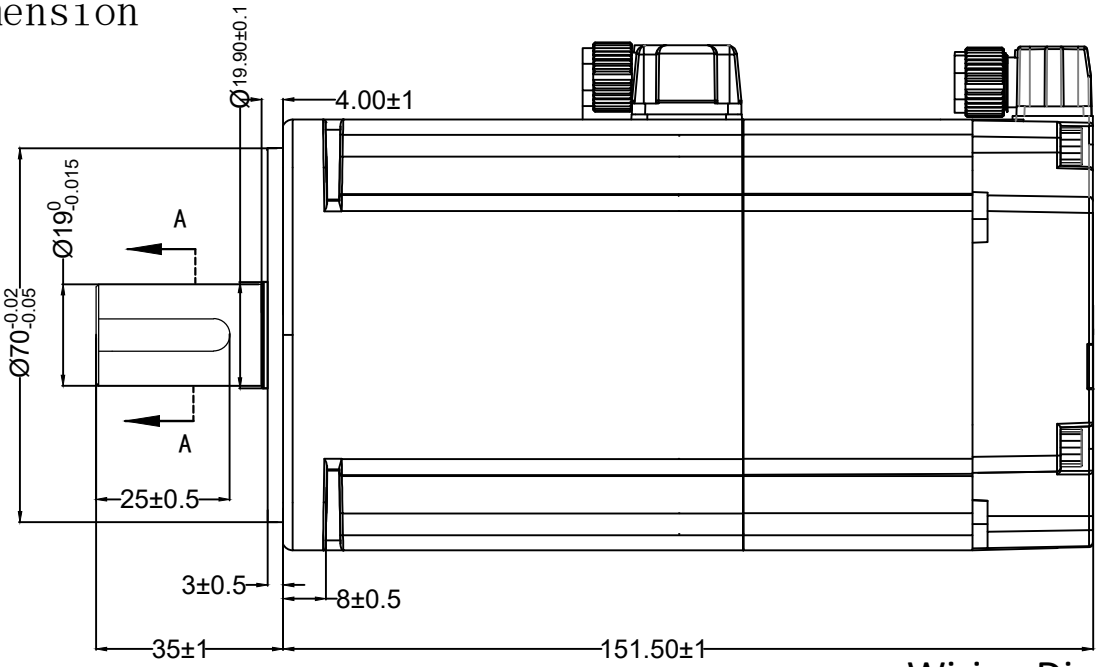
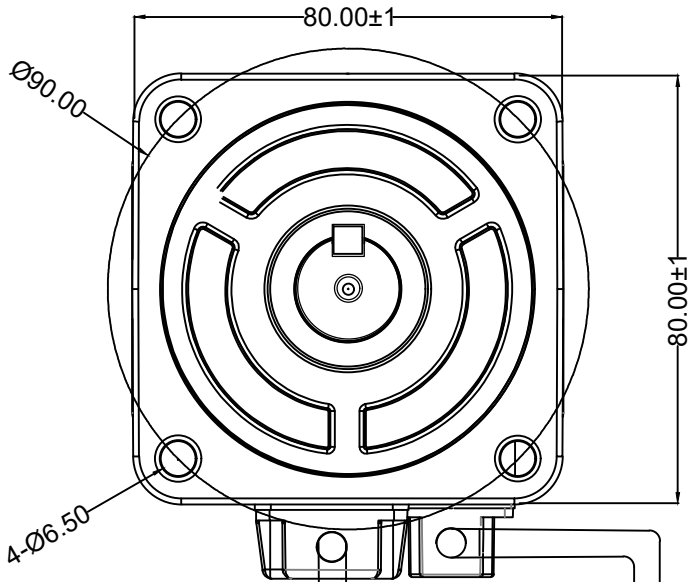
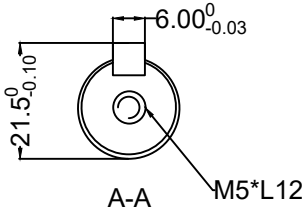
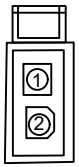
Dimension



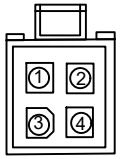




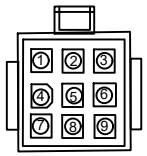
Wiring Diagram



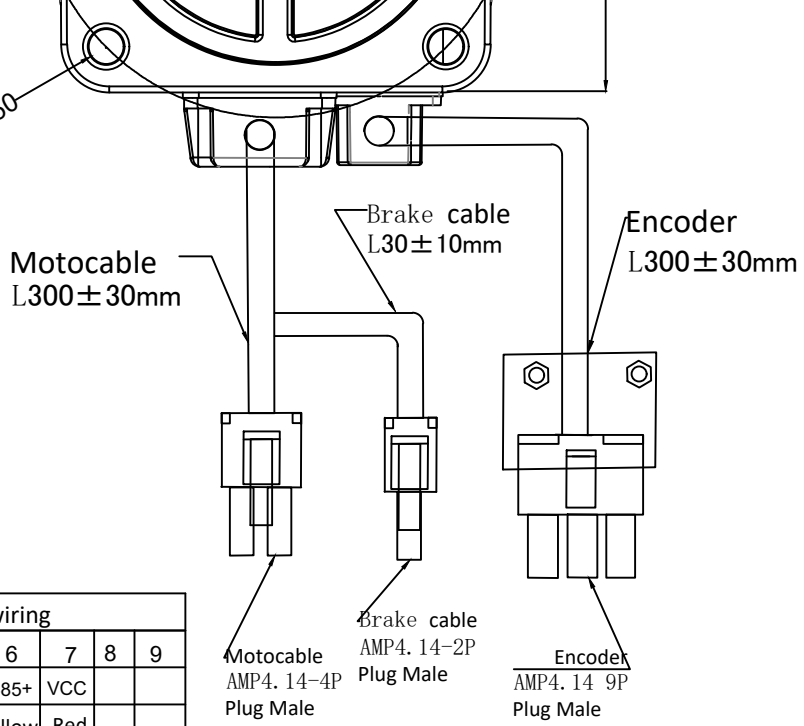
Brake connection	
1	2
24V	0V
Brown	Blue



Motocable connection			
1	2	3	4
U	V	W	PE
Black	White	Red	Yellow/Green



Encoder connection wiring								
1	2	3	4	5	6	7	8	9
PE			485-	GND	485+	VCC		
shielded wire			Green	White	Yellow	Red		



Specification

Rated Voltage	220V	Line-line Resistance	0.86Ω
Rated Power	1000W	Phase Q-axis Inductance	1.9mh
Rated Current	5.5A	Phase D-axis Inductance	1.7mh
Rated RPM	3000rpm	Pole-pairs	5
Rated Torque	3.2N.m	Encoder	17bit
Peak RPM	5000rpm	Rotor Inertia	$2.03X10^{-4}Kg.m^2$
Max Momentary Current	16.5A	Withstand Voltage	1500V 5s
Max Momentary Torque	9.6N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.58	Protection grade	IP65
Counter electromotive force(U)	33(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-20°C-50°C	Weight	3.1kg

标记	处数	更改文件号	签字	日期

设 计	日 期 2025-9-13
审 核	日 期
校 核	日 期
批 准	日 期

HR3-PR5R5S2 CM

80BSF-S10030-S009Z-Z0.3(CRS)

图样标记	重量	比例
版本号		第 张 共 张