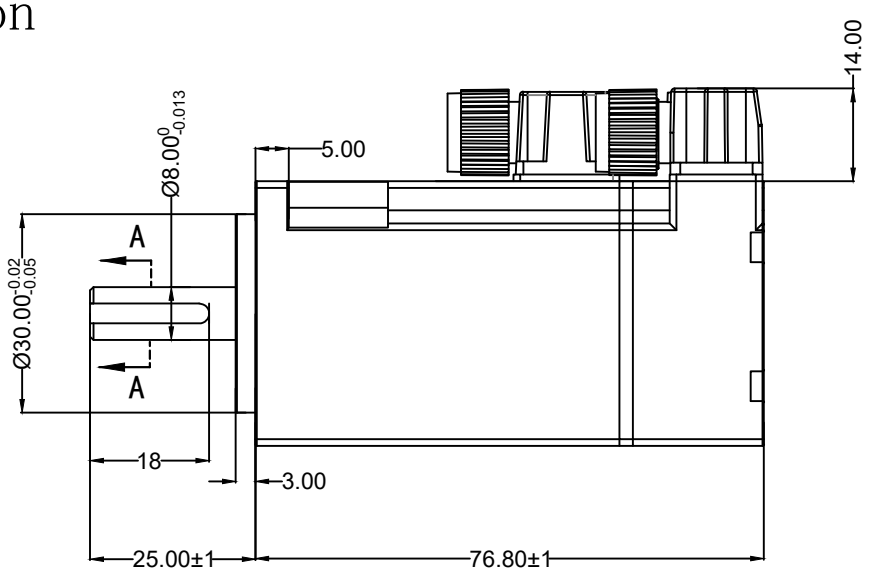
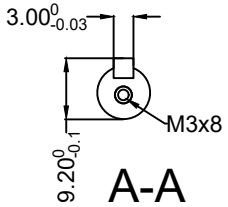
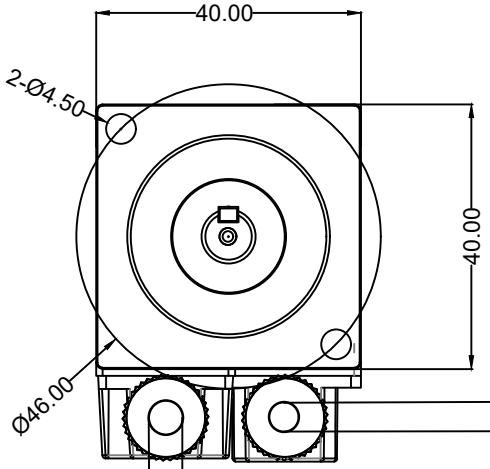
Dimension



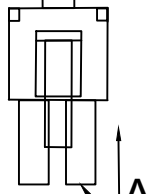


A-A

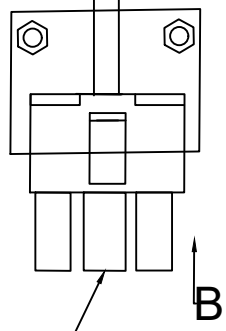


Motocable
L300±30mm

Encoder
L300±30mm



Motocable
AMP4.14-4P
Plug Male



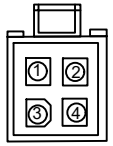
Encoder
AMP4.14 9P
Plug Male

Specification

Rated Voltage	48VDC	Line-line Resistance	1.42Ω
Rated Power	100W	Phase Inductance	0.45mh
Rated Current	3.5A	Electrical time constant	0.4MS
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	10.5A	Withstand Voltage	1500V 5s
Max Momentary Torque	0.96N.m	Insulation Resistance	500V ≥20MΩ
Torque Coefficient	0.05	Protection grade	IP65
Counter electromotive force(U)	5.7(V/1000r/m)	Motor Insulation Class	F
Ambient Temperature	-40°C-85°C	Weight	0.43kg

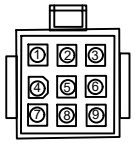
Wiring Diagram

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
	※		

设 计	日 期 2026-8-4
审 核	日 期
校 核	日 期
批 准	日 期

RT DV400

40BLSF-M01030-B026Z-Z0.3(RYS)