connector optional / cab	le length 1m				
Sensitivity:	Min. 225mV/Degree					
Termination:	Bulkhead connector MCB	H-12-MP (or MCBH-12-FS)				
Sensor Dimensions:	Approx. 90mm x 41mm x 4	17mm (see drawing view)				
Housing Material:	Aluminium Alloy 6082-T6					
Finish:	Hard Annodise 50µ					
Mounting:	3 x M5 (see drawing)					
Linearity:	+/- 0.4% full scale output					
Operating Temperature:	-40°C to 125°C					
Storage Temperature:	-40°C to 125°C					
Vibration:	10G from 10Hz to 2,000Hz					
Shock:	50 G half sine wave with 1	1 ms duration				
Sealing:	IP69					
Part Number:	HU-050-02					
Target magnet assembly:	HU-051-01					
Calibration set up:	refer to drawing HU-055-0					
1	2	3				



90.75

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DRAWN CHK'D APPV'D	J. OSBORNE N MEECH		17/02/2020 01.05.20	THIRD ANGI F		hydroplane arc sensor			
MFG									
Q.A			MATERIAL:		DWG NO.				
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