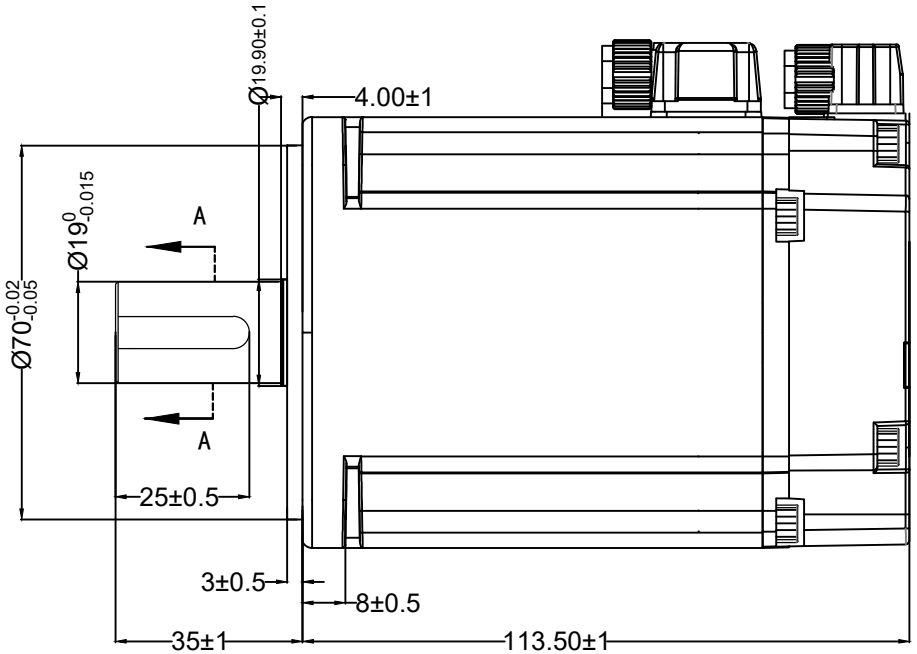
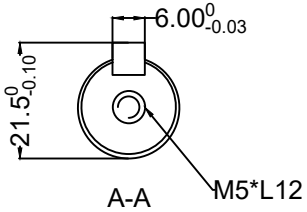
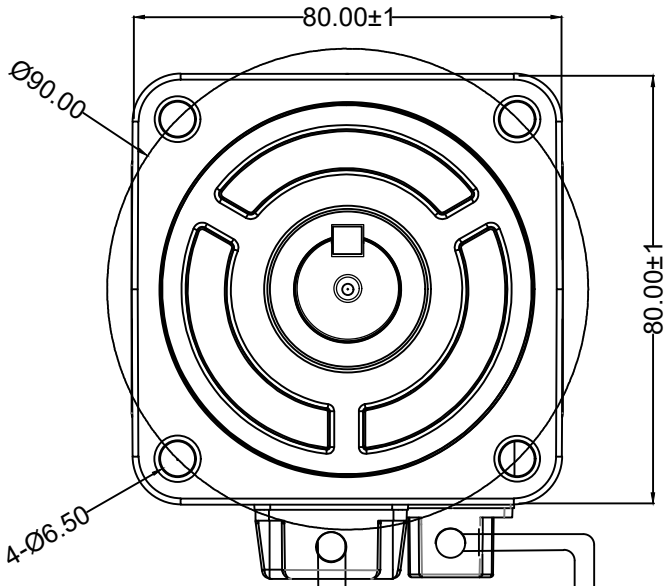
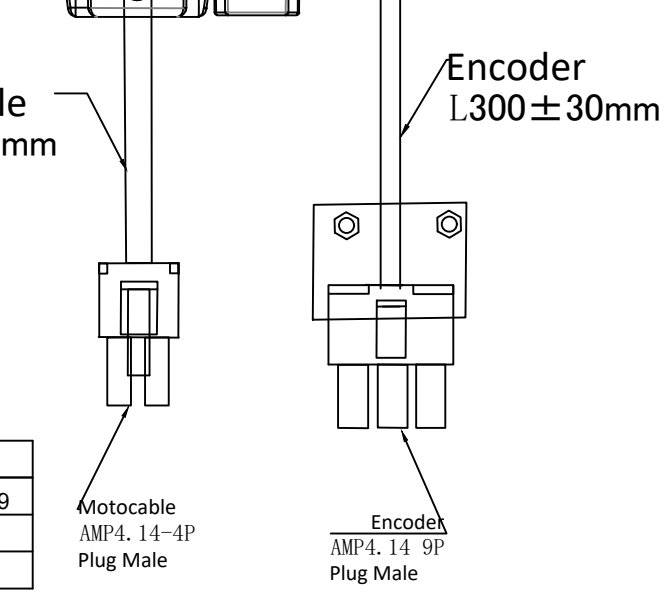
Dimension

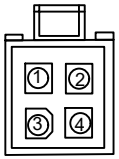




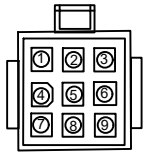




Wiring Diagram



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	1.7Ω
Rated Power	1000W	Phase Q-axis Inductance	3.7mh
Rated Current	5A	Phase D-axis Inductance	3.2mh
Rated RPM	2500rpm	Pole-pairs	5
Rated Torque	4N.m	Encoder	17bit
Peak RPM	3500rpm	Rotor Inertia	$2.03X10^{-4}Kg.m^2$
Max Momentary Current	15A	Withstand Voltage	1500V 5s
Max Momentary Torque	12N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.8	Protection grade	IP65
Counter electromotive force(U)	47(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-S10025-039Z-Z0.3(CRS)

图样标记		重量	比例
版本号		第 张 共 张	