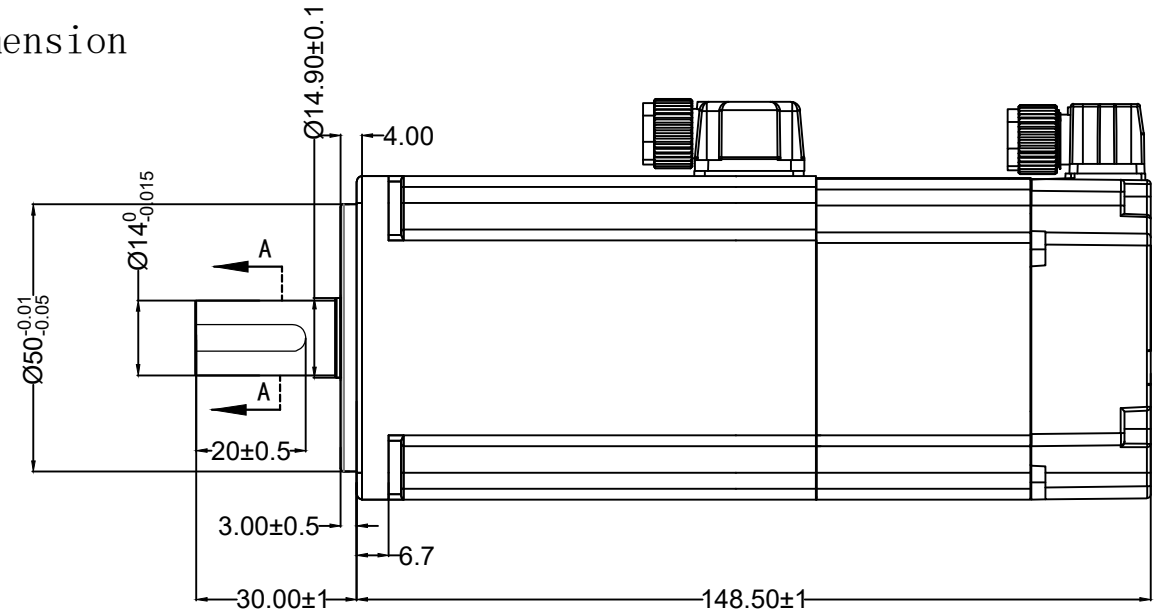
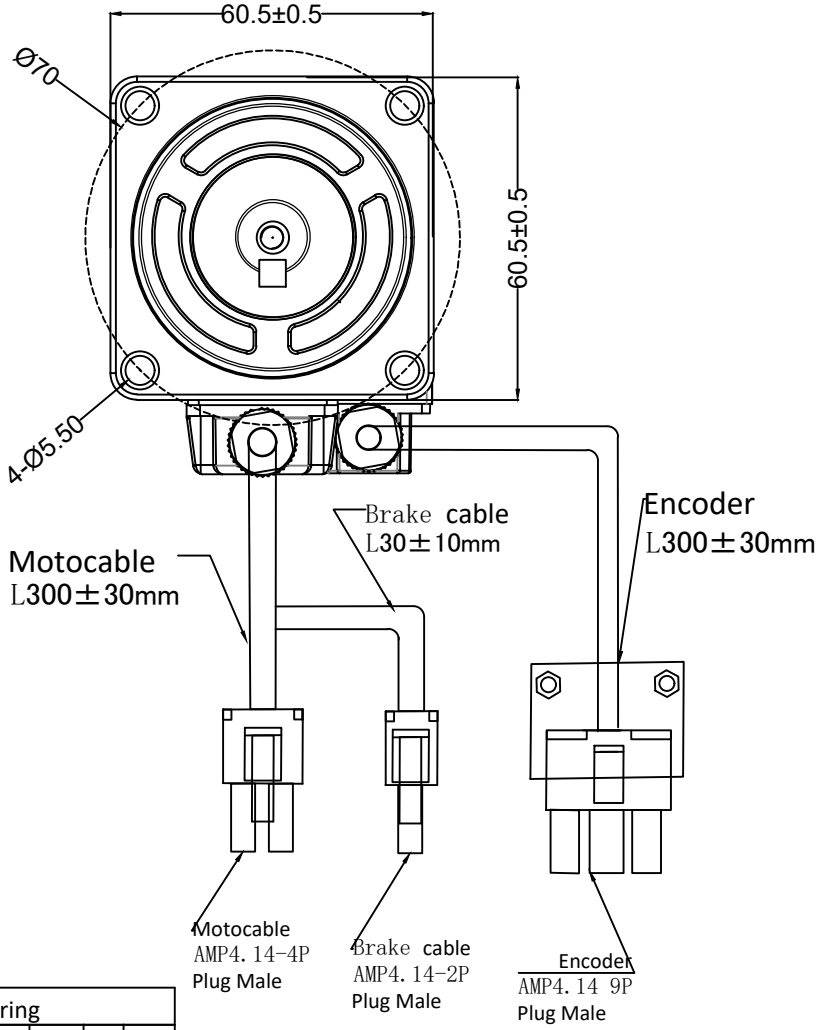
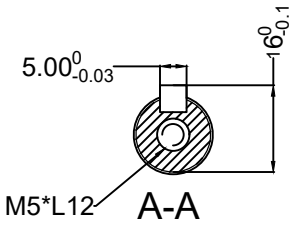
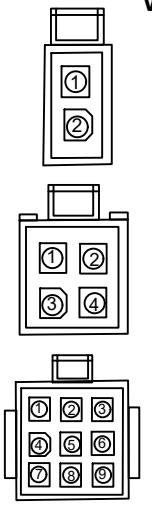
Dimension







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	2.75Ω
Rated Power	600W	Phase Q-axis Inductance	2.2mh
Rated Current	3.5A	Phase D-axis Inductance	2.1mh
Rated RPM	3000rpm	Pole-pairs	5
Rated Torque	1.91N.m	Encoder	17bit
Peak RPM	5000rpm	Rotor Inertia	$0.76X10^{-4}Kg.m^2$
Max Momentary Current	10.5A	Withstand Voltage	1500V 5s
Max Momentary Torque	5.73N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.54	Protection grade	IP65
Counter electromotive force(U)	33(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-20°C-50°C	Weight	1.84kg

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

60BSF-S06030-S008Z-Z0.3(CRS)

图 样 标 记		重 量	比 例
版本号		第 张 共 张	