

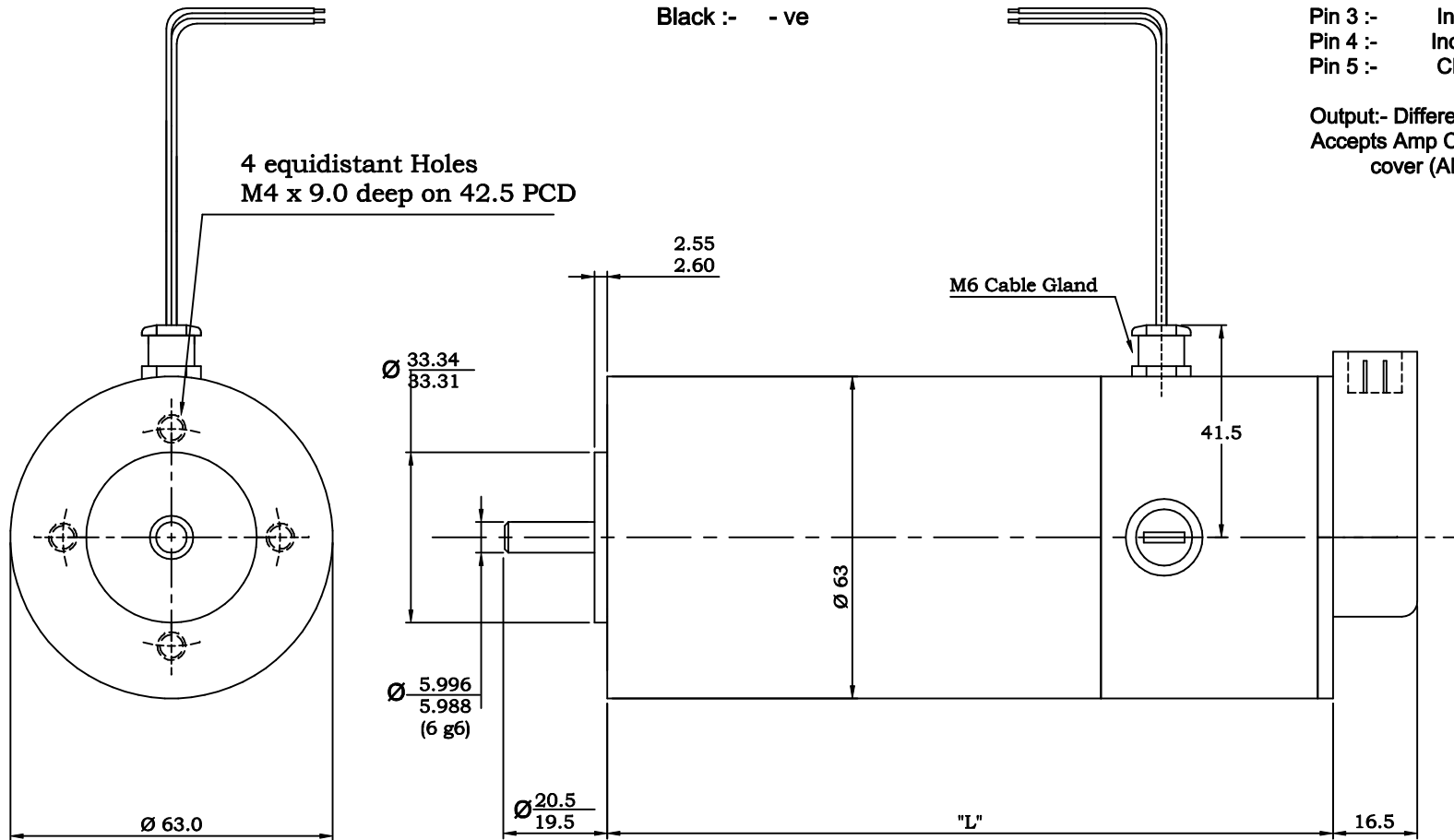
**POWER LEAD CONFIGURATION**

Red :- + ve  
 Black :- - ve

**ENCODER PINOUT**

Pin 1 :-	Ground	Pin 6 :-	Ch A+
Pin 2 :-	Ground	Pin 7 :-	+5 V DC
Pin 3 :-	Index -	Pin 8 :-	+5 V DC
Pin 4 :-	Index +	Pin 9 :-	Ch B-
Pin 5 :-	Ch A-	Pin 10:-	Ch. B+

Output:- Differential Line Driver (26C31)  
 Accepts Amp Connector Shell (AMP# 102537-3) with back cover (AMP# 102536-3) & pins (AMP# 102694-3) x10



Motor Model Number	Length "L"
C4-161x-0000N-000	114.5
C4-162x-0000N-000	142.0

**Notes:**

1. Clockwise rotation as viewed from output shaft with positive voltage applied to red lead with respect to black lead.  
 With this rotation, encoder channel B leads encoder channel A by 90° electrical. (512 ppr)

2. All dimensions in mm.

					Tolerances. X.X = ± 0.3 mm X.XX = ± 0.1 mm Ang. Dim. = ± 1°		Scale : NTS		Weight :
							Material :		
							Remove all burrs and sharp corners		
					Date 27/8/08		Name POB		
					App'd				
Issue	ECO. No.	Date	Name	App'd	Norm				
<b>Callan Technology Ltd.</b>							Rare Earth Motor, C4-16X with Differential Modular Encoder		
							C4-16X-0000N-000		Sheet 1 of 1