Series SUBXWD absolute parallel 1000m submersible solid shaft encoder

(Hard Anodized Aluminum version of the SUB***S***WD (72mm Ø) shown

For cable output, specify the length of cable to be attached to the mating connector side on a separate line on the PO

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Encoder Size	Shaft Size	Output	Connection	Exit	Resolution
S = 72mm Ø	K1 = 12 x 25	23 = Binary	M = MacArtney 16 pin MCBH8MSS Connector	R = Radial Aluminum	1024 = 10 bit
L = 90mm Ø	K5 = 12 x 20	26 = Gray	Connector Data Sheet	A = Axial Aluminum	4096 = 12 bit
		29 = Binary	Cable Data Sheet	T = Radial Stainless Steel	
		32 = Gray		C = Axial Stainless Steel	

Technical Data

Operating temp:	- 20 ...+ 60 degrees C
	- 4 ...+ 140 degrees F
Input Voltage:	24 V
Weight:	1 Kg to 6Kg
Protection:	IP 68M
Housing:	Aluminum or St. Steel
Shaft:	Stainless Steel
Bearings:	2 x 6807 ZZ
Torque:	0.8 oz/in (6 N-cm)
Shaft load:	Supports its own weight
Humidity:	Up to 98% permissible
Speed:	600 RPM
Output:	4...20mA absolute

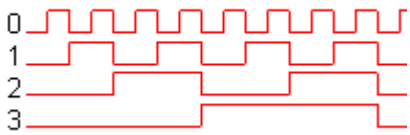
Connection Options

	MacArtney 14 pin
PS GND	1
PS 24 V	2
2-0	3
2-1	4
2-2	5
2-3	6
2-4	7
2-5	8
2-6	9
2-7	10
2-8	11
2-9	12
2-10	13
2-11	14

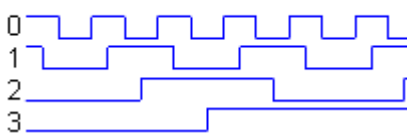
Output

Diagram is shown with clockwise shaft rotation viewed from shaft end

Binary Code Output



Gray Code Output

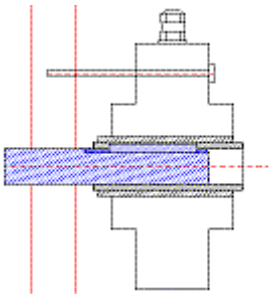


Certifications

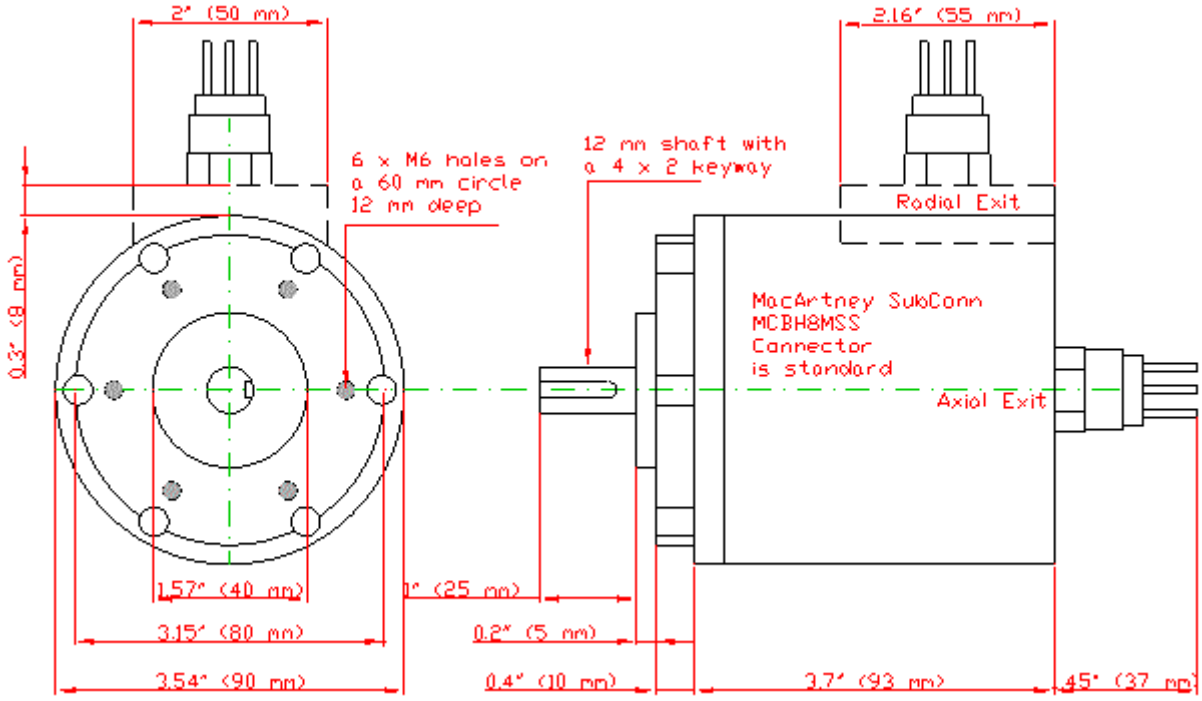
IP 68M to 1000m testing

Mounting Instructions

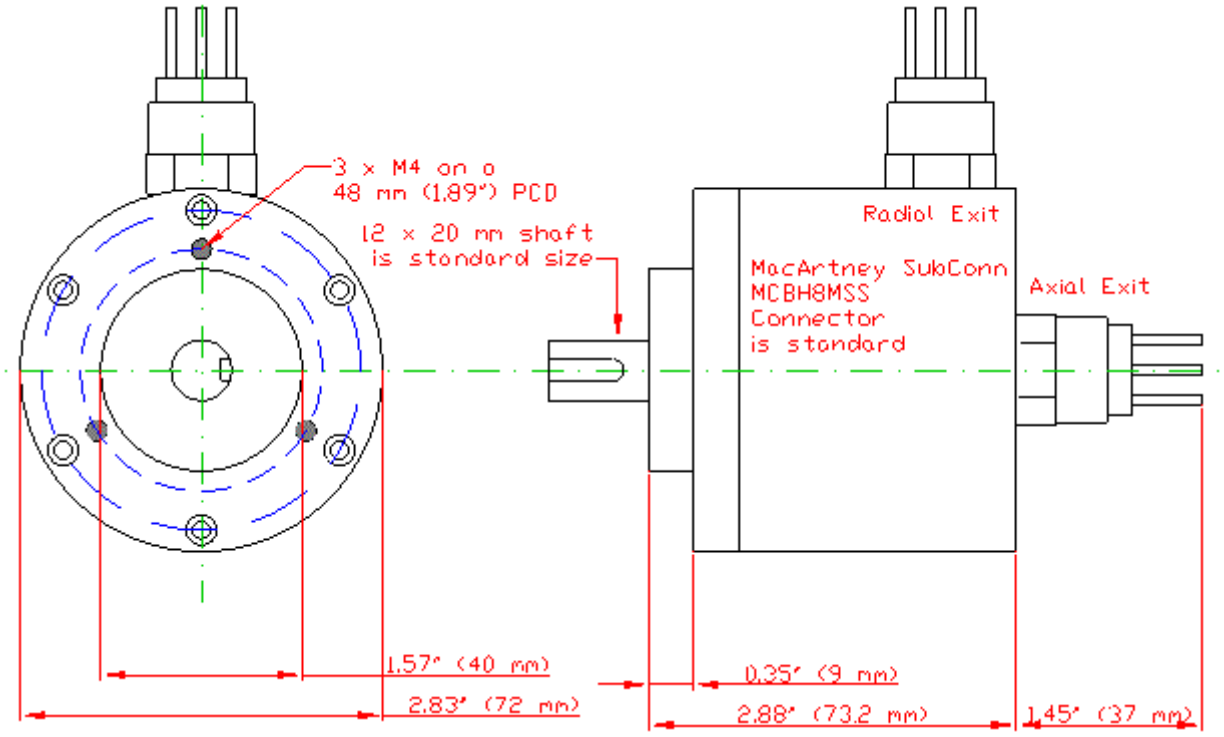
Clamp encoder to shaft and use torque arm to prevent rotation. Hook up the encoder with the connection as described. Make sure power supply meets specifications



Dimensions of the 90 mm diameter version (Large)



Dimensions of the 72 mm diameter version (Small)



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