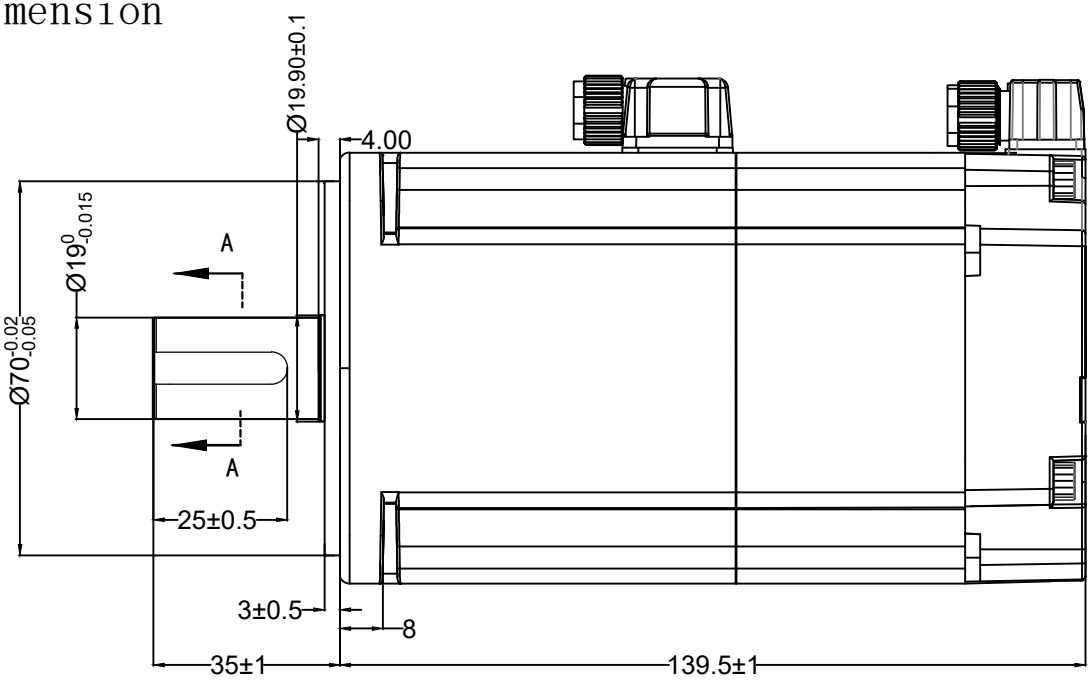
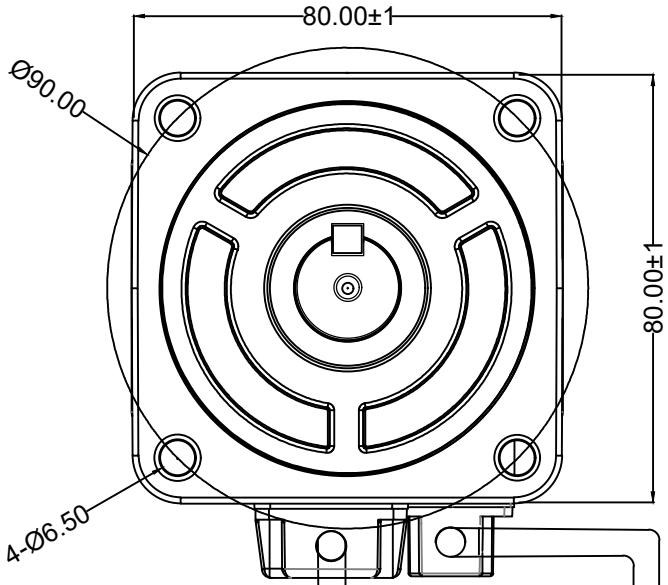
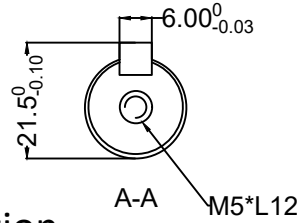
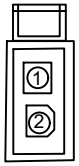
Dimension



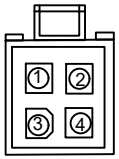




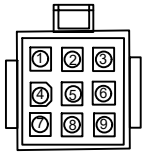
Wiring Diagram



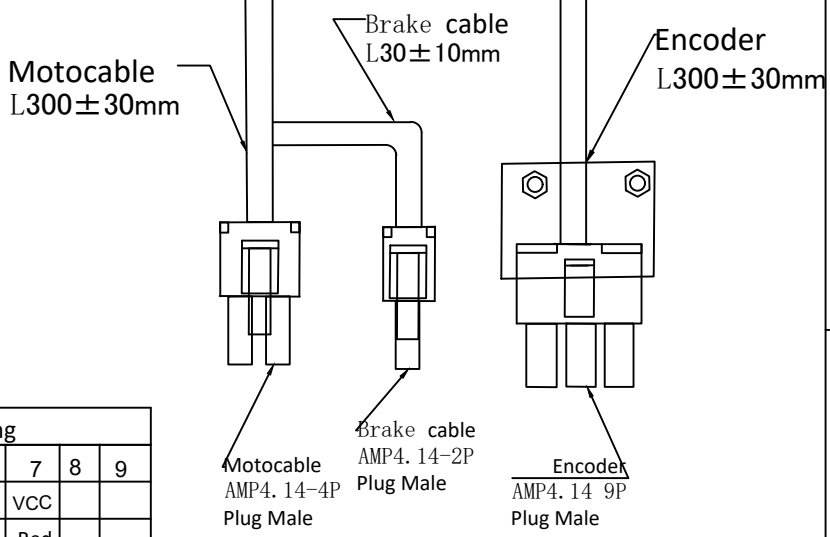
Brake connection	
1	2
24V	0V
Brown	Blue



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	1.5Ω
Rated Power	750W	Phase Q-axis Inductance	2.5mh
Rated Current	4.4A	Phase D-axis Inductance	2.3mh
Rated RPM	3000rpm	Pole-pairs	5
Rated Torque	2.39N.m	Encoder	17bit
Peak RPM	5000rpm	Rotor Inertia	$1.56X10^{-4}Kg.m^2$
Max Momentary Current	13.2A	Withstand Voltage	1500V 5s
Max Momentary Torque	7.17N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.63	Protection grade	IP65
Counter electromotive force(U)	34(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-20°C-50°C	Weight	2.8kg

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-S07530-S014Z-Z0.3(CRS)

图 样 标 记		重 量	比 例
版本号		第 张 共 张	