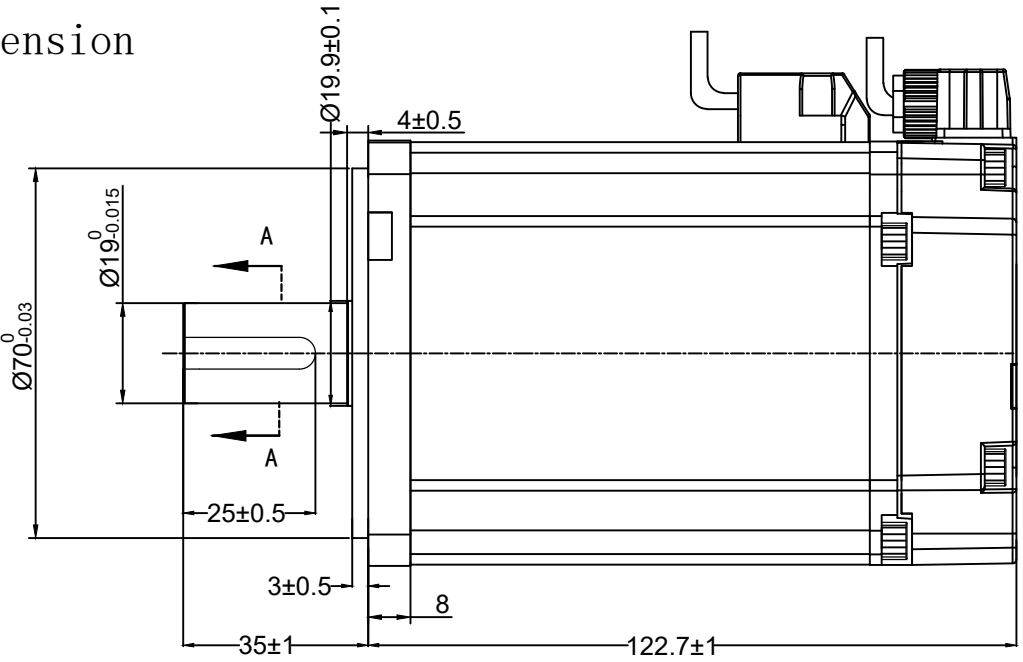
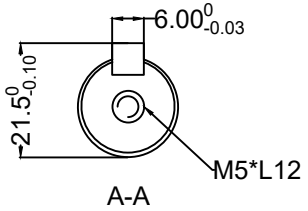
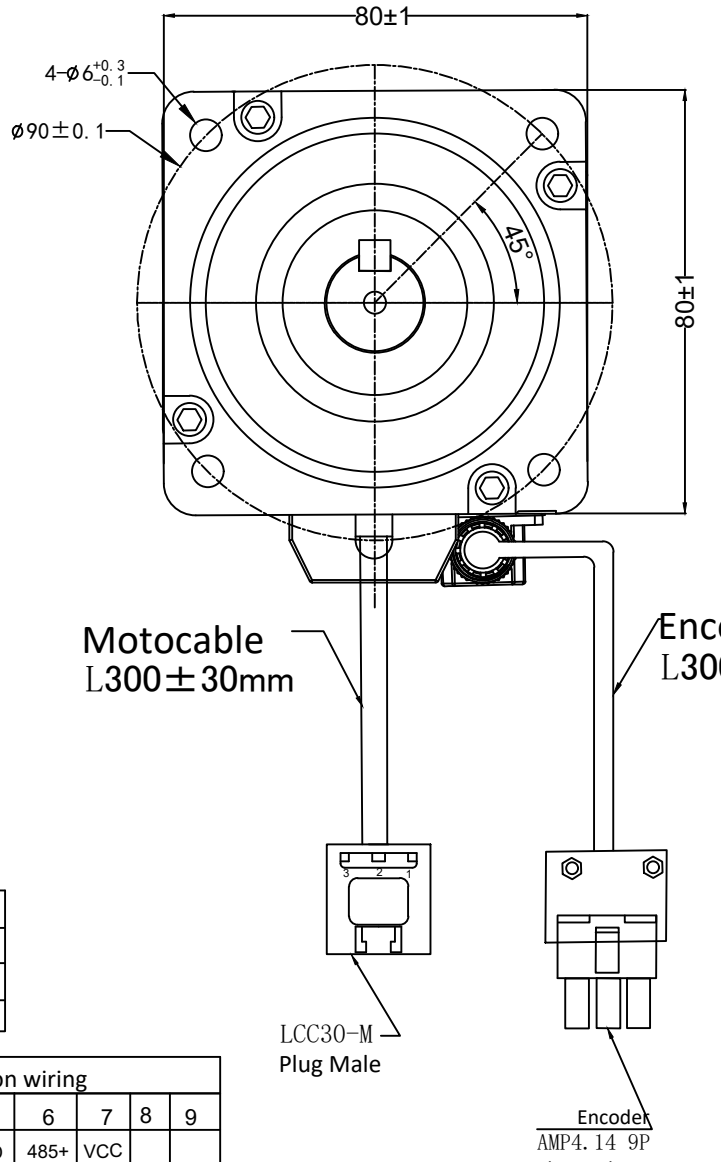
Dimension







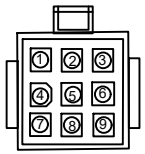
Specification

Rated Voltage	48VDC	Line-line Resistance	0.15Ω
Rated Power	1000W	Phase Q-axis Inductance	0.18mh
Rated Current	25A	Phase D-axis Inductance	0.14mh
Rated RPM	3000rpm	Pole-pairs	5
Rated Torque	3.2N.m	Encoder	17bit
Peak RPM	3200rpm	Rotor Inertia	$2.03X10^{-4}Kg.m^2$
Max Momentary Current	75A	Withstand Voltage	1500V 5s
Max Momentary Torque	9.6N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.13	Protection grade	IP65
Counter electromotive force(U)	8.7(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-20°C-50°C	Weight	2.8kg

Wiring Diagram

LCC30-M
Plug Male

Motocable connection		
1	2	3
U	V	W
Red	Yellow	Blue



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

	※		
版本号	标记	更改内容	日期
设 计		日 期	2026-8-5
审 核		日 期	
校 核		日 期	
批 准		日 期	

RT DV1000

80BLSF-H10030-B014-Z0.3(RYS)