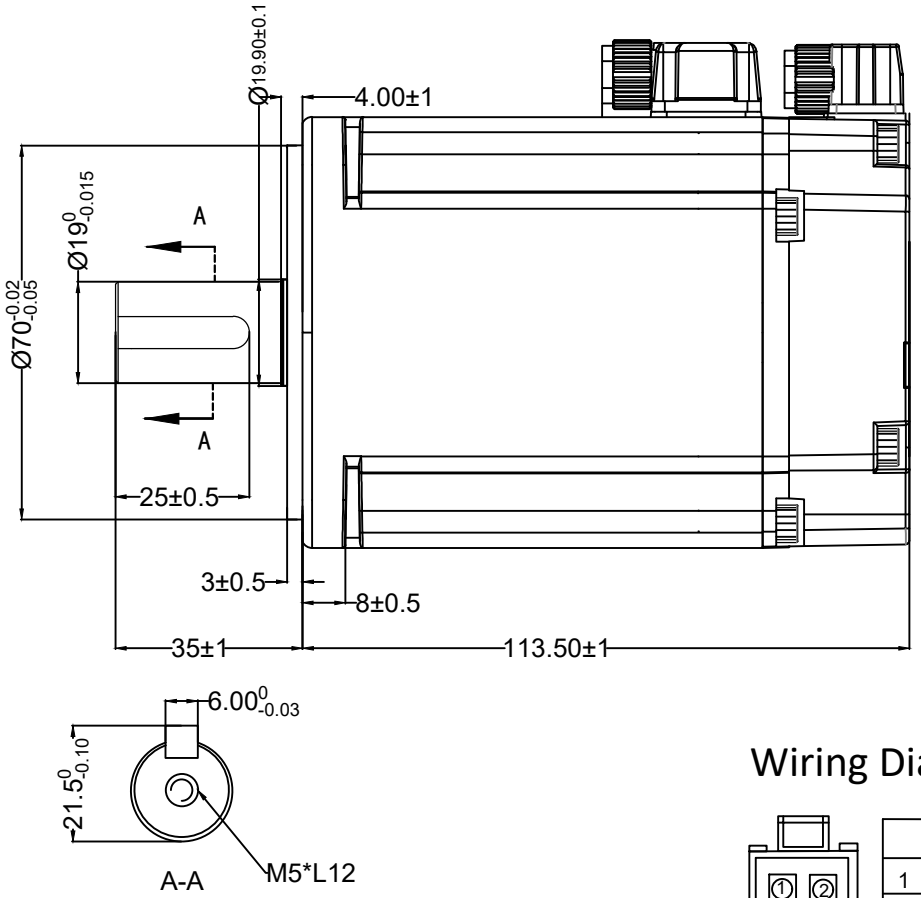
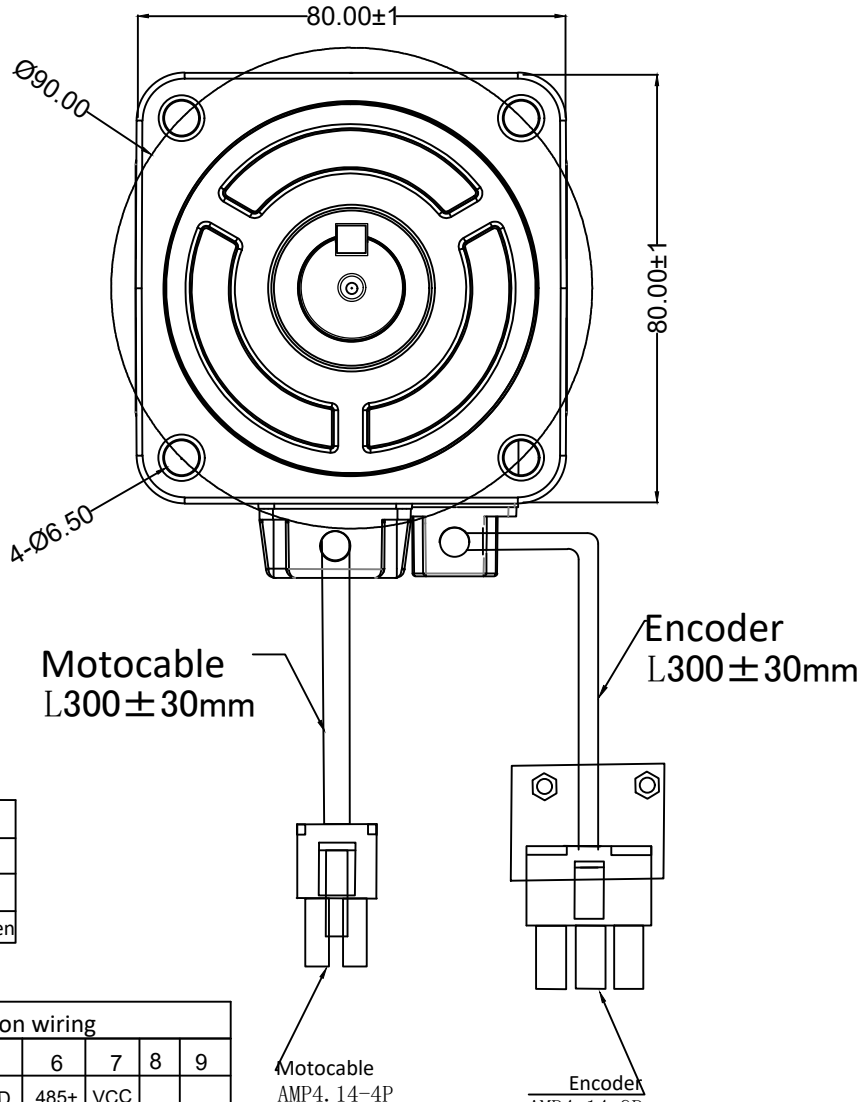
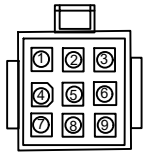
Dimension





Wiring Diagram

Motocable connection			
1	2	3	4
U	V	W	PE
Red	Yellow	Blue	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	2.54kg

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-S10030-038Z-Z0.3(CRS)

图样标记		重量	比例
版本号		第 张 共 张	