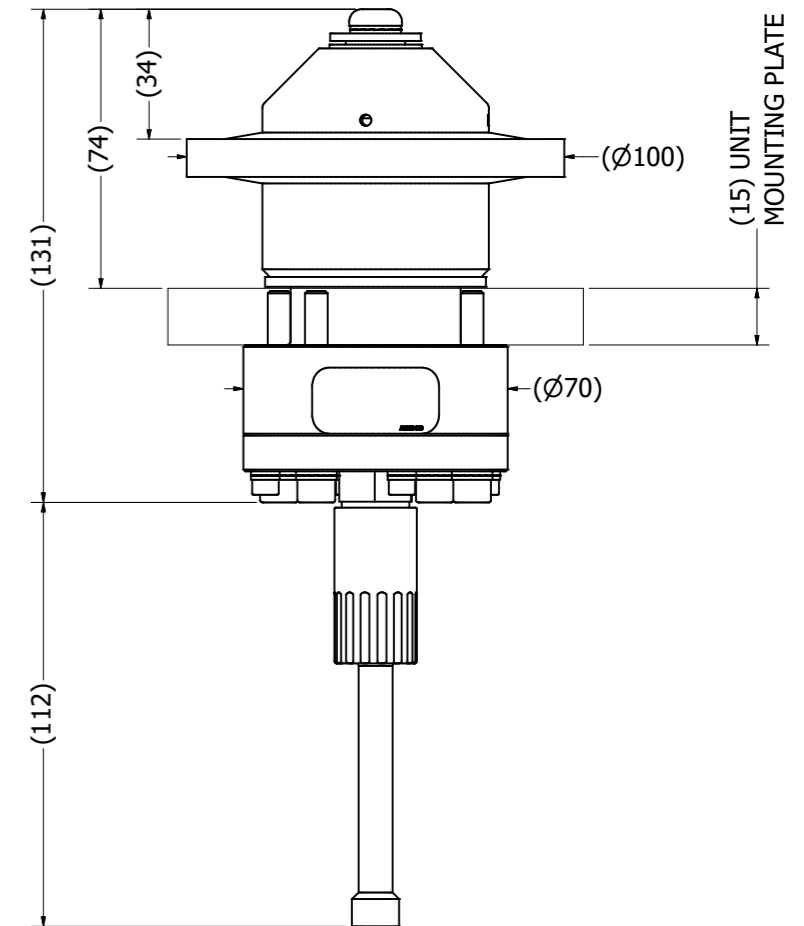
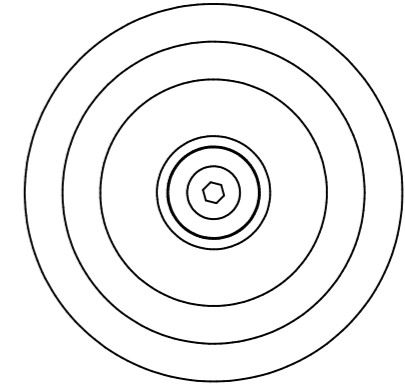
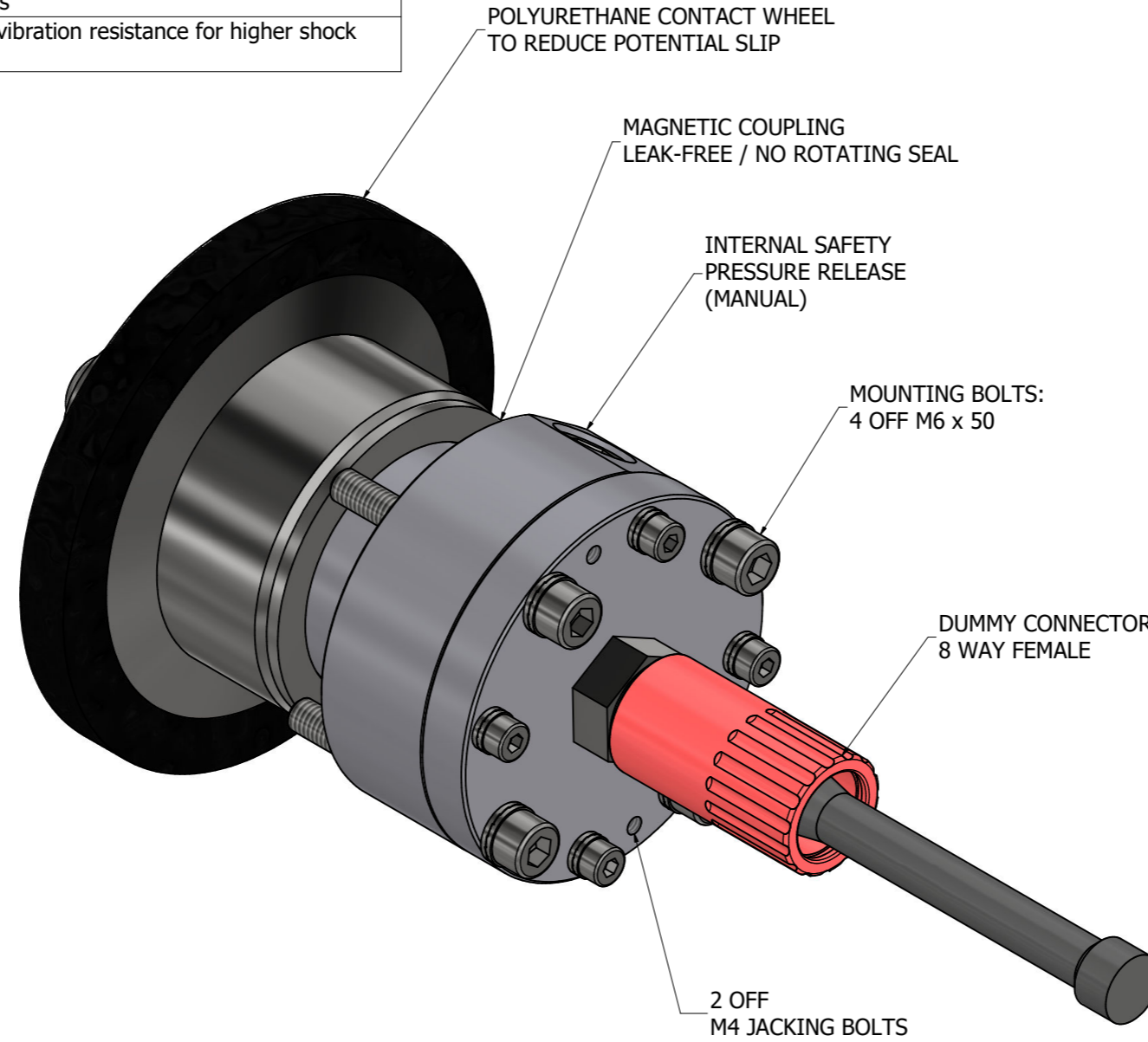


Specification Table

Environment	Marine - Subsea
Maximum Operational Depth	3000 m
Mass In Air	3.5 kg
Mass In Seawater	2.6 kg
Materials	Housing and Bolts - SS Wheel - Polyurethane Running Surface 75 Shore A
Encoder Output	1024 PPR 314mm linear travel / revolution
Sealing	Magnetic coupling between wheel and sensor eliminating a rotating seal. Connector Face - Dual O-Ring Seals
Vibration environment	Nordlok washers used to increase vibration resistance for higher shock environments

Electrical Connection

SUBCON MCBH8MSS	CONNECTION
PIN 1 - BLACK	24 VDC - BROWN
PIN 2 - WHITE	0 VDC - WHITE
PIN 3 - RED	CHA - GREEN
PIN 4 - GREEN	CHB - YELLOW
PIN 5 - ORANGE	CHN - PINK
PIN 6 - BLUE	SPARE/ NC
PIN 7 - WHITE/BLACK	SPARE/ NC
PIN 8 - RED/BLACK	GRD



ISSUE	DATE	DESCRIPTION OF CHANGE	DRAWN BY	CHECKED BY	DME Systems Ltd		TITLE	ISSUE						
1	17/04/23	AS BUILT UPDATES	JML	DC	DRG NO A2121-GA		ASSEMBLY ENCODER	2						
2	22/12/2023	UPDATED NOTES - MAGNETIC COUPLING	RJP	MvZ										
TOLERANCES UNLESS OTHERWISE STATED		DIMENSIONS (mm)	UP TO 100	100 TO 300	300 TO 1000	OVER 1000	MATERIAL SEE NOTES	EST. MASS N/A	SCALE 1.86	DRAWN BY RBG	CHECKED BY MvZ	DATE 16/03/2023	SHEET NO 1 OF 3	SHEET A1
		FABRICATION	± 1.0	± 1.5	± 2.0	± 3	THIS DRAWING IS THE PROPERTY OF DM ENGINEERING SYSTEMS LTD. AND IS ISSUED ON CONDITION THAT IT IS NOT COPIED, USED, NOR DISCLOSED TO A THIRD PARTY FOR ANY PURPOSE WITHOUT CONSENT IN WRITING OF DM ENGINEERING SYSTEMS LTD.							
		MACHINED PART	± 0.15	± 0.4	± 0.8	± 1.0	ALL DIMENSIONS IN MILLIMETRES							