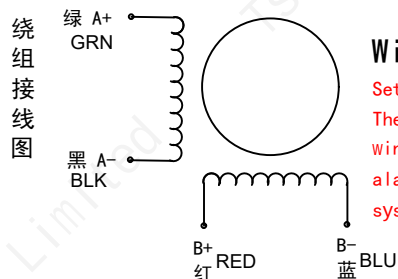
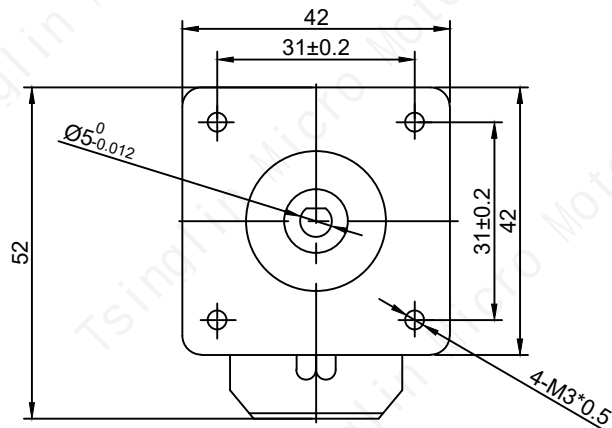


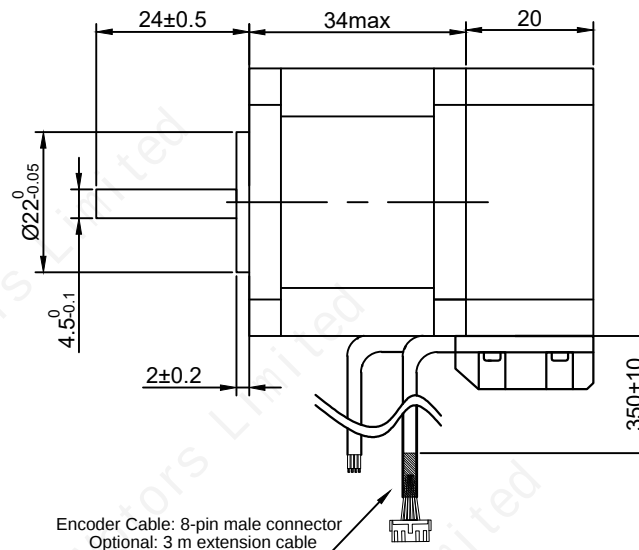
TSL MOTOR



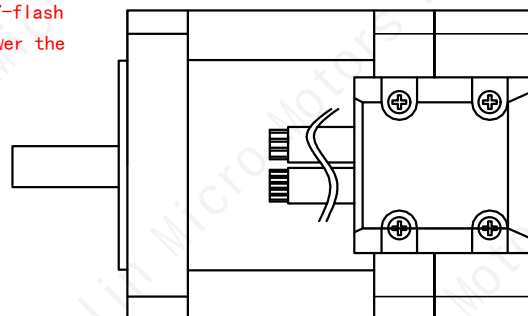
Wiring Notes:

Set the driver SW6 DIP switch to ON.

The encoder phase sequence must match the motor winding sequence. If the driver gives a 7-flash alarm, swap the A+ and A- wires, then power the system on again.

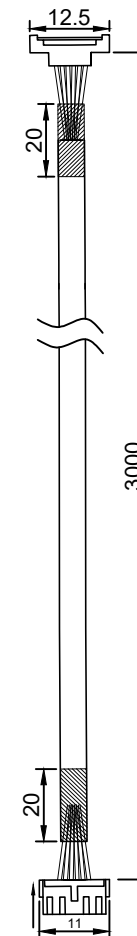


Encoder Cable: 8-pin male connector
Optional: 3 m extension cable



1	红	5V
2	黑	GND
3	蓝	PA+
4	棕	PA-
5	黄	PB+
6	绿	PB-
7	空	—
8	空	—

7	5	3	1
8	6	4	2



外形尺寸Outline Drawing: unit=mm

Electrical Specifications			COMMENT
Number of phase	相数	2	
STEP ANGLE	步距角	1.8° ±5%/STEP	
CURRENT	相电流	1.7 A/PHASE	
RESISTANCE	相电阻	2.2 ±10% Ω /PHASE	
INDUCTANCE	相电感	3.0 ±20% mH /PHASE	
HOLDING TORQUE	静力矩	0.3 N.m	
Insulation resistance	绝缘电阻	100MΩhm (500VDC)	
Insulation class	绝缘等级	B	
Temp rise (Max)	温升	80°C	
Encoder resolution	编码器分辨率	1000线	

序号	数量	名称/代号/材料			
设计	审核	批准	日期	图号	比例
张百灵	孙灵山		2023/6/4	42ES	1:1
Tsinglin Micro Motors Limited			TSL-42STH3417A4ES		
项目	42步闭环电机			版本	V2.0