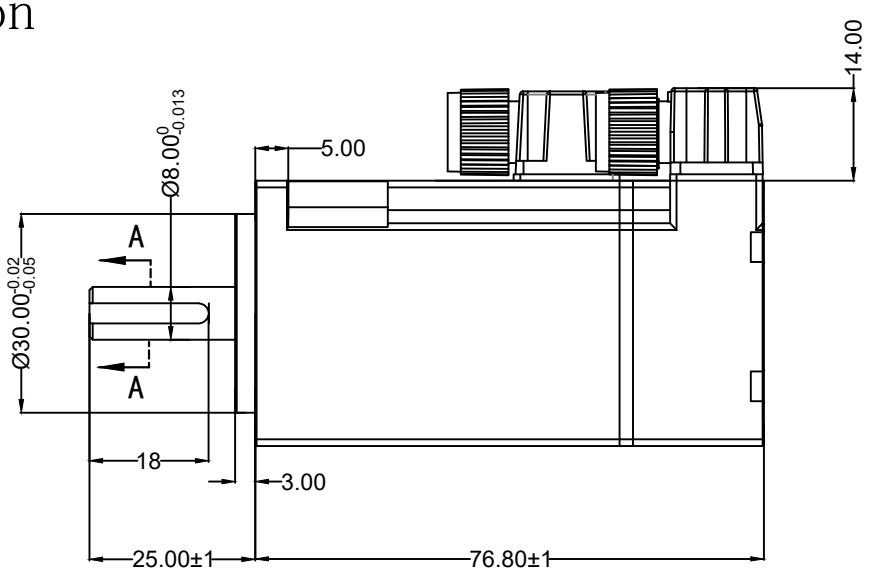
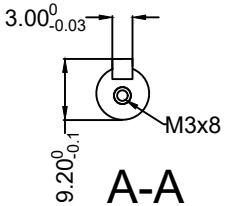
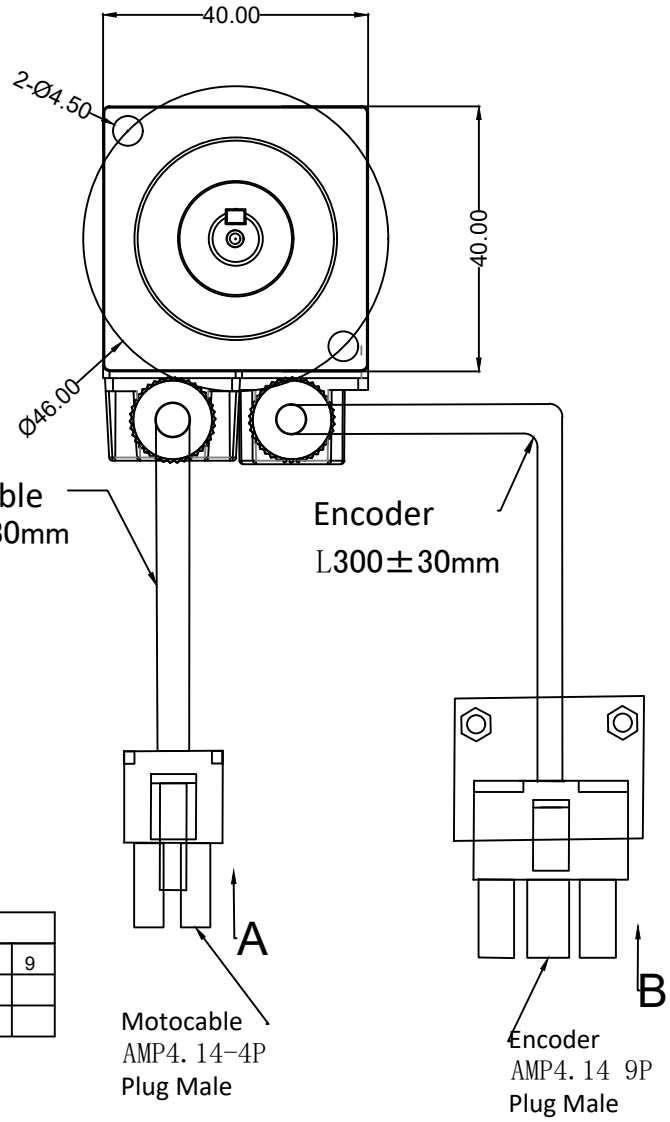
Dimension





A-A

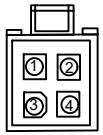


Specification

Rated Voltage	24VDC	Line-line Resistance	0.65Ω
Rated Power	100W	Phase Inductance	0.2mh
Rated Current	5.5A	Electrical time constant	0.3MS
Rated RPM	3000rpm	Pole-pairs	5
Rated Torque	0.32N.m	Encoder	17bit
Peak RPM	3500rpm	Rotor Inertia	$0.04X10^{-4}Kg.m^2$
Max Momentary Current	16.5A	Withstand Voltage	1500V 5s
Max Momentary Torque	0.96N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.06	Protection grade	IP65
Counter electromotive force(U)	3.9(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-20°C-50°C	Weight	0.43kg

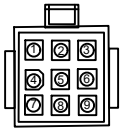
Wiring Diagram

A



Motocable connection			
1	2	3	4
U	V	W	PE
Black	white	Red	Yellow/Green

B



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	RT DV400
设 计		日 期	2026-8-4	40BLSF-M01030-A012Z-Z0.3(RYS)
审 核		日 期		
校 核		日 期		
批 准		日 期		